



Perspective[™]
by PPM

USER'S GUIDE

Perspective by PPM™

Version 4.6

Printed July 2015

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Contents

Welcome to Perspective by PPM 2000	9
Accessing Perspective	10
User Interface.....	12
Main System Components.....	14
User Privileges and Access Rights	16
Account Settings	16
Changing Your Password	16
Dashboard Settings.....	17
Email Settings	17
Shortcut Keys	18
Help Options	23
Contents Tab: Browse Help by topic.....	23
Index Tab: Browse Help by Index	24
Search Tab: Search Help	24
Quick Find Tool.....	25
Custom Search Feature.....	27
Maps	27
Features	28
Incidents	29
Activities	29
Dispatches.....	29
Tooltips.....	30
Exiting Perspective	31
Dashboard	32
User Interface.....	32
Charts.....	33
Assignments.....	35
Data Forms	38
User Interface.....	38
Navigating Data Forms Overview	40
Select a Data Form	41
Manage Record Views	51
Select a Record From the List.....	58

Enter and/or Edit Record Data	59
Incidents.....	62
Create a New Incident Record	62
Identify All Involved Persons	65
Identify All Involved Organizations	70
Document All Involved Vehicles.....	73
Identify All Involved Items	76
Summarize an Incident or a Case.....	77
Attach a File to a Record.....	78
Link the Incident to an Activity.....	80
Link an Incident to Another Incident.....	81
Link an Incident to a Case.....	82
Record Losses Involved in an Incident and View Their Summary.....	83
Record Incident Investigation Data	86
Control a Record's Processing Options	95
Track Changes Made to a Record	101
Cases	103
Create a new Case record	104
Assign an Investigator to a Case's Investigation	105
View All Case's Involvements	107
Summarize a Case or an Incident Linked to a Case.....	108
Attach a File to a Case Record	108
Link an Incident to a Case.....	108
Link a Case to Another Case	109
View a Summary of Losses Involved in a Case.....	110
View and Record Case Investigation Data	112
Control a Case Record's Processing Options.....	113
View a Quick Summary of a Case's Key Data.....	114
Track Changes Made to a Case Record.....	116
Activities	116
Create a New Activity Record	116
Record an Officer's Response to an Activity.....	118
Record an Organization's Response to an Activity.....	120
Note an Action Request for an Activity	122
Identify All Persons Involved in an Activity.....	124
Identify All Organizations Involved in an Activity.....	124
Document All Vehicles Involved in an Activity	124

Identify All Items Involved in an Activity	124
Attach a File to an Activity Record	125
Link an Activity to Another Activity	125
Link an Activity to an Incident.....	126
Control an Activity Record's Processing Options.....	127
Track Changes Made to an Activity Record.....	129
Escalate an Activity Record to an Incident.....	129
Items	130
Create a New Item Record.....	130
Import Record's Settings from the Gateway	131
View Record's Incident Involvements	133
Attach a File to an Item Record.....	134
Control Record's Processing Options	134
Track Changes Made to an Item Record	136
Persons	136
Create a New Person Record	136
Record Contact Information	141
Link a Record to a Person.....	143
Link a Record to an Organization.....	144
Link a Record to a Vehicle	145
View Person's Incident Involvements.....	146
Attach a File to a Person Record	146
Control a Person Record's Processing Options.....	146
Track Changes Made to a Person Record.....	147
Organizations	147
Create a New Organization Record	147
Record an Organization's Contact Information	148
Link an Organization to a Person.....	148
Link an Organization to Another Organization	148
Link an Organization to a Vehicle	148
View Organization's Incident Involvements	148
Attach a File to an Organization Record	149
Control an Organization Record's Processing Options.....	149
Track Changes Made to an Organization Record.....	149
Vehicles.....	149
Create a New Vehicle Record.....	149
Link a Vehicle to a Person	150

Link a Vehicle to an Organization	150
Link a Vehicle to Another Vehicle	150
View Vehicle's Incident Involvements	150
Attach a File to a Vehicle Record	150
Control a Vehicle Record's Processing Options	151
Track Changes Made to a Vehicle Record	151
Merge Records	151
Construct a Visual Link Chart for a Record	154
Analyze and Report	156
Analysis Expert	157
User Interface	157
Navigating Data Forms Overview	158
About Operators	160
Create a Query Category	162
Query Design Process	162
Create a Query	162
Specify Query Criteria	163
Save a Query	168
Edit a Query	168
Clone a Query	169
Share a Query	170
Delete a Query	171
Execute a Query	172
Track Query Runs	172
Working with Query Results	173
View Query Results	173
Search for Specific Data in Query Results	174
Group Query Results by a Field	174
Perform Calculations on Query Results	175
Export Query Results	176
Print Query Results	177
Access Records in Query Results and Print Reports	177
Construct a Visual Link Chart From Query Results	179
Chart Query Results	179
Analyze Results	183
Table	183

Data Chart	185
Pie Chart	187
Reports	189
User Interface.....	189
Types of Reports.....	190
Administrator Only	190
Detail Reports.....	190
List	191
Lookups	191
Summary Reports	192
Creating a Report.....	192
Custom Reports.....	196
User Interface.....	196
Custom Report Design Process.....	196
Create a Custom Report	196
Save a Custom Report	197
Edit a Custom Report	198
Clone a Custom Report.....	198
Share a Custom Report	198
Delete a Custom Report.....	199
Execute a Custom Report	199
Report Designer	199
Getting Started	200
General Procedures	212
Create a Professional Table.....	216
Create a Crosstab	255
Gateway	264
User Interface.....	265
Incidents.....	267
Items, Persons, Organizations and Vehicles	270
Perspective DispatchLog.....	272
Access Perspective DispatchLog.....	273
User Interface.....	273
Navigating the program commands	276

Create and Manage an Activity	278
Start a New Basic Activity Record	278
Record an Officer's Response to an Activity	280
Record an Organization's Response to an Activity.....	282
Note an Action Request for an Activity	284
Add Persons Involved in an Activity	286
Note General Details of an Involved Person	286
Add the Involved Person's Clothing Details	288
Record the Involved Person's Sustained Injuries	288
Flag the Involved Person	289
Add Organizations Involved in an Activity.....	290
Add Vehicles Involved in an Activity	292
Add Items Involved in an Activity	294
Add an Attachment to an Activity Record	296
Give an Activity-Related Assignment.....	297
Add Activity Notes.....	299
Email a Basic Activity Record	300
Delete an Activity Record.....	301
Schedule an Activity.....	301
Close an Activity.....	302
Dispatch Activities	303
Bring an Officer On Duty	303
Dispatch an Officer for an Activity.....	305
Dispatch an Officer for Multiple Activities	305
Dispatch an Organization for an Activity	307
Dispatch an Organization for Multiple Activities.....	307
Update an Officer's/Organization's Status	308
View or Update an Officer's/Organization's Location	309
Update an Officer's Call Sign.....	309
Clear an Officer/Organization from an Activity.....	310
Bring an Officer Off Duty	310
System values.....	310
Additional Organizational Functions.....	312
Review Activity's Standard Operating Procedures	312
Display Activities Filtered by a Workgroup	313
Highlight Dispatched Officers/Organizations for Activities and Vice Versa	314

Filter all Dispatched Officers/Organizations for One Activity	315
View a Complete Officer Log	315
Clone Activities and Resources	316
Perspective Visual Analysis	318
Use Visual Analysis to Build a Link Chart	319
Access Perspective Visual Analysis	319
Create a Link Chart.....	320
Use IBM i2 ChartReader to Manipulate Your Link Chart	324
Transfer Your Link Chart into IBM i2 ChartReader	324
Additional IBM i2 ChartReader Resources	326
Contact Information	327
Technical Support	327
PPM 2000	327
Appendix A: Dashboard Chart Types	328
Appendix B: Text Editor Navigation	333
Appendix C: Data Field Types	336
Appendix D: Chart Wizard	342
Glossary	350
Index	364
Contact Information	372
Technical Support	372
PPM 2000	372

Welcome to Perspective by PPM 2000

Welcome to Perspective by PPM 2000™, the industry leader in Incident Reporting and Investigation Management software. Perspective by PPM is an end-to-end Incident Management solution that covers everything from response and documentation, through to investigation, and analysis. You can intelligently action and query your data for trending, risk mitigation, and planning. Then, with the ability to assess what's happening and its potential impact, you can make informed decisions that optimize performance, and illustrate the effectiveness of your security operation.

Perspective is available in the following four editions:

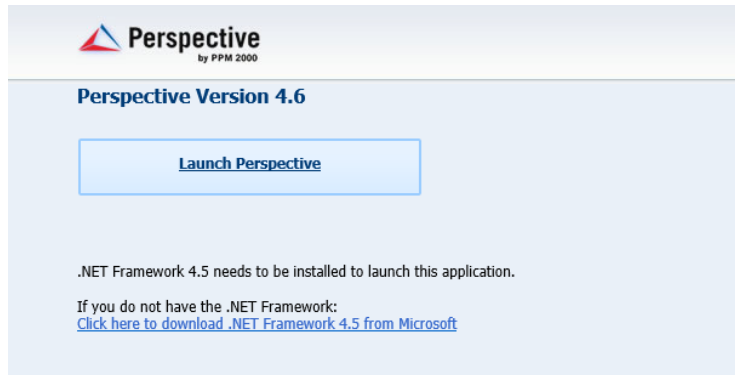
- **AIR:** Activity & Incident Reporting Software
- **SOC:** Security Operations Center Software
- **ICM:** Investigation & Case Management Software
- **EIM:** Enterprise Incident Management Software

These four Perspective editions offer just the right level of functionality for your specific incident management needs. Throughout this guide, variances in feature and functionality between the four editions are specifically identified. All screenshots reflect the EIM version of Perspective. Note that your Perspective system may not look identical to the sample system described in this guide; your system may be customized with field labels, lookup list options, and user defined fields that are unique to your organization.

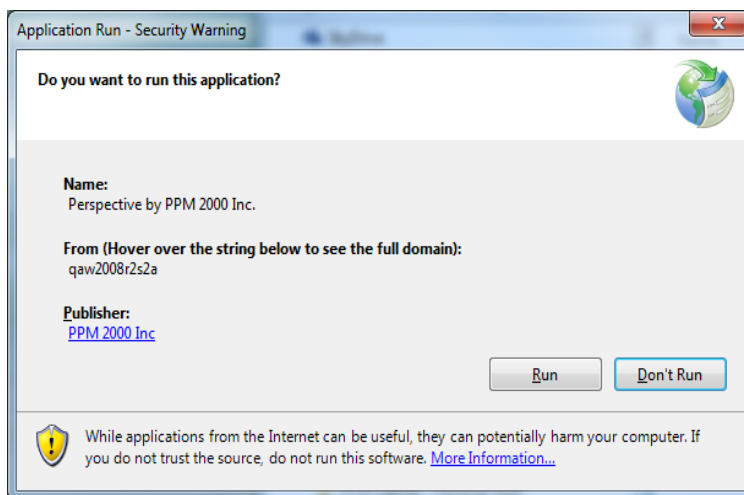
Note: Investigation Management is only available in the ICM and EIM Editions of Perspective.

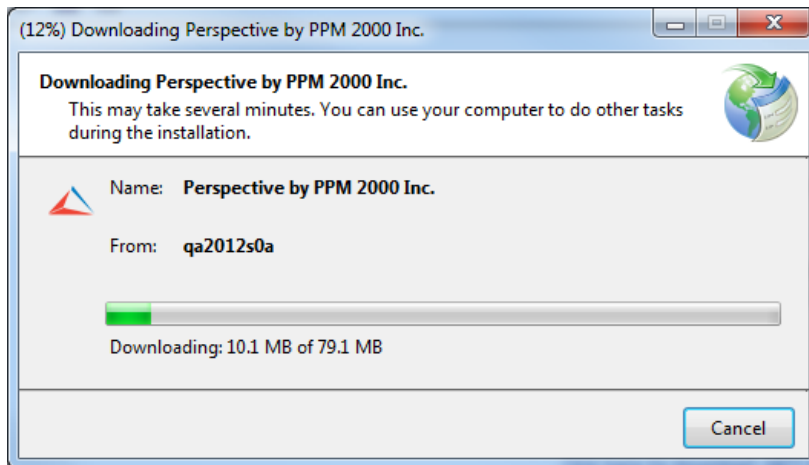
Accessing Perspective


1. In order to access Perspective, navigate to your Perspective Services URL:
http://<IISServer>/PerspectiveServices. <IISServer> refers to the Perspective Web server installed during the installation of Perspective.

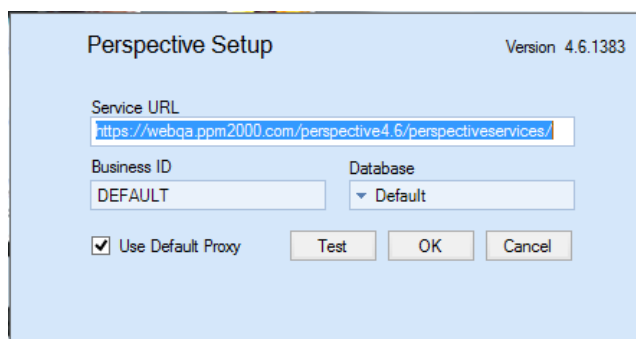


2. Click the **Launch Perspective** button.
3. If launching for the first time, do the following steps (otherwise, skip to step 4):
 - a. In the Security Warning window, click **Run**. Perspective will download and install.





- b. After Perspective downloads and installs, you're prompted to enter a URL. The URL should be automatically populated; if so, move to the next step. If not, click the **gear** icon  and enter your Perspective Services URL (as before):
http://<IIServer>/PerspectiveServices. <IIServer> refers to the Perspective web server installed during the installation of Perspective.



- c. Click **Test** to test your connection.
 - d. Click **OK**.
4. Once connected, a Logon window will appear. Enter the **User Name** and **Password** assigned to you by your Administrator.

Note: If your system uses Windows® authentication, the login will be performed automatically. To switch back to the standard Perspective login, press the F5 key on your keyboard.

5. Click the **Logon** button.



To **create a shortcut** to the application on the client machine's desktop, proceed as follows:

1. Navigate to the Perspective Services URL.
2. Right-click the **Launch Perspective** button.
3. Select **Copy Shortcut**.
4. Right-click the client desktop.
5. Select **Paste Shortcut**.

User Interface


Perspective's user interface is interactive, which means that it is constructed to match the current working process (e.g., creating a record, analyzing data, filing a report). While the standard icons of the Ribbon and the components of the Navigation pane remain constant, the rest of the screen content changes depending on the currently active Perspective component selected from the Navigation pane.

Perspective's user interface consists of the following broad parts:


1. **The Ribbon:** Locates the most frequently used general administration, navigation, help, and search tools.

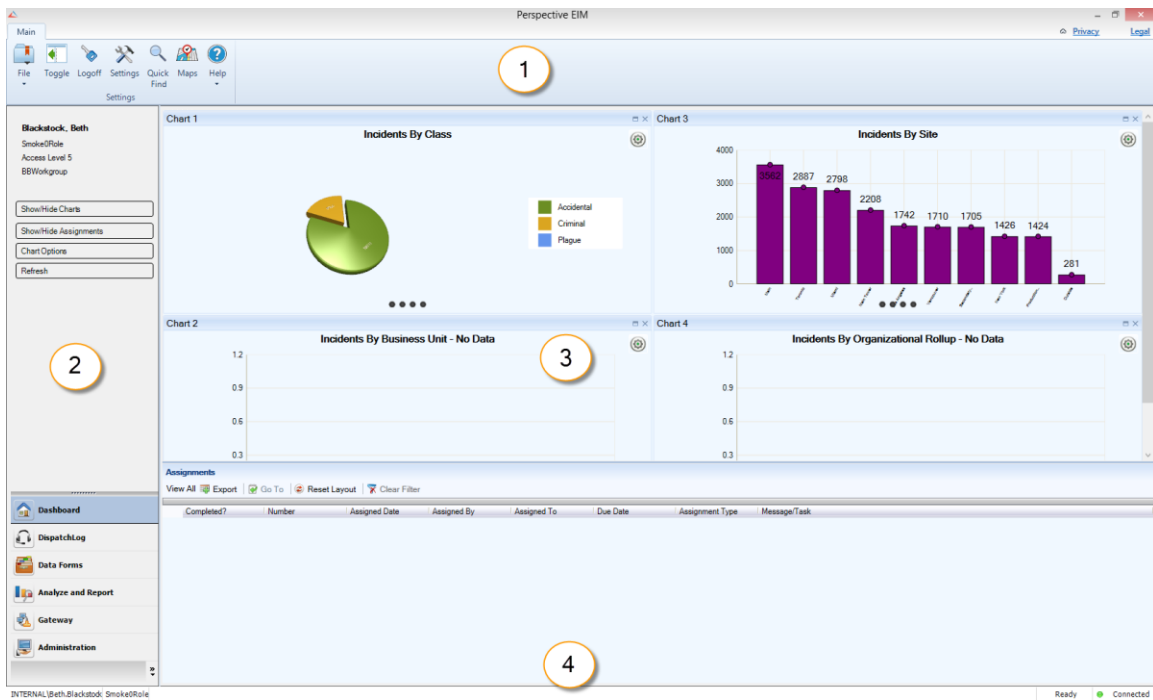
In the Data Forms component, the Visual Analysis icon is added. Visual Analysis assists by visually representing relationships between the records stored in Perspective's database.

In the Analysis Expert component, the Ribbon is populated with an additional set of icons that perform saving, adding, cloning, deletion, sharing, and execution of queries.

Hide the Ribbon by clicking the  icon on the top right corner (next to the Privacy link). Click the icon again to show the Ribbon.

To read Perspective's Privacy Statement, click the **Privacy** link. To read Perspective's Legal Notice, click the **Legal** link.

2. **Navigation pane:** Consists of the two major parts: the bottom part allows you to select different Perspective components (Dashboard, DispatchLog, Analysis Expert, Reports, etc.), while the top part displays the component-specific navigation options. Using the top part of the Navigation pane, you will be able to control the workflow within the individual Perspective components (e.g., open the DispatchLog console, modify the view of your Perspective records, customize reports, and specify query settings). To hide the Navigation pane, click the **Toggle Navigation Window** icon  on the Ribbon. Click the icon again to make the pane reappear.
3. **Main screen:** Consists of one or more sections and displays the core record data stored in Perspective (depending on the currently active component). For instance, the main screen in the Data Forms, and the Gateway components, consists of a Listing pane with a list of records and a Viewing pane, where data of the record selected in the Listing pane is displayed.
4. **Status bar:** Contains your system and login information, including your username, role, and your current Perspective's system and connection status (e.g., Connected/Disconnected). After performing an action on a record, check the status bar at the bottom of the screen for a confirmation message. The status bar will indicate when Perspective is in the process of completing an action (e.g., Loading, Saving, Deleting) and also specify if an action is complete and successful (e.g., "Record is successfully saved"), or unsuccessful (e.g., "Please provide required fields before saving").



Main System Components


You can access all of Perspective's features and functionality from the Navigation pane. Just click on the buttons to switch between components, and then further explore each component by clicking on the options displayed.

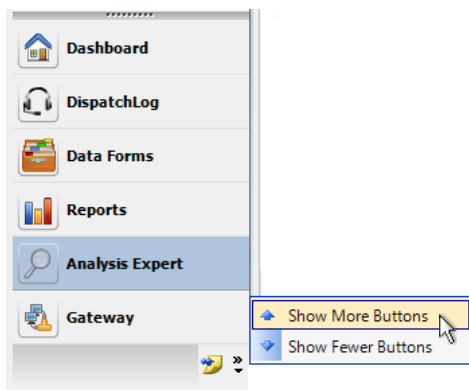
Note: The components any particular user sees is dependent on that user's privileges and access rights. Refer to [User Privileges and Access Rights](#) section for more information.

Main System Components

Dashboard	Dashboard is Perspective's opening screen. Use it to track ongoing projects in the Assignments section, and quickly review selected records' trends and statistics in the Charts area.
DispatchLog	Opens a separate DispatchLog console window that assists in centralized dispatching of officers and organizations. Please consult the Perspective DispatchLog chapter for a complete description of dispatching procedures.
Data Forms	Enter, update, and review your Activity, Incident, Case (Perspective ICM and EIM only), Item, Person, Organization, and Vehicle records in Data Forms.

Analyze and Report	Use Analysis Expert to query records for specific data, and then turn your results into a printed grid, spreadsheet, chart, or report. Choose from a number of pre-set reports to generate statistics and analyze trends in your data. Or use Custom Reports to create your own reports.
Gateway	Gateway serves as an inbox for all electronically submitted reports. Selected users assess each report before accepting it into Perspective or deleting it from the system.
Administration	Designated Administrators use this component to manage system settings, workgroups, roles, users, officers, auditing, languages, some components of the system interface, and visual alerts. The functions of the Administration component are described in the <i>Perspective Administrator's Guide</i> .

Customize visibility of the components by dragging the top border of the component section in the Navigation pane, or by clicking the configure arrow buttons. This will hide the bottom components one by one. Click on the **pin** icon  to return the hidden component back to the pane.



User Privileges and Access Rights


Every Perspective user's visibility and access rights are customized by a user, or users, designated as the Administrator(s).

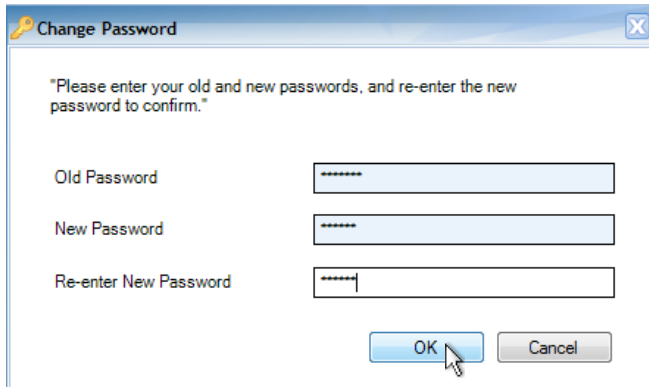
Some basic users may only be authorized to read and add new records, without any editing, locking, unlocking, or deleting privileges. The records they are permitted to read may also be restricted by various security controls, and some forms may not be visible (e.g., Investigations forms—which is limited to ICM and EIM—or the Controls tab). Furthermore, these basic users may be restricted from advanced components, such as Analysis Expert or Reports. On the other hand, highly advanced users may have full access to all system components, forms, fields, and functions.

If you are unable to view a particular component or form, or if you are not permitted to perform a certain function, it may be a result of your assigned user privileges. For more information on how data is segregated within Perspective and how user visibility and access rights are assigned, refer to the "Security Layer Overview" chapter in the *Perspective Administrator's Guide*, or, if you possess appropriate access rights, in the online [Admin Help](#).

Account Settings

Changing Your Password


1. To initiate the change of your current account password, click the **File** icon  on the Ribbon.
2. Select **Change Password**.
3. In the dialog window, enter your **Old Password** and your **New Password**.
4. Re-enter your new password in the field below to confirm the password configuration.
5. Click **OK** to save the change and verify your new password.



The image shows a "Change Password" dialog box with a title bar containing a key icon and the text "Change Password". The dialog contains the instruction: "Please enter your old and new passwords, and re-enter the new password to confirm." Below this are three text input fields: "Old Password", "New Password", and "Re-enter New Password". Each field contains a series of asterisks representing masked text. At the bottom of the dialog are two buttons: "OK" and "Cancel". A mouse cursor is pointing at the "OK" button.

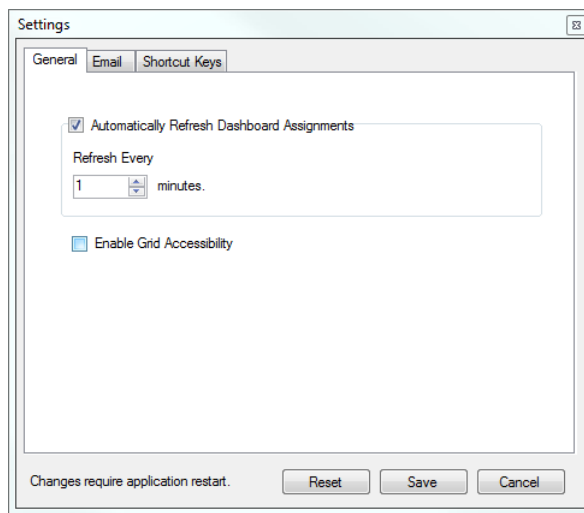
Dashboard Settings

By default, your Dashboard is set to automatically refresh once every minute. You may set your Dashboard to automatically refresh less frequently or to require manual reloading.

1. Click the **Settings** icon  on the Ribbon. The Settings window will open with the General tab open by default.
2. To modify how often your Dashboard refreshes, ensure the **Automatically Refresh Dashboard Assignments** box is checked, and in the field below, specify how frequently you would like the Dashboard to refresh (from once every minute to once every sixty minutes).

To set your Dashboard to require manual reloading, uncheck the Automatically Refresh Dashboard Assignments box.

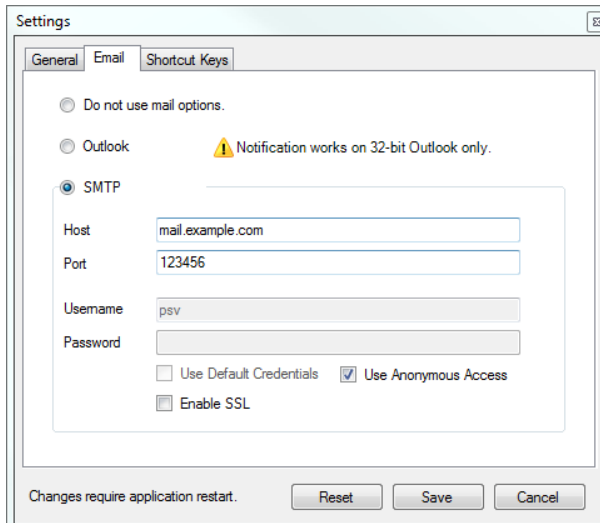
3. Click **Save**.
 - At any time, you may click **Reset** to return your Dashboard to its default refresh settings.
4. Restart Perspective (log out, then log back in) to enforce any changes that you have made.



Email Settings

During the Perspective installation process, your system was configured for either Outlook or SMTP email integration. Alternatively, your email options may have been disabled. Depending on the setup, you may be permitted to modify your default email settings.

1. Click the **Settings** icon  on the Ribbon. The Settings window will open.



2. Select the **Email** tab.
3. If you do not want the option of sending email messages in Perspective, select the **Do not use mail options** radio button.

- Alternatively, select the **Outlook** radio button to configure Perspective to deliver email messages directly to your local Microsoft® Outlook® client.

Select the **SMTP** radio button to configure Perspective to deliver email messages using SMTP integration:

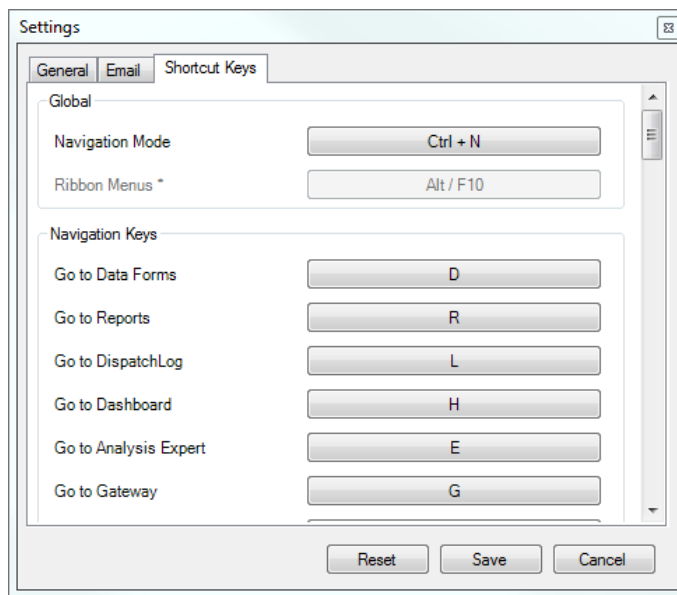
- a. Enter your **Host** and **Port** information.
 - b. Specify your **Username** and **Password**, or check the **Use Default Credentials** box.
 - c. Alternatively, check the **Use Anonymous Access** box to send email messages without any user credentials.
 - d. To specify whether Secure Socket Layer (SSL) is used to encrypt the connection, click the **Enable SSL** box.
4. Click **Save**.
 - At any time, you may click **Reset** to return your email settings to their original system defaults.
 5. Restart Perspective to enforce any changes that you have made.

Shortcut Keys

Shortcut keys enable you to map commonly used Perspective functions to shortcut key combinations for quick access.

1. Click the **Settings** icon  on the Ribbon. The Settings window will open.

2. Select the **Shortcut Keys** tab.
3. For every key you want to change, do the following:
 - a. Click the function's button.
 - b. Tap the new key combination you want to use. If the shortcut is being used elsewhere, you'll be prompted to confirm your selection.
4. Click **Save**.
 - At any time, you may click **Reset** to return your shortcut key settings to their original system defaults.



The default settings for shortcut keys are as follows:

Shortcut Keys

Function Name	Default Key Combination
Global	
Navigation Mode	Ctrl + N
Ribbon Menus *	Alt/F10
Navigation Keys	
Go to Data Forms	D

Go to DispatchLog	L
Go to Dashboard	H
Go to Analysis Expert	E
Go to Gateway	G
Go to Administration	M
Go to Activities	A
Go to Incidents	I
Go to Cases	C
Go to Items	S
Go to Persons	P
Go to Organizations	O
Go to Vehicles	V
List All Records	W
Open Quick View	Q
Show Saved Views	K
Focus on List Pane	F
Hide List Pane	Y
Change Password	1
Exit Perspective	2
Admin Help	8
User Help	9
Toggle Navigation Pane	3

Logoff	4
Settings	5
Quick Find	6
Open Visual Analysis	7
About Perspective	0
Hide Ribbon Menu	Minus
View Legal Notice	F3
View Privacy Policy	F2
Go to Client Site	F5
Maps	F6

Record Details

Save	Ctrl + S
Edit	Ctrl + E
Merge	Ctrl + U
Add From Source	Ctrl + G
Delete	Ctrl + Minus
Add	Ctrl + Plus
Cancel	Ctrl + K
Create Incident	Ctrl + I
Lock/Unlock	Ctrl + L
Print	Ctrl + P
Send	Ctrl + M

View Record Audit Info	Ctrl + D
Focus on Details Tabs	Ctrl + F
Back to List Pane	Ctrl + B

List Pane

Select Top Record	Ctrl + T
Print List	Ctrl + P
Sort List	Ctrl + O
Next Page	Ctrl + Right Arrow
Last Page	Ctrl + Down Arrow
Previous Page	Ctrl + Left Arrow
First Page	Ctrl + Up Arrow
Jump to Page	Ctrl + 1
Focus on Selected Record	Ctrl + L
Add *	Ctrl + Plus
Edit *	Ctrl + E
Focus on Details Tabs *	Ctrl + F
Delete *	Ctrl + Minus

Controls


Link Record: Open List	Ctrl + W
Link Record: Quick View	Ctrl + Q
Large Text Field: Spell Check	Ctrl + Q
URL Field: Open URL	Ctrl + Q

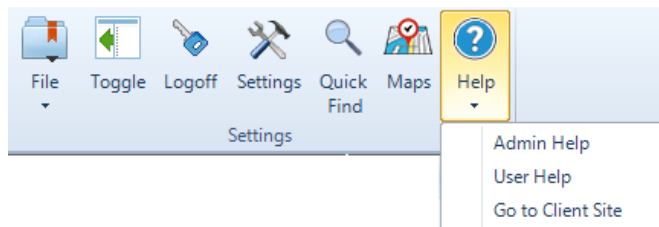
Interview: Toggle Fields	Ctrl + F
Analyze and Report	
Reports	Ctrl + R
Queries	Ctrl + Q
Custom Reports	Ctrl + E

** Not configurable or must be set in another section.*

Help Options



Whether you are learning how to use Perspective or looking for information on a specific topic, Perspective Help explains how to use program features, identify windows and fields, and answer common questions.

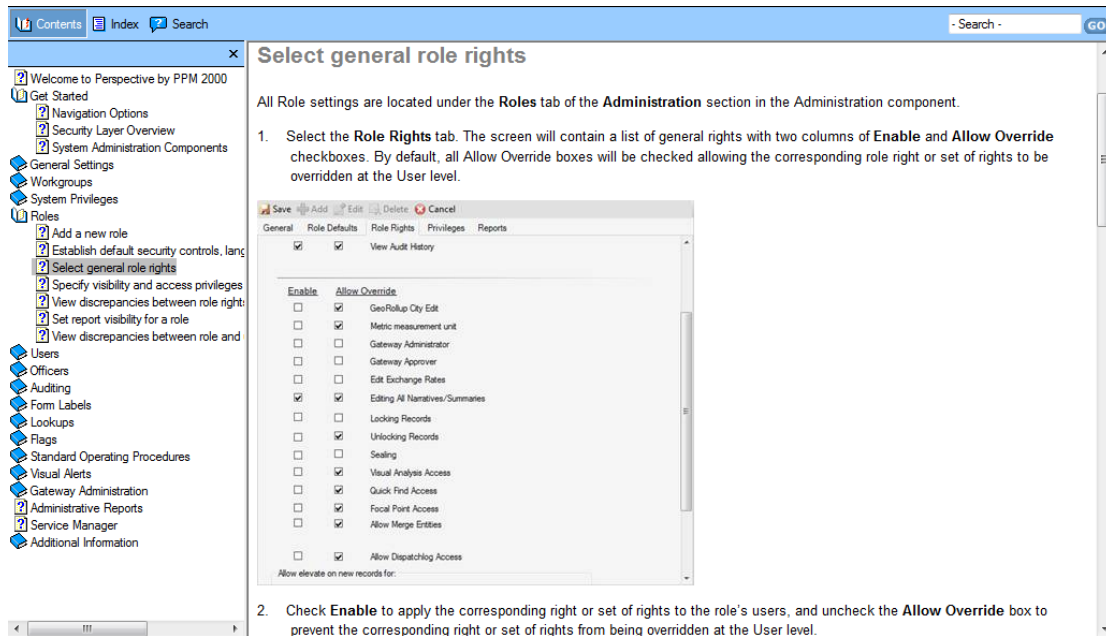
- To open one of the available Help files, click the **Help** icon  located on the Ribbon. Click on **User Help** to access general Help files. Select **Admin Help** to access Administrator-specific Help files (requires appropriate permissions).



- To navigate through the Help file, click the Contents button on the upper left corner, or the links on the top right corner.
- In the Help screens, look for words that are [hyperlink blue](#); these link to other topics with related information.

Contents Tab: Browse Help by topic

- Click a **book** button  to open it and view the chapters and pages contained within.
- Then click a **page** icon  to fill the Viewing pane with information on the selected subject.



Select general role rights

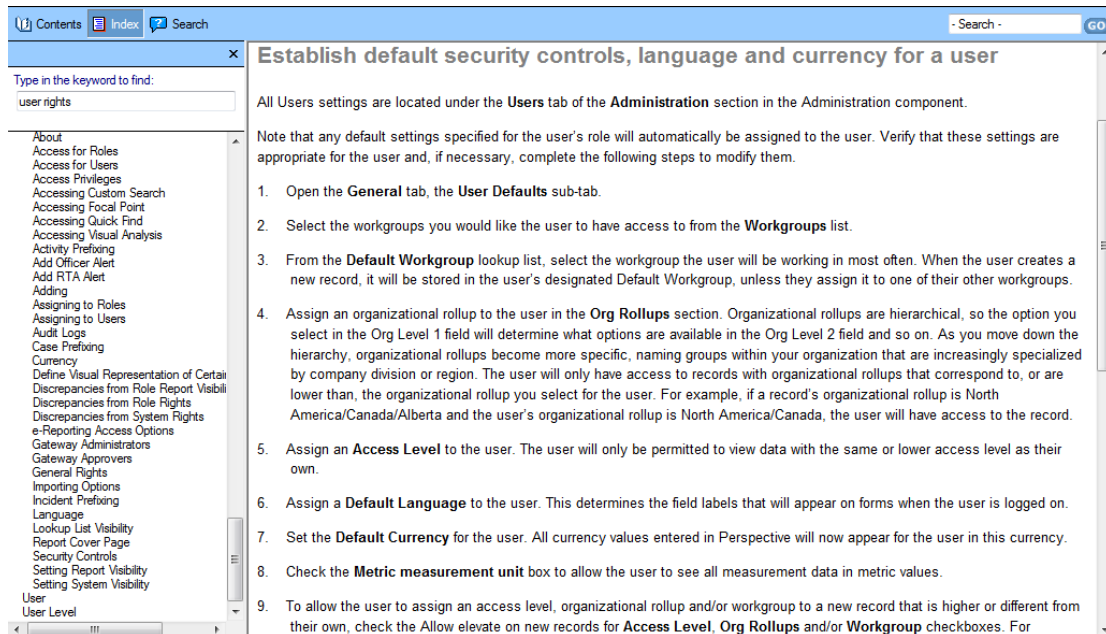
All Role settings are located under the **Roles** tab of the **Administration** section in the Administration component.

1. Select the **Role Rights** tab. The screen will contain a list of general rights with two columns of **Enable** and **Allow Override** checkboxes. By default, all Allow Override boxes will be checked allowing the corresponding role right or set of rights to be overridden at the User level.

2. Check **Enable** to apply the corresponding right or set of rights to the role's users, and uncheck the **Allow Override** box to prevent the corresponding right or set of rights from being overridden at the User level.

Index Tab: Browse Help by Index

1. Scroll through the listed keywords or type a keyword to reference.
2. Click a keyword from the list to display the associated topic.



Establish default security controls, language and currency for a user

All Users settings are located under the **Users** tab of the **Administration** section in the Administration component.

Note that any default settings specified for the user's role will automatically be assigned to the user. Verify that these settings are appropriate for the user and, if necessary, complete the following steps to modify them.

1. Open the **General** tab, the **User Defaults** sub-tab.
2. Select the workgroups you would like the user to have access to from the **Workgroups** list.
3. From the **Default Workgroup** lookup list, select the workgroup the user will be working in most often. When the user creates a new record, it will be stored in the user's designated Default Workgroup, unless they assign it to one of their other workgroups.
4. Assign an organizational rollup to the user in the **Org Rollups** section. Organizational rollups are hierarchical, so the option you select in the Org Level 1 field will determine what options are available in the Org Level 2 field and so on. As you move down the hierarchy, organizational rollups become more specific, naming groups within your organization that are increasingly specialized by company division or region. The user will only have access to records with organizational rollups that correspond to, or are lower than, the organizational rollup you select for the user. For example, if a record's organizational rollup is North America/Canada/Alberta and the user's organizational rollup is North America/Canada, the user will have access to the record.
5. Assign an **Access Level** to the user. The user will only be permitted to view data with the same or lower access level as their own.
6. Assign a **Default Language** to the user. This determines the field labels that will appear on forms when the user is logged on.
7. Set the **Default Currency** for the user. All currency values entered in Perspective will now appear for the user in this currency.
8. Check the **Metric measurement unit** box to allow the user to see all measurement data in metric values.
9. To allow the user to assign an access level, organizational rollup and/or workgroup to a new record that is higher or different from their own, check the Allow elevate on new records for **Access Level**, **Org Rollups** and/or **Workgroup** checkboxes. For

Search Tab: Search Help

1. Type a word or phrase and click the **Go** button.
 - Perspective Help will list topics containing the word or phrase below.


2. Click the topic you want to display.
 - The topic will appear in the Viewing pane.

The screenshot displays the Perspective application interface. On the left, a search bar contains the text 'investigation' with a 'GO' button. Below it, a table lists search results with columns for 'Title' and 'Rank'. The first result is 'View discrepancies between system-level rights and role or user rights' with a rank of 1. The second result is 'Welcome to Perspective by PPM 2000' with a rank of 2. The third result is 'Security Layer Overview' with a rank of 3. On the right, a text area explains the security layer set-up, starting with 'Your security layer set-up begins with segregating your data by:'. It lists three categories: 'Workgroup', 'Organizational Rollup', and 'Access Level'. Below this, a diagram shows a sphere divided into three segments: 'HUMAN RESOURCES' (red), 'SECURITY' (blue), and 'INVESTIGATIONS' (yellow). The 'INVESTIGATIONS' segment is highlighted in yellow. Below the diagram, a table lists 'Access Levels' from 1 to 5, with level 3 highlighted in yellow.

Quick Find Tool

The Quick Find tool is an advanced search that can locate records containing your specified text. The tool will check text fields across your Perspective database (such as summaries, narratives, and text attachments) for the words or phrases you enter. The Quick Find attachment indexing supports the following file formats: .doc, .docx, .docm, .xls, .xlsx, .pdf, .txt, .text, .rtf, .sms, .log, .msg, .wpd, and .wps.

Note: The Quick Find tool requires an indexed database to function properly. Contact your Perspective Administrator for further information.

1. Click the **Quick Find** button  on the Ribbon.
2. In the **Enter Search String** field, type the text you want to find. You can customize your search as follows:
 - To search for an exact matching phrase, enclose it in quotation marks.
 - To search for records containing two or more words or phrases, join the words or phrases with the AND operator. For example, if you want to search for records containing the words black and coat, use the following search string: black AND coat.
 - To search for records containing either one word or phrase or another word or phrase, join the words or phrases with the OR operator. For example, if you want to search for

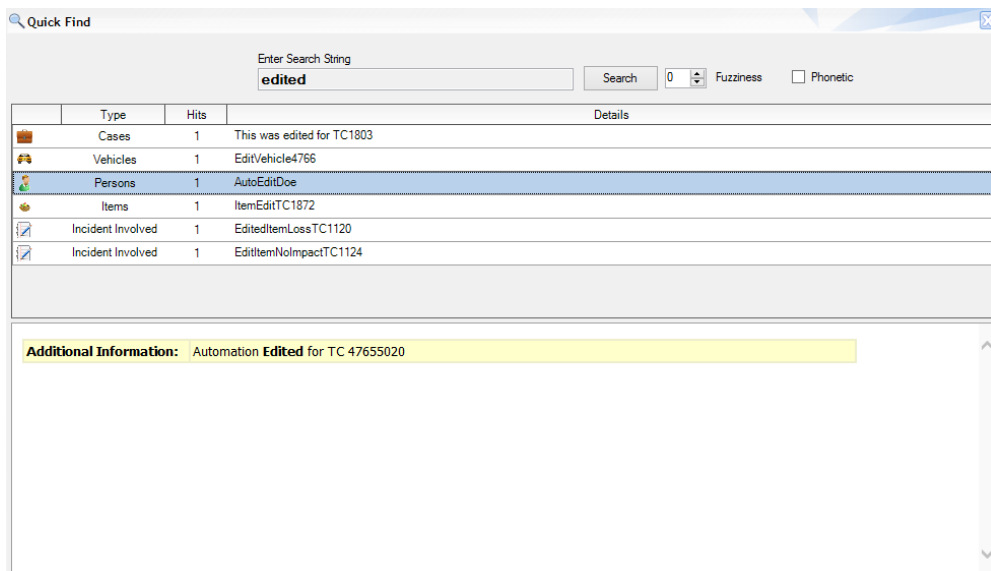
records containing either the word laptop or the word computer, use the following search string: laptop OR computer.

- Use wildcards to search for words and phrases that start, end, or simply contain particular characters. Perspective's Quick Find supports the * (asterisk) wildcard as a substitute for zero or more characters. For example, if you want to search for records containing words (numbers, names, cities, etc.) that start with san, use the following search string: 'san*'. If you want to search for records with words that contain the pattern ger, use the following search string: '*ger*'.

Note: Previews for matching records found with the help of the wildcards will not be displayed.




- Searches can be customized further using the **Fuzziness** and **Phonetic** settings.
 - Select a Fuzziness setting (default value is zero; maximum value is 10) to determine how broadly your search terms will be applied. A higher Fuzziness value will return results which are less exact than your search text. This can help to discover records even if they have typos in them. For example, a fuzzy search for 'vehicle' would include the results 'vehcile' or 'vehickle'. Enabling the Fuzziness setting may increase the time it takes to perform a search.
 - Select the Phonetic checkbox to include search results that sound the same as the search term. This can be helpful when searching for names that sound the same but have different spellings (e.g., Aaron/Erin, Smith/Smyth). Enabling the Phonetic setting may increase the time it takes to perform a search.
3. Click **Search**.
 - A list of records containing the specified word or phrase will appear in the grid below. The number of times the word or phrase appears in each record will be noted in the Hits column. As well, the specific form that the word or phrase was found in will be listed (e.g., Incident Narrative, Investigation Summary, Person Attachment).
 4. To quickly scan the results, select a record in the list.
 - A preview of the record segment containing the word or phrase will appear in the pane below.
 5. Double-click a record in the list to open it.
 - Perspective will advance to the selected record in Data Forms, with focus on the form containing the word or phrase. (The Quick Find window may still be opened in the foreground; in this case, minimize the Quick Find window to view Perspective.)
 6. Click the **Close** [x] button in the top-right corner to close the Quick Find window.



Custom Search Feature

The Custom Search feature allows you to launch the Infoglide Identity Resolution Engine™ (IRE) from Perspective, to search within several data sources at once.

Note: Custom Search must first be configured in the Perspective Service Manager before it may be accessed in Perspective. For further details, please see the Perspective Installation Guide.

1. Click the **Custom Search** icon  on the Ribbon.
 - The Infoglide Identity Resolution Engine will open in a new window.
2. Following the basic search principles described in the “[Quick Find Tool](#)” section of this chapter, perform the custom search required.
3. When finished, close the window to return to Perspective.

Maps

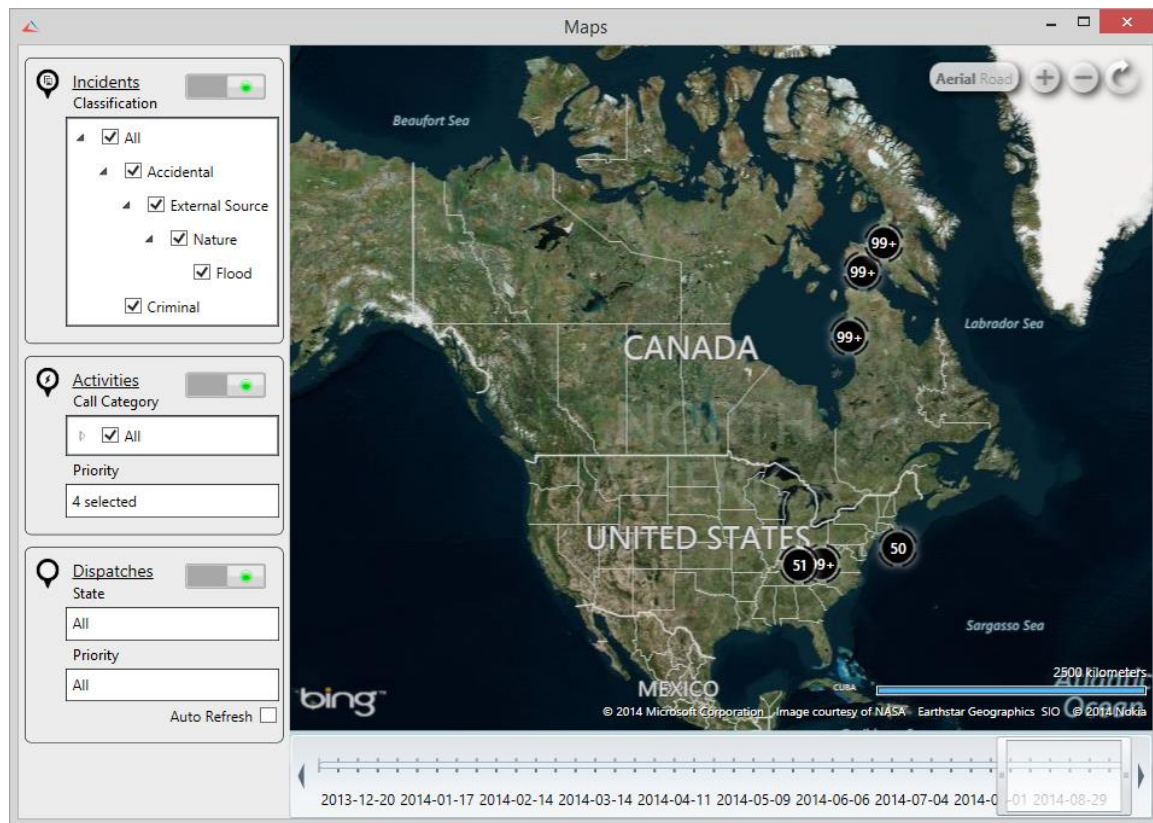
Perspective Maps allows you to quickly see where a Dispatch is occurring, or where an Activity or Incident has occurred. Perspective’s mapping tool allows you to quickly access any record you want.

All Dispatches, Activities, and Incidents will appear on the map. You can easily define the records you want displayed with the filter option.

From the mapping tool, you can see relevant tooltips that contain information like the Class, Category, Occurred Time, Priority, and Status (the information you are able to see depends on if



you are looking at an Incident, Activity, or Dispatch). From here, you can select the record you want to open and look at it in more detail.


Note: The Mapping option requires an internet connection.



Features

Map view: The Aerial map is the default map. To switch to Road map, click the button Aerial/Road button **Aerial Road** on the top right corner of the Maps window.

Zoom: You can zoom in or out on the map by using the  or  buttons, or by using the scroll button on your mouse.



Incidents and Activities auto refresh: The map automatically refreshes Incidents and Activities every 15 minutes, but if you want to refresh it sooner, click the refresh button . Pressing the F5 button will also refresh the Incidents and Activities.

Dispatches auto refresh: To automatically refresh Dispatches on the map, you need to have the Auto Refresh checkbox ☒ selected (located in the Dispatches section on the Maps page). If this checkbox is selected, the Dispatches will refresh in less than one minute.

Note: Dispatch auto refresh only works if the date range is set to the last seven days. If your date range is set to the last 14 days and you check the Dispatch auto refresh checkbox, your timeline will be reset to the last 7 days, or auto refresh will deselect automatically if you expand your date range to over 7 days with auto refresh enabled.

Date Range: Use the left and right arrows on the date range to move backwards in time, or drag and drop the date range bar to the occurred dates of Incidents, Activities, and/or Dispatches you want to see on the map.

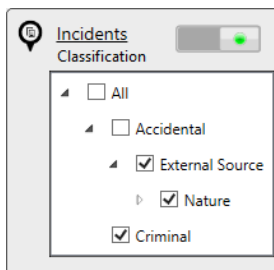
Scale: Your map's scale will be automatically set to go off of your computer's system settings.

Filters: To filter what you want to see displayed on the map, turn the switch to on  or off . For example, if you only want Incidents to be displayed, turn the Activities and Dispatches filter switch to the off position. By filtering out Incidents, Activities, or Dispatches, it will make it easier for you to find exactly what you are looking for.

Incidents

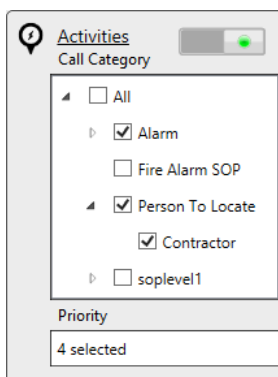
Note: If you do not have privileges for Incidents, Activities, particular Workgroups, etc., those records will not display in Mapping.

You can search by all Class Rollups, or drill down to only search for specific Classifications (i.e., Criminal Incidents).



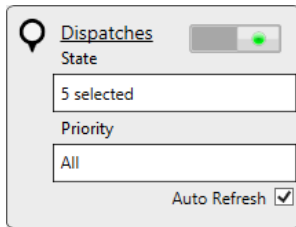
Activities

You can search by all Call Categories and Priorities, or drill down to only search for specific Call Categories or Priorities.




Dispatches

You can search by all States and Priorities, or drill down to only search for specific States or Priorities.



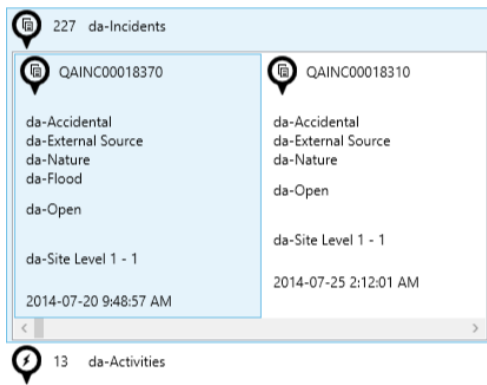
Tooltips

Tooltips are how you dig deeper into an Incident, Activity, or Dispatch, to determine if it is the one you are looking for. To look at tooltips, simply hover over the pin  on the map. A pin is a circle with a number in the middle, where the number represents how many Incidents or Activities have occurred in that location, or how many Dispatches are occurring in that location.

When you hover over the pin, the tooltip will appear. First, you will be shown a count of the number of Activities, Incidents, and Dispatches that are in that pin.



From here, click once on the word Activities, Incidents, or Dispatches, depending on what you want to look at. For example, if you click on the word Incidents, all the Incidents in that pin will open in greater detail. To scroll through them, use the scrollbar that appears in the window.



Once you have found the record you are looking for, click on it, and it will open in Perspective. The map will remain opened in another window.



The screenshot shows a software window titled "QAINCO 00118...". The window has a menu bar with "Save", "Edit", "Add", "Delete", "Lock", "Print", and "Cancel". Below the menu bar are tabs: "General", "Involvements", "Narratives", "Attachments", and "Links". The "General" tab is active, showing a "Details" section with the following fields:

Incident Number	Reported Date/Time	
QAINC00011874	2014-08-14 06:04 AM	
File Number	Occurred From Date/Time	
	2014-08-14 06:04 AM	
e-Incident Number	Occurred To Date/Time	
Class	Site	Level 1
Accidental	MichelleA	
Category	Building	Level 2
External Source	MichelleB	
Subcategory	Location	Level 3
Type	Section	Level 4


Note: A pin will only go up to 99+. However, you can hover over the pin and the tooltip will open, allowing you to scroll through all Incidents, Activities, and Dispatches that have occurred or are occurring in that location. Double click on pin clusters to zoom in.

Exiting Perspective

There are two options to exit Perspective:

- **Logoff option:** Log off the current user while leaving the Perspective system running. To log off, click the **Logoff** key icon  on the Ribbon, or use the keyboard shortcut **Ctrl+Shift+L**.
- **Exit option:** Completely exit Perspective, which requires a full system reload upon the next login. To exit Perspective, close the Perspective window, use the keyboard shortcut **Alt+F4** (or click on the **File** icon ) , and select **Exit**.

Note: While the Logoff option requires an additional confirmation of your choice to exit Perspective via a confirmation window, the Exit option will simply terminate the work of Perspective as soon as you choose to exit.

*Before exiting Perspective (regardless of which exit option you choose), you have to press the **Save** button  to save any changes you have made to records while working in Perspective.*

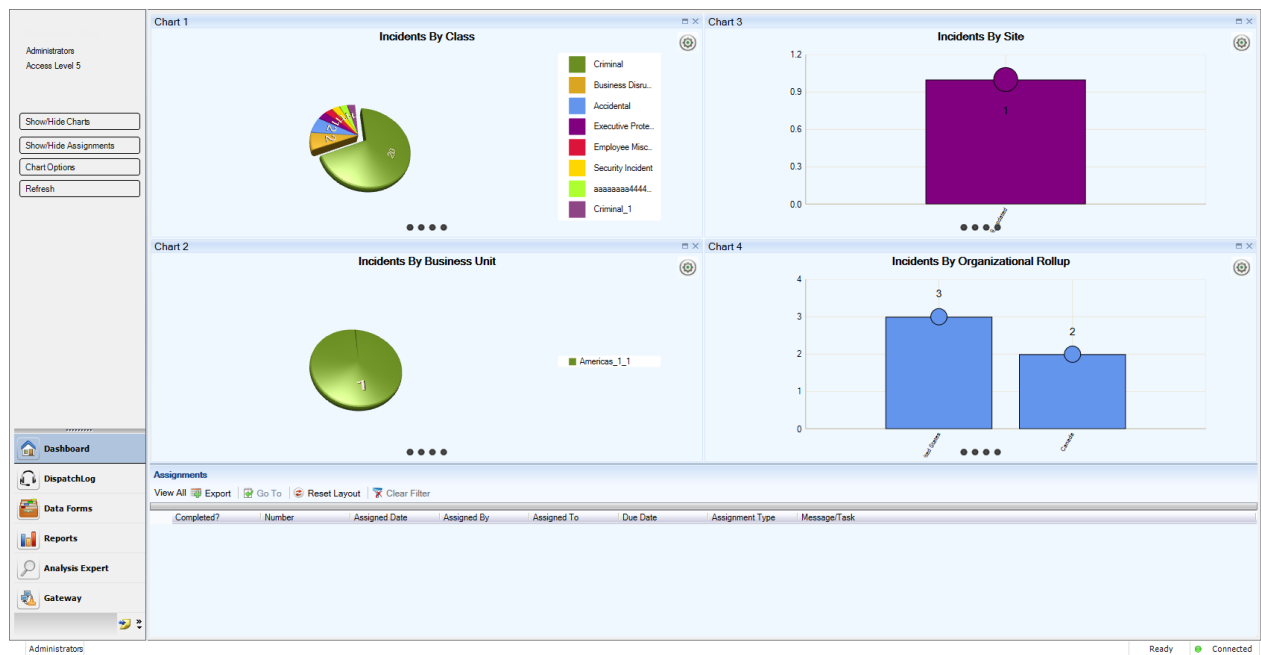
Dashboard

The Dashboard is Perspective's default screen. Like the dashboard of an automobile with its various gauges and indicator lights, Perspective's Dashboard keeps users informed about what is happening in their organization and alerts them of important changes. It helps to track ongoing projects and tasks, and includes a statistics snapshot section for the incidents the user has access to.

User Interface

The two elements of the Dashboard are Charts and Assignments.





1. **Charts:** Get a quick overview of incident trends and statistics with the help of up to four selected bar or pie charts.
2. **Assignments:** Track activities or projects assigned to you, as well as those you have assigned to others, from start to finish.



- Resize the individual elements by dragging the borders surrounding them.
- To display/hide one of the Dashboard elements, click **Show/Hide Charts**, or **Show/Hide Assignments** on the Navigation pane.
- To refresh the view of the Dashboard, click the **Refresh** button on the Navigation pane.

Charts

The four pre-set charts on the Dashboard give you a quick overview of trends found in the Perspective database records you have access to. To select the combination of up to four charts for display on the Dashboard, follow the steps described below.

1. Click the **Chart Options** button on the Navigation pane.
2. In the Chart Settings window, click on the **ON/OFF**  switch to display or hide one of the chart sections.
3. Within the relevant chart field (e.g., Chart 1), choose the chart you would like to appear in the selected chart section (e.g., Incident by Class).
 - For a complete list of available pre-configured charts and their descriptions, see [“Appendix A: Dashboard Chart Types”](#).
4. Depending on the chart specified, a number of further settings will be displayed, which may (or may not) include the following:
 - **From Last:** Select the time period for which you would like to see the statistics on the chart (e.g., 365 days).
 - **Top:** Specify the number of categories you would like to display on your chart (e.g., top 10 classes).
 - **Call Category:** Restrict your data to a specific Call Category, making it as narrow as necessary. Click the **plus** icon  next to the Call Category field, and select the required number of levels of category by which you would like to restrict the data in the chart.
 - **Class ID:** Restrict your data to a specific Class, making it as narrow as necessary. Click the **plus** icon  next to the Class ID field, and select the required number of class levels (i.e., Class/Category/Subcategory/Type) by which you would like to restrict the data in the chart.
 - **Site:** Restrict your data to a specific Site, making it as detailed as necessary. Click the **plus** icon  next to the Site field, and select the required number of site levels (i.e., Site/Building/Location/Section) by which you would like to restrict the data in the chart.
 - **Category ID:** Restrict the Case data in your chart to either Internal or External cases.
 - **Year:** Select the specific year you want to display your data for (e.g., 2011)
 - **Chart Type:** Choose either the pie or bar chart type.

The screenshot shows a 'Chart Options' dialog box with four sections, each for a different chart. Each section has a 'Select Chart' dropdown, a 'Class ID' or 'From Last' dropdown, a 'Site' or 'Top' dropdown, and a 'Chart Type' button. The 'Chart 1' section is for 'Perspective Gauge'. The 'Chart 2' and 'Chart 3' sections are for 'Incidents By Site'. The 'Chart 4' section is for 'Incidents By Organizational Rollup'. The 'Chart 4' section is currently selected, and its 'Chart Type' button is highlighted.

Chart 1

Select Chart: Perspective Gauge

Class ID: [Text Box]

Site: [Text Box]

Chart 2

Select Chart: Incidents By Site

From Last: 365 Days

Top: 10

Chart Type: [Buttons]

Chart 3

Select Chart: Incidents By Site

From Last: 365 Days

Top: 10

Chart Type: [Buttons]

Chart 4




Select Chart: Incidents By Organizational Rollup

From Last: 365 Days

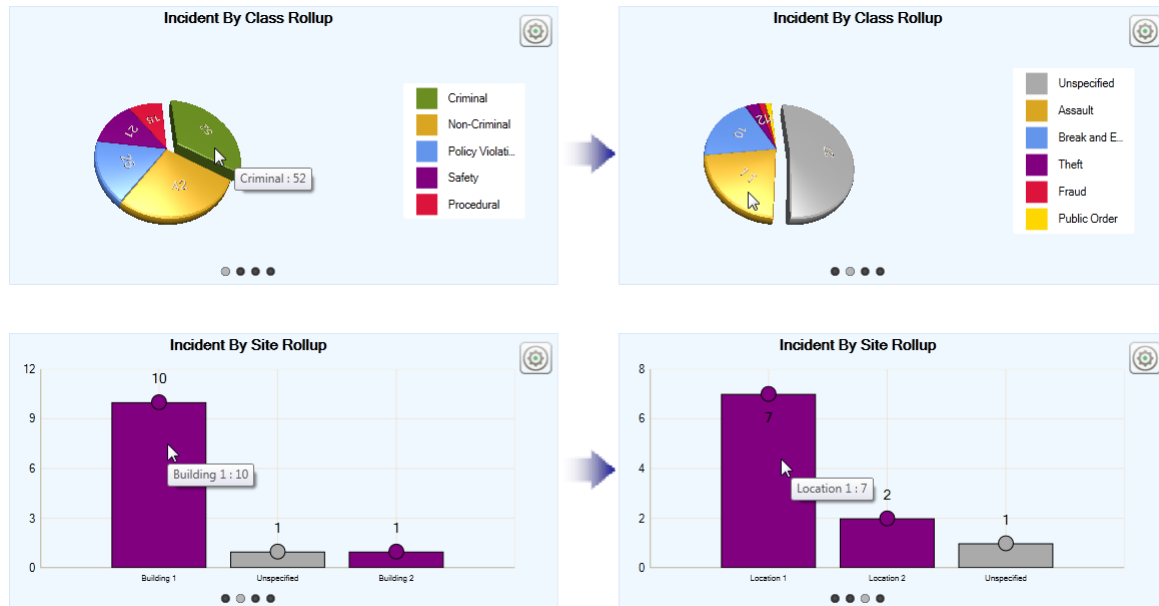
Top: 10

Chart Type: [Buttons]

OK Cancel

5. Click **OK** to see the results displayed on the Dashboard.
6. At any time, you may change the chart options for each individual chart displayed on the Dashboard by clicking the corresponding **Settings** icon .
 - This will open the options window for the chart that you chose to modify.
7. Examine one particular chart in detail by clicking the **Maximize** icon  in the upper right corner of the relevant chart section. To dock it back together with the rest of the charts, click the equivalent **Minimize** icon .
8. If the chart you selected is either a uni-coloured bar chart or a pie chart, you may be able to explore the information contained in the chart further. By clicking on a bar or a pie sector that corresponds to a specific category, class, organization, or site, you may expand the data that is hierarchically subordinate to the data currently displayed on the screen. For example, if you are viewing the Incident By Class chart, you may click on the green pie sector that corresponds to the Criminal class of incidents to open a pie chart for all incidents contained under the Criminal class (e.g., Assault, Theft, Fraud). To explore the data even further, you may click on the yellow pie sector that corresponds to the Assault category of incidents.

The number of subordinate charts corresponds to the number of tiers under the corresponding rollup (in our example, the Class Rollup). To navigate within the hierarchy, click on one of the dark gray circle icons displayed below the chart. Each circle represents one tier of the rollup, in ascending order.



9. To copy a chart image, right-click the chart and select **Copy to Clipboard**.

Assignments

When you receive or delegate an assignment to another user, the assignment is displayed on your Dashboard. You may also receive an email notification about the assignment, and if you are logged on to Perspective at the time, a pop-up will appear in the bottom right corner of your screen alerting you to the email. Incomplete assignments that are past their due date are listed in red font.

Along with your assignment's associated Activity, Incident, or Case Number, the Dashboard's Assignments section displays the following information:

- **Completed:** A checkbox indicating whether or not the assignment has been completed.
- **Assigned Date:** The date the assignment was delegated to the user.
- **Assigned By:** The user who created the assignment.
- **Assigned To:** The user who is responsible for completing the assignment.
- **Due Date:** The date the assignment must be completed.
- **Assignment Type:** The nature of the assignment, such as Correction Notice, Follow-up Activity, Information Request, Investigative Action, or Verification.

- **Message:** The details of the assignment.

Assignments							
View All Export Go To - PPMI-2009-000260 Reset Layout Clear Filter							
Completed?	Number	Assigned Date	Assigned By	Assigned To	Due Date	Assignment Type	Message / Task
<input checked="" type="checkbox"/>	CCWI-2011-02-00057	24/02/2011	St. Jean, Clint	111, Admin		Follow-up Activity	
<input checked="" type="checkbox"/>	CCWI-2011-02-00057	24/02/2011	St. Jean, Clint	111, Admin		Follow-up Activity	
<input checked="" type="checkbox"/>	CCWI-2011-02-00057	22/02/2011	St. Jean, Clint	111, Admin		Follow-up Activity	
<input type="checkbox"/>		2010	St. Jean, Clint	180, Deb F		Follow-up Activity	
<input checked="" type="checkbox"/>		2010	St. Jean, Clint	180, Deb F		Follow-up Activity	
<input type="checkbox"/>		2010	Jabbar, Abdul	St. Jean, Clint		Follow-up Activity	
<input type="checkbox"/>	INCL0000000172	02/08/2007	Kemper, Dale	St. Jean, Clint	30/11/2007	Follow-up Activity	Attend court for thi

You may perform a number of assignment-related tasks directly from your Dashboard:





- To add an assignment to your email application's calendar, select the assignment and click **Export** . A window will open allowing you to schedule the assignment using external applications.
- To open an assignment's corresponding Activity, Incident, or Case record, double-click the assignment record, or highlight the assignment and click **Go To** . Perspective will leave Dashboard and advance to the applicable record in Data Forms.
- Once the assignment has been completed, highlight the assignment on the Dashboard, then right-click and select **Mark Completed**. A pop-up window will appear asking if you would like to send the Assigned By person an email notifying them of the assignment's completion. Click **Yes** or **No**.
- By default, only incomplete assignments will appear in the Assignments section of the Dashboard. To display all assignments, complete and incomplete, click **View All**. Click **View All** again to hide completed assignments.



Like the other grids, Perspective provides several sorting options for Assignments:

- To reorder the grid columns in the Assignments section, drag the column headings to the desired location. Drop them into place once the indicator arrows have appeared pointing to the correct spot. To reset the order of columns to their default position, click **Reset Layout** .
- To sort assignments by a particular column (e.g., Incident Number, Assignment Type, Due Date), click the column heading once. Click the heading again to sort the data in reverse order. Click **Clear Filter** to return to the unsorted view.




- To group assignments by Assigned Date, Assigned By, Assigned To persons, Due Date, Assignment Type, or to group complete and incomplete assignments separately, click the thick vertical bar located at the top of the Assignments grid and drag the relevant column heading to the **Group By Area**. In our example, assignments have been grouped by their status as either “complete” (True) or “incomplete” (False). If necessary, you may build up on internal grouping, dragging additional headings to the blue field and arranging them in the required hierarchy. For instance, you may group the complete and the incomplete assignments by Assigned By persons, and so on. Click **Clear Filter** to return to the default view.

Assignments





View All  Export  Go To...  Reset Layout  Clear Filter

Completed?  Assigned By 

False (3 items)

Completed?	Number	Assigned Date	Assigned By	Assigned To	Due Date	Assignment Type	Message / Task
	PPMI-2009-000260	01/10/2010	St. Jean, Clint	180, Deb F		Follow-up Activity	
	LACP-2010-000012	27/09/2010	Jabbar, Abdul	St. Jean, Clint		Follow-up Activity	
	INCD0000000172	02/08/2007	Kemper, Dale	St. Jean, Clint	30/11/2007	Follow-up Activity	Attend court for th

True (4 items)

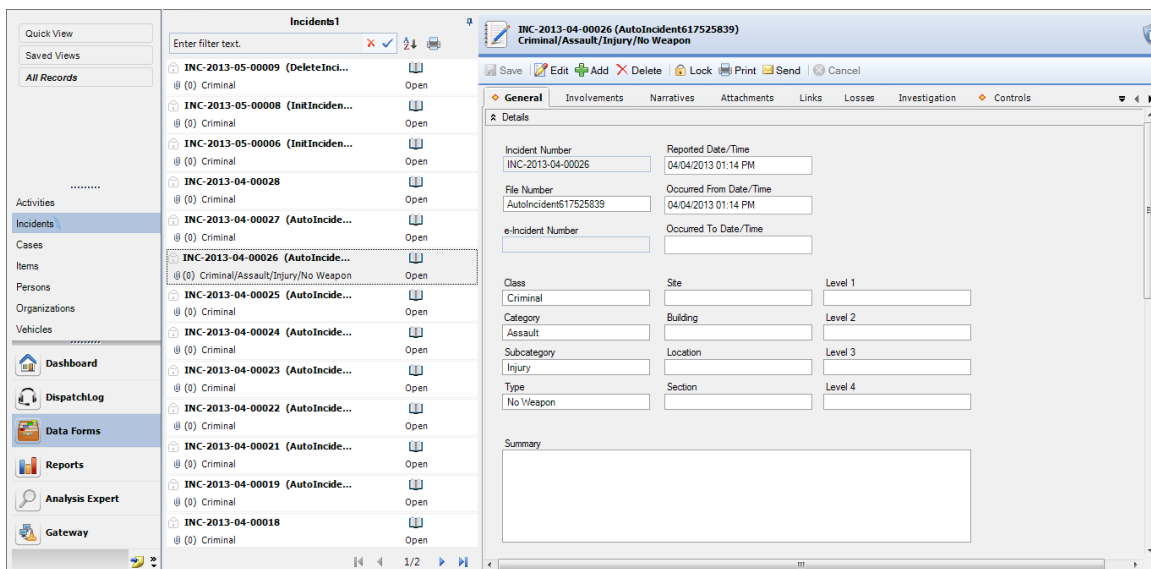
Completed?	Number	Assigned Date	Assigned By	Assigned To	Due Date	Assignment Type	Message / Task
	CCWI-2011-02-00057	24/02/2011	St. Jean, Clint	111, Admin		Follow-up Activity	
	CCWI-2011-02-00057	24/02/2011	St. Jean, Clint	111, Admin		Follow-up Activity	
	CCWI-2011-02-00057	22/02/2011	St. Jean, Clint	111, Admin		Follow-up Activity	
	PPMI-2009-000260	01/10/2010	St. Jean, Clint	180, Deb F		Follow-up Activity	

Data Forms

Data Forms is the data entry component of Perspective. These data are used for analysis and comparison to create reports and charts. Information in the Data Forms is organized into sections, so it is easy to find, review, and update records. The data forms include Activities, Incidents, Cases*, Items, Persons, Organizations, and Vehicles. To access the Data Forms component, select it from the bottom part of the Navigation pane.

User Interface

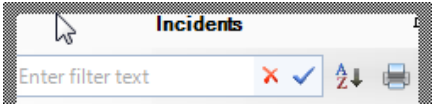
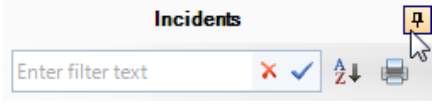


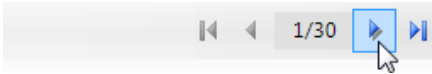
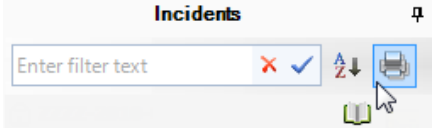
The Data Forms interface is divided into three sections: Navigation pane, Listing pane, and Viewing pane.



1. **Navigation pane:** Allows you to move between the various data forms (e.g., Activities, Incidents, Items). To display a particular record subset in the middle Listing pane, choose a data form from the Navigation pane and select your record view (i.e., specify a Quick View, view All Records, or select a view from the Saved Views menu).
2. **Listing pane:** Provides a list of records that are available for viewing. Once you select a record in the Listing pane, the corresponding record information will be displayed in the Viewing pane on the right.

* The Case component is available in the ICM and EIM editions of Perspective.

Listing Pane


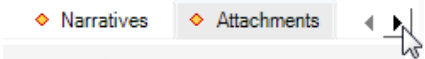
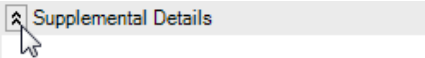


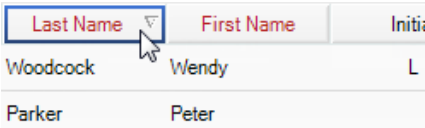
<p>Change the orientation of the current component's (e.g., Incidents) Listing pane by dragging it to a different part of the screen. Display the pane in a separate dialog by double-clicking it or dragging it outside of the screen. To dock it back in, double-click the pane.</p>	
<p>To hide the Listing pane, click the Auto Hide pin icon. Once the pane is hidden, access it by clicking the pane's newly-created shortcut button on the left side of the screen, and "unpin" it by clicking the pin icon again.</p>	
<p>If Perspective displays a list of entities (e.g., incidents, persons) that consists of multiple pages, use the left/right navigation arrows at the bottom of the list, or type a page number in the Page field, to move through the pages. The total number of pages will be provided for your reference. To quickly move to the first or the last page, click the first arrow  or the last arrow  icons respectively.</p>	
<p>To print the record list as it appears in the Listing pane, click the Print button located at the top of the Listing pane.</p>	

3. **Viewing pane:** Displays information of a record selected in the Listing pane and provides options for saving, editing, adding, deleting, (un)locking, printing, sending, and merging individual records.

Note: Merge is only available for the Item, Person, Organization, and Vehicle records.

Every record consists of a set of customized forms and subforms designed specifically for the data form type. For example, a Person record contains a separate Contact(s) tab, which is absent in such data forms as Vehicles or Items.

Viewing Pane

To view a particular segment of a selected record (e.g., Narratives), click the appropriate tab at the top of the record. The diamond symbol appearing on a tab indicates that the tab contains data. Tabs without the diamond symbol contain no saved data.	
View more tabs. If these arrows appear next to a row of tabs in a form, there are more tabs available than are currently visible on-screen.	
Expand or collapse a section to view or hide its contents.	
To resize a grid column, place the cursor between column headings. When an arrow appears, drag the column border to the desired width. To resize a column to fit its content, double-click the border of the column.	
To reorder the grid columns, drag the column heading to a new position. Drop it into place once the thick arrows have appeared, pointing to the correct spot.	
To sort the grid data by a particular column, click the column heading once. Click it again to sort the data in reverse order.	

Navigating Data Forms Overview

Every data entry/editing action in Data Forms requires you to first choose one data form type in which you intend to work in: Activities, Incidents, Cases (ICM and EIM only), Items, Persons, Organizations, or Vehicles.

Navigating the Data Forms component is a logically flowing process:

1. Select the appropriate data form type by clicking the corresponding banner located in the bottom part of the Navigation pane.
2. Using the **Quick View**, **Saved Views**, and **All Records** buttons located at the top of the Navigation pane, manage the view of the records displayed in the Listing pane. Here you may choose from either displaying all records, or a subset of records, with an option to filter and save the view for future reference.

3. Select an existing record from the Listing pane, or create a new record for the chosen data form type (e.g., a new Incident record).
4. Enter and/or modify the data contained in your active record.
5. Print your record in the form of a report.

The following chapters will address the options available for each of these steps in greater detail.

Select a Data Form

Activities Form

Use this form to create records of dispatched activities, or to manage activities imported from DispatchLog (refer to the [Perspective DispatchLog](#) chapter for more information). Before creating a new record, do a record search to ensure that the information has not already been entered.

Activities Form

General
<ul style="list-style-type: none"> Specify the category, priority, and location of the dispatched activity. Track the times of the dispatching progress. Identify the persons directly involved in the processing of the activity. Fill in the user-defined fields required by your organization. Post notes on the activity tracking progress.
Responses
Officer Responses
<ul style="list-style-type: none"> View, create a new, or edit the details of an existing officer response to the selected activity.
Organization Responses
<ul style="list-style-type: none"> View, create a new, or edit the details of an existing organization response to the selected activity.
Requests
<ul style="list-style-type: none"> Note an action request sent to an organization in response to the selected activity.
Involvements
Persons
<ul style="list-style-type: none"> Identify all persons involved in the activity. Record injuries sustained during the activity.

<ul style="list-style-type: none"> Flag the involved person.
Organizations
<ul style="list-style-type: none"> Identify all organizations involved in the activity.
Vehicles
<ul style="list-style-type: none"> Document all vehicles involved in the incident.
Items
<ul style="list-style-type: none"> Identify all items involved in the incident.
Attachments
<ul style="list-style-type: none"> Attach a file to the Activity record.
Links
Activity Links
<ul style="list-style-type: none"> Link the activity to another activity.
Incident Links
<ul style="list-style-type: none"> Link the activity to an incident.
Controls
Details
<ul style="list-style-type: none"> Set security controls and status of the Activity record. Define which workgroups can access the Activity record.
Standard Operating Procedures
<ul style="list-style-type: none"> Review the Standard Operating Procedures available for the activity's call category, site, and/or status. Check off complete procedures, view relevant attachments, and access related links. View mass notifications and/or email notifications sent in relation to the activity.
Assignments
<ul style="list-style-type: none"> Give an activity-related assignment to another user.
Audit History
<ul style="list-style-type: none"> View the history of all changes made to the Activity record. Visibility of Audit History depends on user permissions.

Incidents Form

Use this form to record the details of an incident and track the progress of its investigation. Every Incident record is given a unique number so it is easy to find, identify, and organize. Before creating a new record, do a record search to ensure that the information has not already been entered.

Incidents Form

General
<ul style="list-style-type: none"> • Create a new Incident record. • Indicate which authorities have been notified of the incident. • Flag the incident.
Involvements
<i>Persons</i>
<ul style="list-style-type: none"> • Identify all persons involved in the incident. • Record injuries sustained during the incident. • Record an involved person's clothing details. • Flag an involved person. • Add losses, recoveries, or potential no impact losses associated with an involved person, and review their summary.
<i>Organizations</i>
<ul style="list-style-type: none"> • Identify all organizations involved in the incident. • Note an action request sent to an organization. • Log organization response details. • Add losses, recoveries, or potential no impact losses associated with an involved organization, and review their summary.
<i>Vehicles</i>
<ul style="list-style-type: none"> • Document all vehicles involved in the incident. • Add losses, recoveries, or potential no impact losses associated with an involved vehicle, and review their summary.
<i>Items</i>
<ul style="list-style-type: none"> • Identify all items involved in the incident. • Add losses, recoveries, or potential no impact losses associated with an involved item, and review their summary.
Narratives
<ul style="list-style-type: none"> • Add procedure summaries (e.g., Executive Summary, Follow-up, or Interview) to the

Incident record.
Attachments
<ul style="list-style-type: none"> • Attach a file to the Incident record.
Links
<ul style="list-style-type: none"> • Link the incident to another incident. • Link the incident to a case (Perspective ICM and EIM only). • Link the incident to an activity.
Losses
<ul style="list-style-type: none"> • Record losses (i.e., Losses, Recoveries, and No Impact losses) involved in an incident. • View a summary of losses involved in the incident.
Investigation (ICM and EIM only)
<i>Details</i>
<ul style="list-style-type: none"> • Open a new incident investigation. • View a summary of the incident's key investigative data. • Assign an investigator to the incident's investigation.
<i>Summaries</i>
<ul style="list-style-type: none"> • Summarize the incident's investigation.
<i>Logs</i>
<ul style="list-style-type: none"> • Log investigative tasks and expenses for the incident.
<i>Interviews</i>
<ul style="list-style-type: none"> • Document investigation interviews for the incident.
<i>Evidence/Property</i>
<ul style="list-style-type: none"> • Track investigation evidence for the incident, including the evidence chain of custody.
Controls
<i>Details</i>
<ul style="list-style-type: none"> • Set security controls and status of the Incident record. • Define which workgroups can access the Incident record.
<i>Outcome</i>
<ul style="list-style-type: none"> • Describe the incident's causes and subsequent policy changes or corrective actions.

Reviews
<ul style="list-style-type: none"> Document an incident-related review.
Assignments
<ul style="list-style-type: none"> Give an incident-related assignment to another user.
Audit History
<ul style="list-style-type: none"> View the history of all changes made to the Incident record. Visibility of Audit History depends on user permissions.

Cases Form (Perspective ICM and EIM Only)

Use this form to record the details of a case, track the progress of its investigation, and access information on its linked incidents. Every Case record is given a unique number so it is easy to find, identify, and organize. Before creating a new record, do a record search to ensure that the information has not already been entered.

Cases Form

General
<ul style="list-style-type: none"> Create a new Case record. Assign an investigator to the case's investigation. View a quick summary of the case's key data.
Involvements
<i>Persons, Organizations, Vehicles, and Items</i>
<ul style="list-style-type: none"> View all persons, organizations, vehicles, or items involved in the case's linked incidents.
Narratives
<ul style="list-style-type: none"> Summarize the case or an incident linked to the case.
Attachments
<ul style="list-style-type: none"> Attach a file to the case or an incident linked to the case.
Links
<ul style="list-style-type: none"> Link the case to an incident. Link the case to another case.
Losses

<ul style="list-style-type: none"> View a summary of losses, recoveries, and no impact losses involved in the case's linked incidents.
Investigation
<i>Details</i>
<ul style="list-style-type: none"> View key investigative data from the case's linked incidents.
<i>Summaries</i>
<ul style="list-style-type: none"> Summarize the case's investigation or the investigation of an incident linked to the case.
<i>Logs</i>
<ul style="list-style-type: none"> Log investigative tasks and expenses for the case or an incident linked to the case.
<i>Interviews</i>
<ul style="list-style-type: none"> Document investigation interviews for the case or an incident linked to the case.
<i>Evidence/Property</i>
<ul style="list-style-type: none"> Track investigation evidence for the case or an incident linked to the case.
Controls
<i>Details</i>
<ul style="list-style-type: none"> Set the security controls and status of the Case record. Define which workgroups can access the Case record.
<i>Reviews</i>
<ul style="list-style-type: none"> Document a case-related review.
<i>Assignments</i>
<ul style="list-style-type: none"> Give a case-related assignment to another user.
Audit History
<ul style="list-style-type: none"> View the history of all changes made to the Case record. Visibility of Audit History depends on user permissions.

Items Form

Use this form to record the details of an item. Before creating a new record, do a record search to ensure that the information has not already been entered.

Items Form

General
<ul style="list-style-type: none"> • Create a new Item record.
History
<ul style="list-style-type: none"> • View the incidents the item has been involved in. • Add an incident associated with the item into a case.
Attachments
<ul style="list-style-type: none"> • Attach a file to the Item record.
Controls
<i>Details</i>
<ul style="list-style-type: none"> • Set security controls for the Item record. • Define which workgroups can access the Item record.
Audit History
<ul style="list-style-type: none"> • View the history of all changes made to the Item record. Visibility of Audit History depends on user permissions.

Persons Form

Use this form to record the details of a person. Every person, from general maintenance users to suspects and officers, must have their own record. Records can be created for persons who have the same name, as well as for persons who are unknown. Before creating a new record, do a record search to ensure that the information has not already been entered.

Persons Form

General
<ul style="list-style-type: none"> • Create a new Person record. • Note the person's unique features or distinguishing marks. • Record the person's identification details. • Document the person's trespass details. • Flag the person.
Contact(s)
<ul style="list-style-type: none"> • List the person's known addresses, phone numbers, and email addresses.
Links
<ul style="list-style-type: none"> • Link the person to another person. • Link the person to an organization. • Link the person to a vehicle.
History
<ul style="list-style-type: none"> • View the incidents the person has been involved in. • Add an incident associated with the person into a case.
Attachments
<ul style="list-style-type: none"> • Attach a file to the Person record.
Controls
<i>Details</i>
<ul style="list-style-type: none"> • Set security controls for the Person record. • Define which workgroups can access the Person record.
Audit History
<ul style="list-style-type: none"> • View the history of all changes made to the Person record. Visibility of Audit History depends on user permissions.

Organizations Form

Use this form to record the details of an organization. Before creating a new record, do a record search to ensure that the information has not already been entered.

Organizations Form

General
<ul style="list-style-type: none"> • Create a new Organization record.
Contact(s)
<ul style="list-style-type: none"> • List the organization's known addresses, phone numbers, and email addresses.
Links
<ul style="list-style-type: none"> • Link the organization to a person. • Link the organization to another organization. • Link the organization to a vehicle.
History
<ul style="list-style-type: none"> • View the incidents the organization has been involved in. • Add an incident associated with the organization into a case.
Attachments
<ul style="list-style-type: none"> • Attach a file to the Organization record.
Controls
<i>Details</i>
<ul style="list-style-type: none"> • Set security controls for the Organization record. • Define which workgroups can access the Organization record.
Audit History
<ul style="list-style-type: none"> • View the history of all changes made to the Organization record. Visibility of Audit History depends on user permissions.

Vehicles Form

Use this form to record the details of a vehicle. Before creating a new record, do a record search to ensure the information has not already been entered.

Vehicles Form

General
<ul style="list-style-type: none"> Create a new Vehicle record.
Links
<ul style="list-style-type: none"> Link the vehicle to a person. Link the vehicle to an organization. Link the vehicle to another vehicle.
History
<ul style="list-style-type: none"> View the incidents the vehicle has been involved in. Add an incident associated with the vehicle into a case.
Attachments
<ul style="list-style-type: none"> Attach a file to the Vehicle record.
Controls
Details
<ul style="list-style-type: none"> Set security controls for the Vehicle record. Define which workgroups can access the Vehicle record.
Audit History
<ul style="list-style-type: none"> View the history of all changes made to the Vehicle record. Visibility of Audit History depends on user permissions.

Common Record Functions

Although most data entry operations are specific to the individual data forms and will be described under the corresponding sections (e.g., Incidents, Activities, Items), some functions are identical for a number of data forms, and these will be described only once and then cross-referenced throughout this guide. For instance, as you proceed through the Case data form, you will notice that procedures for some operations for cases are identical to the ones that are available for incidents. Whenever this is so, the “Cases” section will provide cross-references to

the relevant chapters in the “Incidents” section instead of the full descriptions of the corresponding operations.

The common record functions/forms include the following:

- Recording related contact information (the **Contact(s)** tab).
- Specifying all involvements of an occurrence (the **Involvements** tab).
- Reviewing related record's involvements (the **History** tab).
- Linking a record to another record (the **Links** tab).
- Attaching a file to a record (the **Attachments** tab).
- Setting major record's control options (the **Controls** tab).
- Auditing the changes made to a record (the **Audit History** tab).
- Merging records' duplicated data (the **Merge** button).

Manage Record Views

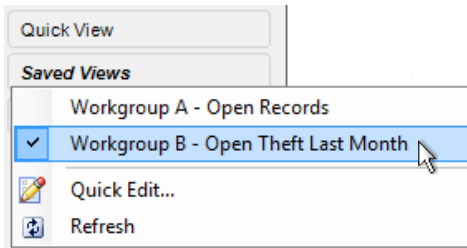
Display All Records in the Listing Pane

1. In the Navigation pane, choose the record entity you intend to work on (e.g., Incidents).
2. To display all of the entity's records in the Listing pane, with no filters applied, click **All Records**.



Access a Saved Record View

1. In the Navigation pane, choose the record entity you intend to work on (e.g., Incidents).
2. Click **Saved Views** and select the particular record view that you want to access.
 - The record view will now appear in the Listing pane.




Create and Save a New Record View

1. In the Navigation pane, choose the record entity you intend to work with (e.g., Incidents).
2. In the view menu, click **Quick View**.
 - The Record Views window will open. This is where you specify the parameters of your record view.
3. Click the **Add** button in the Saved Views section.
4. Type a name for your customized view in the active **Enter View Name** field.
5. Customize your desired view starting with the **Workgroups** section.
 - By default, the All Workgroups box is checked to include records for all workgroups in your customized view. If you want to restrict your view to the records of a particular group, uncheck the All Workgroups box and proceed to select the desired workgroups.

The screenshot shows the 'Record Views' dialog box. It has sections for 'Saved Views', 'Criteria', 'Order By', and a table of records. The 'Criteria' section is currently set to 'Case Number' with an 'equal' operator and an empty value field. The 'Order By' section is set to 'Descending'. The table below shows 9 rows of data with columns: Row Nu, Case N, Case N, Status, Status, Case, Case, Acces, Access, Org Rollup, Org Rol, Attach, Case Category, Case C, and Lock.

Row Nu	Case N	Case N	Status	Status	Case	Case	Acces	Access	Org Rollup	Org Rol	Attach	Case Category	Case C	Lock
1	CASE-	18031	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
2	CASE-	Init621	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
3	CASE-	18022	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
4	CASE-	18032	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
5	CASE-	Init220	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
6	CASE-	18025	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
7	CASE-	18031	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
8	CASE-	Init199	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	
9	CASE-	Test C	7fb3d0c7-0929-4aec	Open	2013		5	Level 5			0	b2bf4fca-f21d-4e8c-	Interna	

6. Specify the **Criteria** for your view:

- In the top **Field Name** lookup list, select the field that you want to set as the main criterion for narrowing your record view.
- Choose an **Operator** for the field (e.g., “equal” (=), “greater than” (>), “less than or equal to” (<=), “starts with”, “like”).
- Enter the compared criterion Value. If the **Selector** button  is available, click it to display a tree of Value options in a separate window. For example, if you are creating a Saved View of Incident records and your chosen Field Name is Access Level, you may select an Operator of “equal” (=) and a Value of Level 2, in order to restrict your view to only those records with an Access Level 2.

Note: You may choose any node of the tree as the defining criterion, making your comparison value as narrow hierarchically as you want. For example, when specifying a Value for the Class Rollup, you may select any node in the Class Rollup hierarchy, ranging from the broadest category values, like “Criminal”, to the narrowest sub-class type values, like “Company Property/Over \$1000”.



If you choose to select a date field in the Field Name lookup list, you have the option of using a floating date (e.g., Yesterday), rather than a fixed date to narrow your record view by. The **Floating Date** checkbox is only visible once a date field has been selected. For example, if you want your view to display incident activity that occurred during a floating period of a previous month, choose "Occurred From Date/Time" as Field Name, "*equal*" (=) as the Operator, and then check the Floating Date box and select "Previous 30 Days" as your Value.

- d. If you want to include an additional field in your record view criteria, select the **And** or **Or** radio buttons and complete the Field Name, Operator, and Value fields below. You may include up to four fields in your record view criteria.

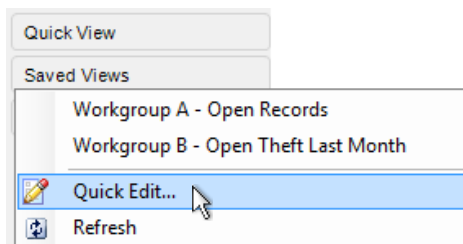
To specify a static date range, specify two temporal criteria (e.g., one for the "*greater than*" (>), and one for the "*less than or equal to*" (<=) Operator), using the **And** logic between them to combine the criteria into a set date range.

7. Choose a display order for your record view by selecting a field from the **Order By** lookup list (e.g., order records by Incident Number, Access Level, Status).
8. Select either the **Ascending** or **Descending** radio button to further define the record order.
 - The ascending radio button lists the records according to the chosen Order By field in alphabetical order, or from lowest number to highest. The descending radio button lists the records according to the selected Order By field in reverse alphabetical order, or from highest number to lowest.
9. Include archived records in your record view by checking **Include Archived Records**.
10. Click the **Preview** button to generate a list of records meeting your set criteria in the order specified.
 - The number of records found will be provided under Page Results.
11. To quickly view a particular record in read-only mode, select the record in the Preview list and click **View**.
 - A separate window will open with the record details displayed.
12. If you want to save the record view for future use, complete the **Saved Views** section. Otherwise, proceed to the next step. Perspective provides three saving options for your newly created view:
 - To save your record view for future use in Perspective, click Save. Your newly-created record view will now be available under the Saved Views menu.
 - If you want to set this customized view as your default view (the record view that will automatically load each time you enter this data form), click the Set as default view box, and click Save again.

- To save your record view as an XML or TXT file, click **Save View As** and select the location for the export. The record will be assigned an automatically generated number.
13. To return to the Data Forms window and transfer your record view to the Listing pane, click the **Select** button.
 14. Click on a record in the Listing pane to display it in the Viewing pane.
 - If you clicked on a particular record in the Record Views window prior to clicking **Select**, the record will be highlighted in the Listing pane and will already be opened in the Viewing pane.

Edit an Existing Record View

1. In the Navigation pane, choose the record entity you intend to work on (e.g., Incidents).
2. Expand the **Saved Views** menu.
3. Select **Quick Edit**. The Record Views window will open.
4. If you have not yet opened a saved record view and your Listing pane is blank, select an existing view you want to edit under the **Saved Views** menu.
 - Its settings will be displayed. However, if your Listing pane displays a selected record view, the Record Views window will open with the active record view's parameters displayed.



5. Modify the parameters as required. For options, see the [“Create and Save a New Record View”](#) section in the current chapter.
6. To save the view replacing the parameters previously set, click **Save**.

To save the modified record view as a new view, complete the **Saved Views** section, as follows:


- a. Click **Add**. A pop-up will appear asking you if you want to clear the current view criteria.
- b. Click **No** to save the criteria specified. If you click **Yes**, the view will be reset to its original settings.
- c. Type a name for your edited view in the active **Enter View Name** field. This way, when you save your new view, it will not overwrite the original view.

- d. Click **Save**. Your newly-created record view will now be available in the Saved Views menu.

If you do not want to save the modified view, proceed to the next step.

6. To return to the Data Forms window and transfer your record view to the Listing pane, click the **Select** button.
7. Click on a record in the Listing pane to display it in the Viewing pane.
 - If you clicked on a particular record in the Record Views window prior to clicking Select, this record will be highlighted in the Listing pane and will already be opened in the Viewing pane.



If you opened an existing view in the Listing pane, made changes to it, saved it, and then re-opened the modified view, you may need to click the **Refresh** button  in the **Saved Views** menu to refresh the view of your Listing pane with the new settings.

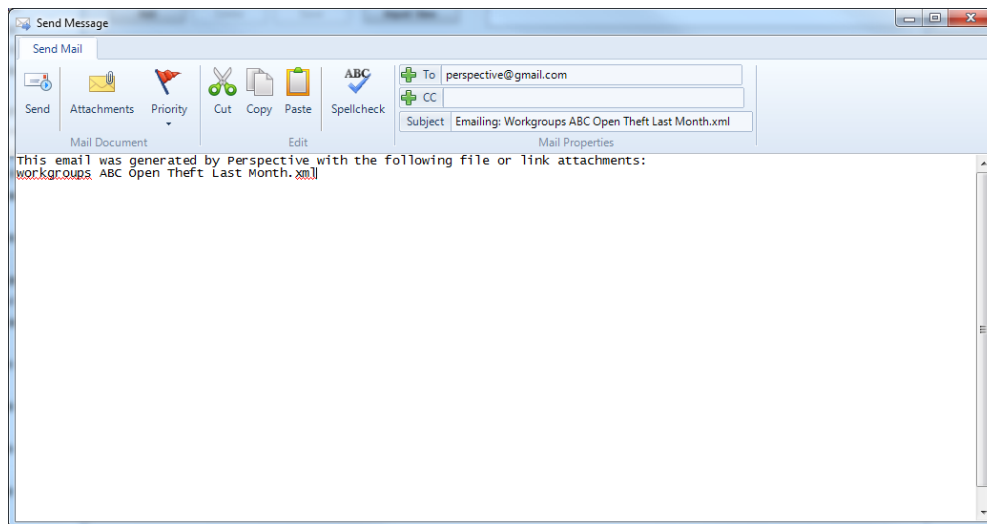
Import a View

1. In the Navigation pane, choose the record entity you intend to work on (e.g., Incidents).
2. Click **Quick View** in the Navigation pane.
3. In the Record Views window, click the **Import View** button and browse for the file that contains the view in XML or TXT format that you want to import.
 - Once you import the view, its settings will be displayed.
4. Optionally, modify the parameters of the newly imported view and/or save them under a new view name. For editing and saving options, please see the [“Create and Save a New Record View”](#) section in the current chapter.
5. Click the **Select** button to transfer your record view to the Listing pane.
6. Click on a record in the Listing pane to display it in the Viewing pane.
 - If you clicked on a particular record in the Record Views window prior to clicking Select, this record will be highlighted in the Listing pane and will already be opened in the Viewing pane.

Email a Record View

1. In the Navigation pane, choose the record entity you intend to work on (e.g., Incidents).
2. Click **Quick View** in the Navigation pane.
3. In the Record Views window, specify the settings of a new record view and save them, as described above, or select an existing view you want to email in the **Saved Views** menu.

4. Click the **Export Via Email** button.
 - A Send Message window will open with your view specifications formatted as an XML attachment.
5. Edit the text of the original message, review attachments, and set the message priority, as needed.
6. Specify the recipient's email address.
7. You may type in a recipient's email address directly into the To and/or CC fields, or import a contact from Perspective's database by clicking To and/or CC and selecting a person from the displayed Entity List.
 - The Entity List will be populated with user records that contain an email address with the **Primary Email** box checked.
8. Click **Send**.
9. Close the Record Views window to return to the Data Forms window.




Delete a Record View






1. In the Navigation pane, choose the record entity you intend to work on (e.g., Incidents).
2. Expand the Saved Views menu
3. Click **Quick Edit**. The Record Views window will open.
4. If you have not yet opened a saved record view and your Listing pane is blank, select an existing view you want to edit under the **Saved Views** menu.
 - Its settings will be displayed. However, if your Listing pane displays a selected record view, the Record Views window will open with the active record view's parameters displayed.

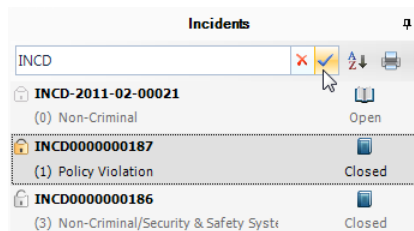
5. Click the **Delete** button.
6. In the Delete confirmation box, click **Yes**.
7. Close the Record Views window to return to the Data Forms window.

Select a Record From the List

If the record database displayed in the Listing pane exceeds three pages, you may consider further filtering the record list using the following sorting options:

- Use the **A to Z** sorting icon  located at the top of the Listing pane to switch the record list view in the Listing pane between the ascending and the descending alphanumeric order.

Note: If you are using a Quick View or a Saved View and want to re-sort your records list, you must use the Order By and Ascending/Descending options available in the Record Views window.
- If you know a part of the name or number of the required record(s), enter a string of alphanumeric characters in the filter field at the top of the Listing pane. Since this function only filters text in the record name (e.g., the incident number, person name, vehicle license plate number), the filter string must correspond to a supposed part of the record number that you require (e.g., INCD00 or 18 for the record numbers INCD000000187, INCD00100185). To apply the filter, click the **checkmark** icon . To remove the filter, click the clear icon  and then the checkmark icon, to view the original list.
- Use the visual cues provided for each record entry to select the record that best suits your needs. In the Listing pane, records are displayed as either **locked from editing** , **unlocked from previous locking** , or as **unaltered** , the latter meaning that the record has never been locked before. The number of files attached to a record is displayed in parentheses. The status of the record may be displayed as either “Closed” or “Open”. Drawn from the Controls tab, a record’s “Closed” status generally means that the record has been processed up to a point where no further action is required. By default, records are created as “Open”.











Once you have found the record you would like to work with, click on the record entry in the Listing pane to display it in the Viewing pane.







Note: If you clicked on a particular record in the Record Views window prior to clicking Select, this record will be highlighted in the Listing pane and will already be opened in the Viewing pane.

Enter and/or Edit Record Data

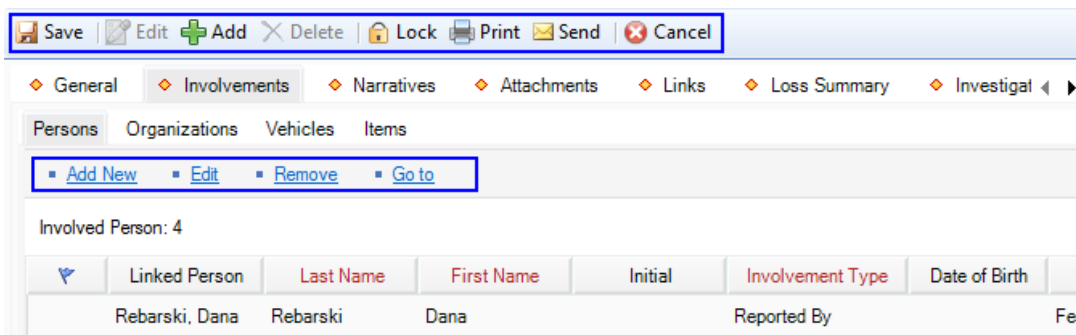
Depending on the data form that is currently open and on your user privileges, a variety of buttons are available on the Viewing pane toolbar, allowing you to perform a number of record functions.


Viewing Pane Toolbar

 Save	Saves changes made to a record.
 Edit	Switches a record into the “edit” mode. After clicking Edit, select the field you want to edit and make the necessary change.
 Add	Creates a new record from scratch.
 Delete	Removes an entire record from the database.
 Lock	Bars a record from editing.
 Unlock	Makes a record available for editing. (This button will only appear if the record is currently locked.)
 Print	Prints, displays, or saves the PDF copy of a record in the report form. After clicking Print, specify which part of the report you would like to print. On the Report Visibility form, specify which record sections you would like included in the report and whether you want to download attachments, and then click OK. Finally, choose to either view a printable copy of the report (Open) or save a copy of the report to the location of your choice (Save).
 Send (Activity, Incident, and Case forms only)	Emails record details. After clicking Send, a new email window will open with general record details included in the body of the message. To format the message details in plain text rather than the default HTML table, click the Format icon. Specify the user or email address you would like the message to be delivered to, review the message details, and click Send . For further details on operating the Send Message editor, consult “Appendix B: Text Editor Navigation” at the end of this guide.

 Merge  (Items, Persons,  Organizations,  and Vehicles forms only)	Merges partially duplicate records that correspond to a single physical referent that is an item, a person, an organization, or a vehicle. The function is represented by the Merge Items, Merge Persons, Merge Organizations, and Merge Vehicles buttons on the respective Viewing pane toolbars. For details on merging of records, see the “Merge Records” section.
 Cancel	Switches the record from “edit” to “read-only” mode without saving changes.
 Audit	To find out who created the record (Created By) and who last modified it (Last Modified), click the record’s top shield icon. To access similar information for one of the record’s entities (e.g., a specific Narrative or an Involved Person entry), select the appropriate entity in the grid and hover your mouse over the bottom shield icon. You may also click the icon to view the information in a pop-up window with added detail.

Some tabs consist of sub-tabs for further grouping of the data contained within. Whenever data in tabs is further subdivided into sub-tabs, Perspective enables editing of the sub-tabbed data (e.g., Involved Persons) with an additional sub-tab-specific toolbar. The quantity and the names of the functions included in this toolbar vary depending on the type of information contained in the sub-tab, although they may be similar to the ones performed by the buttons included in the Viewing pane toolbar.



To start editing details inside the record, you have to first put the record into the “edit” mode by clicking **Edit**  on the Viewing pane toolbar. Then, to apply changes to a record’s entity (e.g., an Involved Person), select the entity in the grid and use the functions displayed in the sub-tabbed toolbar. The following table presents the common functions that are available in all data form types (the rest of the buttons that you may encounter in a sub-tabbed toolbar will be discussed in sections that describe the specific entities in detail).

Common Data Form Functions

Edit	Opens a pop-up form that contains the data of the entity. Make necessary changes to the fields (or plain text) in the form and click OK (or Accept & Return) to return to the main record.
Add New	Creates a new entity within a record (e.g., a new Involved Person entity).
Remove	Removes an entity within a record (e.g., an invalid Involved Person entity).
Go To	Opens an entity's corresponding record, typically, in a different data form component. For example, "going to" the Involved Person entity involves opening the associated editable Person record in the Persons component of Perspective. In order to return the original data form (i.e., Incidents), select the required component from the Navigation pane. The views of both forms will be preserved.
Read/View	The Read and View options function similarly to Go To, with the only difference being that they open the entity in a read-only mode, where you may be able to zoom its contents, and/or print it, but not edit it. View allows an attachment to be saved to your computer, or opened and viewed in an appropriate application (i.e., an attached .doc file would open in Microsoft Word). You may scroll through the other entities of the same type (e.g., narratives, investigation summaries), without leaving the pop-up window, using the Previous and Next buttons.
Seal/Unseal	Removes/restores editing rights from/for an entity. <i>Note: Once you seal the entity, and then save and leave the corresponding record, it can never be unsealed. A new entity must be created in order to record amendments to the original one. Even if an entity is left unsealed, the Author is the only user authorized to edit the entity, unless special privileges have been granted to another user to do so. (If this button is not visible to you, your Administrator has not granted you the right to seal entities.)</i>
History	To see the history of incidents in which a particular case-involved person, organization, vehicle, or item has been involved, select the entity of interest in the grid and click History. A new window will appear that displays a table of the entity's involvement in the incidents stored in your organization's Perspective database. For further details, see the " View All Case's Involvements " section. <i>Note: The Case component is available in Perspective ICM and EIM only.</i>


In a new data form, field with red titles are required to be completed (Figure 3.2.9). If you save the record before completing all required fields, the system will display a system message requesting completion of these fields. To see the classification and navigation of the available field types, see [“Appendix C: Data Field Types”](#) at the end of the guide.

Note: Your organization's data forms may contain additional fields, the so-called “User Defined Fields”. Usually, they appear under a separate like-named section. These fields will require entering additional pieces of information that may not be covered in this guide.

Incidents

Create a New Incident Record

Note General Details of the Incident

1. Click the **Add** button  in the Viewing pane toolbar.
 - Perspective will automatically assign an Incident Number when the record is saved. The e-Incident Number field is reserved for electronic reports that have been accepted from the Gateway into Perspective. Once the report is accepted as a valid Incident record, it is automatically assigned a new Perspective Incident Number, while its original e-Incident Number is preserved for cross-referencing purposes.
2. If applicable, input a file or reference number under **File Number**.
3. Indicate when the incident was reported to supervisors under **Reported Date/Time**.
4. Note when the incident began under **Occurred From Date/Time** and when the incident ended under **Occurred To Date/Time**.
 - The Incident Duration will automatically be calculated when the record is saved.
5. Identify the incident's classification using the **Class**, **Category**, **Subcategory**, and **Type** lookup lists.
 - These fields are hierarchical, meaning that the option selected in the first field (i.e., Class) determines the options that are available in the second field (i.e., Category) and so on. The options that appear in these lists have been customized by your organization.

- Specify where the incident occurred by making selections from the **Site**, **Building**, **Location**, and **Section** lookup lists.
 - Like the fields in the incident's classification section, these fields are hierarchical.
6. Identify which business unit the incident affected by selecting options from the **Level 1** to **Level 4** lookup lists, if applicable.
 7. Type a brief overview of the incident in the **Summary** box.
 - To enter a more detailed description of the incident, outline the sequence of events under the Narratives tab.

{ New Incident9 }

Save | Edit | Add | Delete | Lock | Print | Send | Cancel

General | Involvements | Narratives | Attachments | Links | Losses | Investigation | Controls

Details

Incident Number: ADM I-2013-000174 | Reported Date/Time: 08/14/2013 11:53 AM

File Number: TH-3012-B | Occurred From Date/Time: 08/13/2013 11:25 AM

e-Incident Number: | Occurred To Date/Time: 08/13/2013 12:02 PM | Incident Duration:

Class: Criminal | Site: Engineering | Level 1: APAC

Category: Assault | Building: Production | Level 2: Corporate Office

Subcategory: Injury | Location: Internal Components | Level 3: Amazon

Type: No Weapon | Section: Circuit Boards | Level 4:

Summary

On the above mentioned date and time, the complainant, Kathy Howard, reported to security that during her lunch break, she was assaulted while in her cubicle.

She was grabbed roughly by her arm, pushed to the floor, and the man fled the building.

Currently, there are no suspects in this incident. The only available witness is Sandy Smith, who is seated in the cubicle section three rows over, and could only say that the assailant was male. Investigation continues. Follow-up to be completed.

Supplemental Details

Flags

Indicate Which Authorities Have Been Notified of the Incident

1. In the Supplemental Details section, check the **Reported to Police** box if the police have been notified of the incident, and then input the **Police File Number**.
2. If another division in your organization has been notified of the incident, check the **Reported to Division** box and specify the **Division Reported To**.

3. If you reported the incident to your supervisor, check the **Reported to Supervisor** box. Then, select the name of your supervisor from the **Supervisor Reported To** pick list. If no relevant Person record is found in the database, use the Quick Add function to create one.
4. If the incident requires follow-up, check the **Follow-up Required** box and enter the **Follow-up Date**.

The screenshot shows the 'Supplemental Details' section of the software. It contains the following fields and values:

- ☒ Reported to Police: Police File Number: OCC-131-94
- ☒ Reported to Division: Division Reported To: Security
- ☒ Reported to Supervisor: Supervisor Reported To: Brown, Joe
- ☒ Follow-up Required: Follow-up Date: 08/29/2013

Flag the Incident

1. In the Flags section, select each flag's **Status** (i.e., Yes, No, or Unknown), depending on whether or not the flag applies to the incident.
 - Examples of flags include Hate Crime, Drugs/Alcohol Involved, and Weapon Involved.
2. Add any applicable notes under **Flag Notes**.

The screenshot shows the 'Flags' section of the software. It contains a table with the following data:

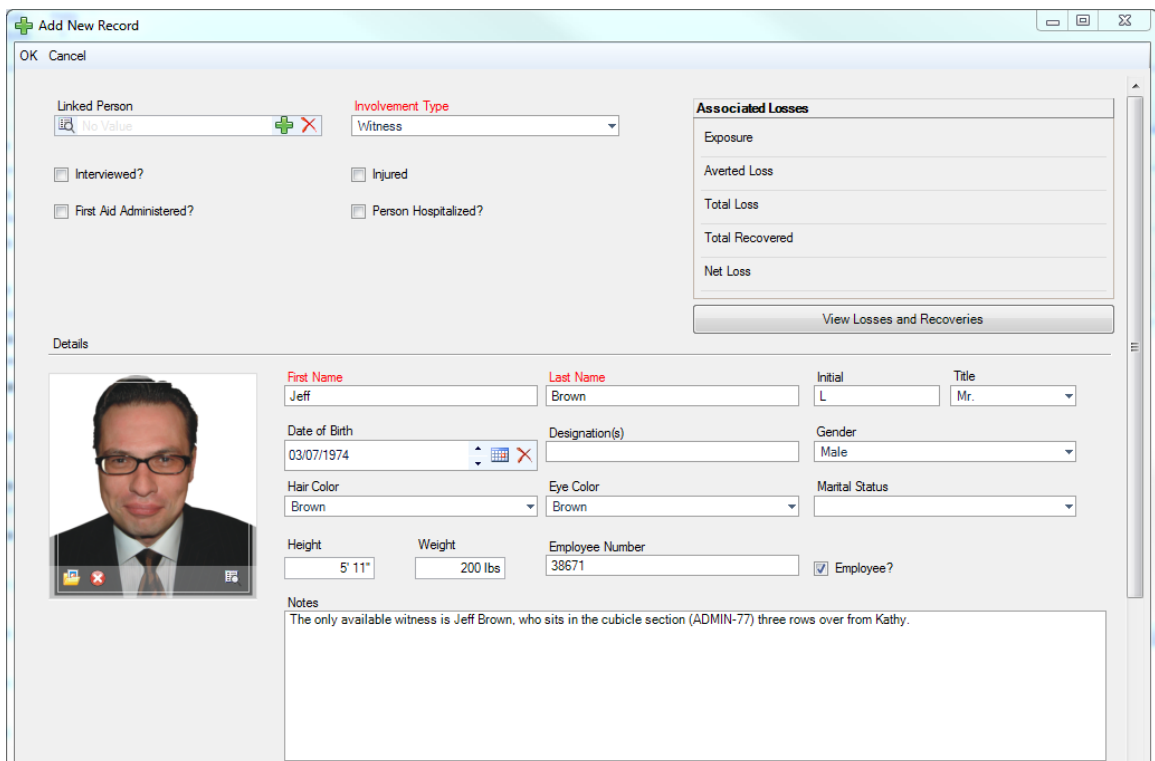
Description	Status
V Workplace Violence	No
K Suspect Known to Victim	Unknown
H Hate Crime	No
D Drugs/Alcohol Involved	No
N DHS	No

Below the table is the 'Flag Notes' section, which contains the text: 'The incident did not involve violence.'


Identify All Involved Persons

Note General Details of an Involved Person

1. Select the **Involvements** tab.
2. Select the **Persons** sub-tab.
3. Click **Add New**. A pop-up window will open.
4. Select the involved person's record from the **Linked Person** pick list. If a Person record does not already exist for this individual, use the Quick Add function to create one.
 - The First Name and Last Name fields will now automatically populate with the linked person's name. Depending on the data available, some additional fields may also populate with information drawn from the linked person's record.
5. From the **Involvement Type** lookup list, choose the appropriate description.
6. Enter the person's **Initial**, **Title** (e.g., Mr.) and **Designation** (e.g., Chartered Accountant).
7. Specify the involved person's **Date of Birth**, **Gender**, and **Marital Status**.




8. Identify the person's physical characteristics, including **Hair Color**, **Eye Color**, **Height**, and **Weight**.
9. If the person is an employee of your organization, check the **Employee?** box and enter the **Employee Number**.

10. If the person was interviewed regarding the occurrence, check the **Interviewed?** box.
11. If the person received first aid, or was injured or hospitalized as a result of the occurrence, check the **First Aid Administered?**, **Injured**, and/or **Person Hospitalized?** boxes.
12. Enter notes about the person's involvement in the occurrence in the **Notes** text box.
13. To add a photo of the involved person to the record, click the **Add** icon  in the image box.
14. Locate the image file in the browser window and click **Open**.

Add the Involved Person's Clothing Details

1. Open the **Click to Add Clothing Details** link.
2. Choose the **Clothing Type** and **Color** from the lookup lists.
3. Enter a detailed description of the item in the **Description** box.
4. Repeat for as many articles of clothing as necessary.



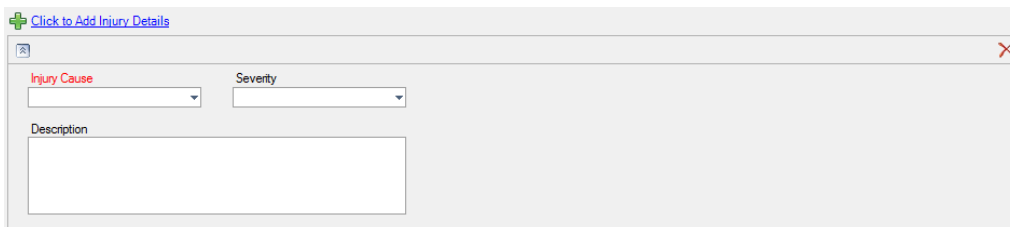
 [Click to Add Clothing Details](#)


Clothing Type **Color**

Description

Record the Involved Person's Sustained Injuries

1. Open the **Click to Add Injury Details** link.
2. Specify the **Injury Cause** and **Severity**.
3. Include a detailed description of the injury in the **Description** text box.



 [Click to Add Injury Details](#)

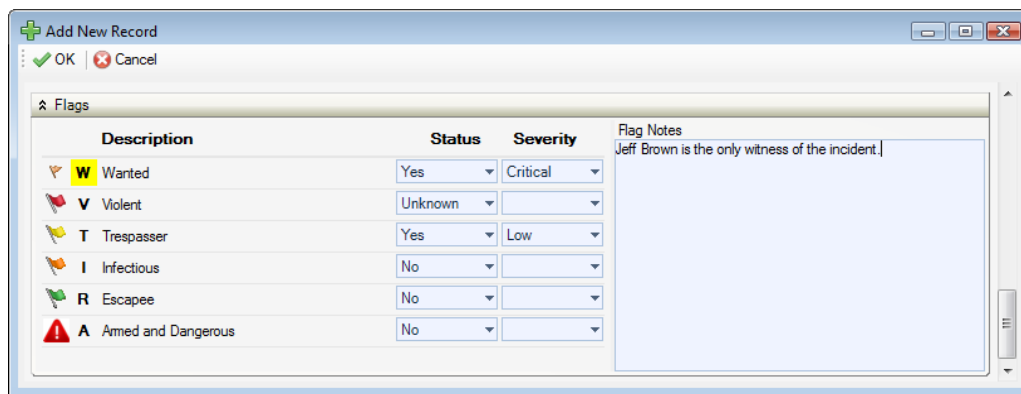
Injury Cause **Severity**

Description

4. Repeat for as many injury entities as necessary.

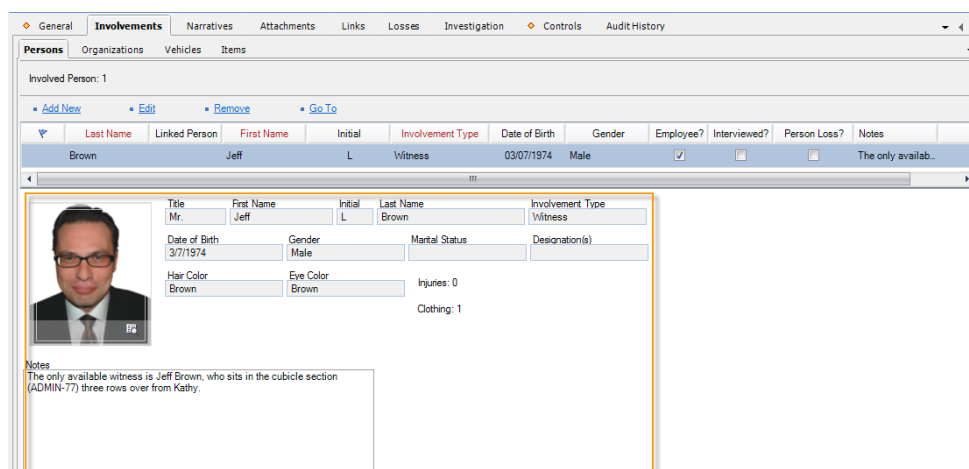
Flag the Involved Person

1. In the Flags section, specify the **Status** (i.e., Yes, No, or Unknown) as well as the **Severity** of each flag (e.g., Critical, High, Low).
 - Flags may include such descriptions, as Trespasser, Violent, Infectious, Escapee, Wanted, etc.
2. Enter comments in the **Flag Notes** section.
3. Click **OK**.




Description	Status	Severity	Flag Notes
Wanted	Yes	Critical	Jeff Brown is the only witness of the incident.
Violent	Unknown		
Trespasser	Yes	Low	
Infectious	No		
Escapee	No		
Armed and Dangerous	No		

4. As you click OK, the newly created entity will be displayed in the Involved Persons list, each entity occupying a single row in the list.
 - To display the entity's general information in the bottom Viewing pane, select the corresponding row in the list.



Last Name	Linked Person	First Name	Initial	Involvement Type	Date of Birth	Gender	Employee?	Interviewed?	Person Loss?	Notes
Brown		Jeff	L	Witness	03/07/1974	Male	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The only availab...

	<table> <tr> <td>Title</td> <td>First Name</td> <td>Initial</td> <td>Last Name</td> <td>Involvement Type</td> </tr> <tr> <td>Mr.</td> <td>Jeff</td> <td>L</td> <td>Brown</td> <td>Witness</td> </tr> </table>	Title	First Name	Initial	Last Name	Involvement Type	Mr.	Jeff	L	Brown	Witness
Title	First Name	Initial	Last Name	Involvement Type							
Mr.	Jeff	L	Brown	Witness							
	<table> <tr> <td>Date of Birth</td> <td>Gender</td> <td>Marital Status</td> <td>Designation(s)</td> </tr> <tr> <td>3/7/1974</td> <td>Male</td> <td></td> <td></td> </tr> </table>	Date of Birth	Gender	Marital Status	Designation(s)	3/7/1974	Male				
Date of Birth	Gender	Marital Status	Designation(s)								
3/7/1974	Male										
	<table> <tr> <td>Hair Color</td> <td>Eye Color</td> <td>Injuries</td> <td>Clothing</td> </tr> <tr> <td>Brown</td> <td>Brown</td> <td>0</td> <td>1</td> </tr> </table>	Hair Color	Eye Color	Injuries	Clothing	Brown	Brown	0	1		
Hair Color	Eye Color	Injuries	Clothing								
Brown	Brown	0	1								
Notes The only available witness is Jeff Brown, who sits in the cubicle section (ADMIN-77) three rows over from Kathy.											

Add Losses and Recoveries Associated with an Involved Entity

1. Before you continue with entering losses or reviewing their summary, make sure that you saved the involved entity's sub-record by clicking **OK** and that you saved the Incident record by clicking **Save**. This will update the calculations the system stores on the previously recorded losses.

2. Double-click the involved entity in the list that you want to associate a loss with (e.g., the Jeff Brown's Person record).
 - In the **Associated Losses** section in the top right corner you will see the summary of the losses previously associated with the open entity, including a summary of the entity's recovery (**Exposure** and **Averted Loss**), **Total Loss**, **Total Recovered** loss, and **Net Loss**.

Associated Losses

Exposure	\$ 0.00
Averted Loss	\$ 0.00
Total Loss	\$ 300.00
Total Recovered	\$ 50.00
Net Loss	\$ 250.00

View Losses and Recoveries

3. To review the details of the losses associated with the entity, click on the **View Losses and Recoveries** button under the **Losses Associated To** summary grid.
 - A new window will open where you will be able to see the **Date** a loss was recorded, the **Type** of the loss, the **Method/Status/Cause** the loss was or could have incurred, and the relevant value of the loss.

Losses Associated To: Brown, Jeff

Date	Type	Method/Status/Cause	Loss	Recovery	No Impact
08/14/2013	Direct		\$ 300.00 USD		
08/14/2013	Recovered			\$ 50.00 USD	

4. To add a loss, select one of the following three options:
 - To add a loss that has occurred, click **Add Loss**.
 - To add a loss that has occurred and has been recovered, click **Add Recovery**.

- To add a potential exposure loss or an averted loss that is associated with the involved entity, click **Add No Impact**.
5. Depending on the option you choose, a new screen will display a subform designed for the type of loss you selected. Fill out the form's fields following the guidelines in the ["Record Losses Involved in an Incident and View Their Summary"](#) section.
 6. Click **OK**.
 - Once the changes are saved, the recorded loss data will populate the relevant columns of the **Losses Associated To** grid.
 7. Add as many loss entries as necessary, repeating steps 4 - 6. Then, click **OK** to save the associated losses on the involved entity's record and see updated summary calculations in the **Associated Losses** section of the subform:
 - **Exposure:** The total value of the Exposure No Impact loss associated with the involved entity.
 - **Averted Loss:** The total value of the Averted No Impact loss associated with the involved entity.
 - **Total Loss:** The total value of the Loss amounts associated with the involved entity.
 - **Total Recovered:** The total value of the Recovery loss associated with the involved entity.
 - **Net Loss:** The value determined by subtracting the Total Recovery amount from the Total Loss.

Losses Associated To: Brown, Jeff

Date	Type	Method/Status/Cause	Loss	Recovery	No Impact
08/14/2013	Direct		\$ 300.00 USD		
08/14/2013	Recovered			\$ 50.00 USD	

Edit Record

Linked Person:

Involvement Type:

☐ Interviewed? ☐ Injured

☐ First Aid Administered? ☐ Person Hospitalized?

Associated Losses

Exposure	\$ 0.00
Averted Loss	\$ 0.00
Total Loss	\$ 300.00
Total Recovered	\$ 50.00
Net Loss	\$ 250.00

Details

First Name: Last Name: Initial: Title:

Date of Birth: Designation(s): Gender:

Hair Color: Eye Color: Marital Status:

Height: Weight: Employee Number: ☒ Employee?

Notes: The only available witness is Jeff Brown, who sits in the cubicle section (ADMIN-77) three rows over from Kathy.

8. Click **OK** on the main involved entity's subform.
 - The entity's entry in the list will be updated with a checkmark under the **Person/Organization/Vehicle/Item Loss?** Column. The loss will also be recorded as a separate entry under the **Losses** tab.
9. Click **Save** to synchronize the recorded data across the Perspective's components.

Involvements

Involved Person: 1

Last Name	Linked Person	First Name	Initial	Involvement Type	Date of Birth	Gender	Employee?	Interviewed?	Person Loss?	Notes
Brown	Jeff	L	Witness	03/07/1974	Male	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The only availab...	

Identify All Involved Organizations

Note General Details of an Involved Organization

1. Select the **Involvements** tab.
2. Select the **Organizations** sub-tab.
3. Click **Add New**. A pop-up window will open.

4. Select the involved organization's record from the **Linked Organization** pick list. If an Organization record does not already exist, use the Quick Add function to create one.
 - The **Organization Name** field will now automatically populate with the linked organization's name. Depending on the data available, some additional fields may also populate with information drawn from the linked Organization record.
5. Specify how the organization became involved in the occurrence by selecting a description from the **Involvement Type** lookup list.
6. If applicable, input the organization's file, ID, or other tracking number in the **Organization Number** field.
7. Select an **Organization Type** from the lookup list.
8. Specify the means by which the organization has been notified of the occurrence in the **Notified By** lookup list.
9. If there is any documentation associated with the organization's involvement in the occurrence (e.g., a work order), note the associated tracking number in the **Reference Number** field.

10. Select the name of the organization's primary contact from the **Contact Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
11. Enter the contact person's phone number under **Contact Phone**. Ensure that you use a consistent format when entering phone numbers.
12. Enter notes in the **Comments** box.
13. To add the organization's logo to the record, click the **Add** icon (+) in the image box.
14. Locate the image file in the browser window and click **Open**.

Note an Action Request Sent to the Involved Organization

1. Open the **Click to Add Request Details** link.
2. Choose the appropriate description for the requested action from the **Request Type** lookup list.
3. If there is a tracking or other ID number, enter it in the **Reference Number** field.
4. Enter the date the request was made in the **Assigned Date** field.
5. Select the record of the person who has been administered the request from the **Request Assigned To Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
6. When the action is complete, input the **Completed Date**.
7. Add any necessary **Notes**.

The screenshot shows a web form titled "Click To Add Request Details". It contains the following fields:

- Request Type:** A dropdown menu with a red label.
- Tracking Number:** A text input field.
- Request Assigned To Person:** A pick list showing "No Value" with a magnifying glass icon, a green plus button for quick add, and a red X button for cancel.
- Notes:** A large text area for entering details.

Log the Involved Organization's Response to the Incident

1. Open the **Click to Add Response Details** link.
2. Select the record of the person in the organization who responded to the incident from the **Responding Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
3. Select the record of the person who called the organization from **Notified By Person**.
4. Enter the date and time the organization was contacted in the **Called Date/Time** field.
5. Enter the date and time the organization arrived on site in the **Arrived Date/Time** field.
6. When the organization's response is complete and they have vacated the site, enter the completion date and time in the **Cleared Date/Time** field.
7. Click the **Calculate Time** link to determine how long it took the organization to respond (Response Time) and how long they remained on site (Time On Site).

8. Add any useful **Response Notes**.
9. Click **OK**.

10. As you click OK, the newly created entity will be displayed in the Involved Organizations list, each entity occupying a single row in the list. To display the entity's general information in the bottom Viewing pane, select the corresponding row in the list.


Add Losses and Recoveries Associated with the Involved Organization

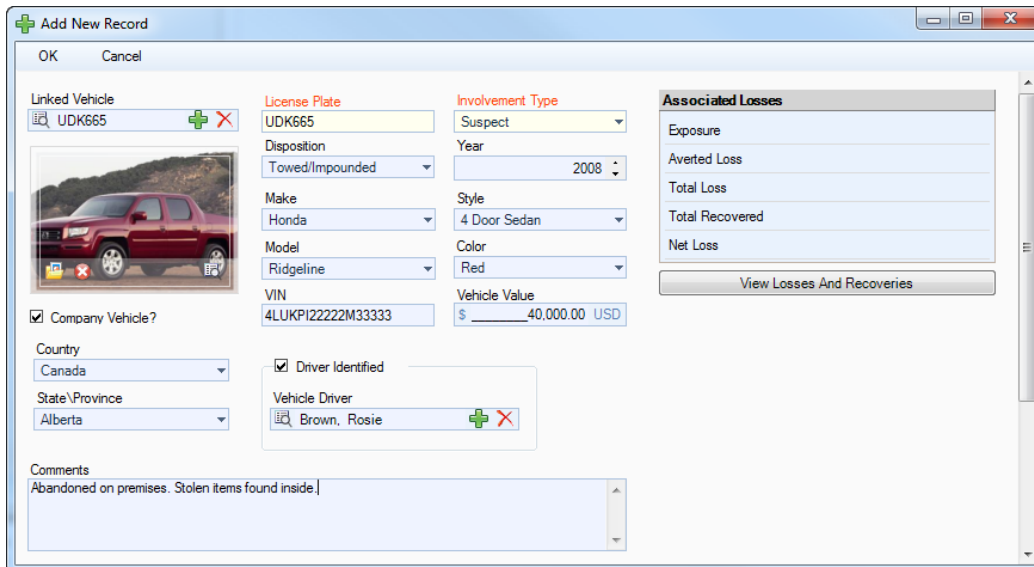
Complete the operation, as described in the “[Add Losses and Recoveries Associated with an Involved Entity](#)” sub-section in the “[Identify All Involved Persons](#)” section.

Document All Involved Vehicles

Note General Details of an Involved Vehicle



1. Select the **Involvements** tab.
2. Select the **Vehicles** sub-tab.
3. Click **Add New**. A pop-up window will open.
4. Select the involved vehicle from the **Linked Vehicle** pick list. If a Vehicle record does not already exist, use the Quick Add function to create one.

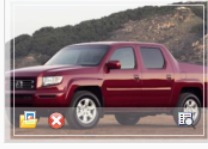
- The License Plate field will now automatically populate with the linked vehicle's license plate number. Depending on the data available, some additional fields may also populate with information drawn from the linked vehicle's record.
5. Indicate how the vehicle became involved in the occurrence by selecting a description from the **Involvement Type** lookup list.
 6. Select the most appropriate description of the vehicle's current status from the **Disposition** lookup list (e.g., Seized, Stolen, Released to Owner).
 7. Specify the vehicle's **Year**, **Make**, **Model**, **Style**, and **Color**. Your selection in the Model field will depend on the value recorded in the Make field.
 8. If known, enter the vehicle's **VIN** and approximate **Vehicle Value**.
 9. If the vehicle belongs to your organization, check the **Company Vehicle?** box.
 10. If known, indicate where the vehicle's license plate is registered in the **Country** and **State/Province** fields.
 11. If the vehicle's driver was identified, check the **Driver Identified** box. Then, select the driver's name from the **Vehicle Driver** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
 12. Enter any applicable notes under **Comments**.
 13. To add a photo of the vehicle to the record, click the **Add** icon  in the image box.
 14. Locate the image file in the browser window and click **Open**.
 15. Click **OK**.



Add New Record

OK Cancel

Linked Vehicle: UDK665  



☒ Company Vehicle?

Country: Canada

State/Province: Alberta

License Plate: UDK665

Disposition: Towed/Impounded

Involvement Type: Suspect

Year: 2008

Make: Honda

Style: 4 Door Sedan



Model: Ridgeline

Color: Red

VIN: 4LUKPI2222M33333

Vehicle Value: \$ 40,000.00 USD

☒ Driver Identified

Vehicle Driver: Brown, Rosie  

Comments: Abandoned on premises. Stolen items found inside.

Associated Losses

Exposure

Averted Loss

Total Loss

Total Recovered

Net Loss


[View Losses And Recoveries](#)

16. As you click OK, the newly created entity will be displayed in the Involved Vehicles list, each entity occupying a single row in the list. To display the entity's general information in the bottom Viewing pane, select the corresponding row in the list.

Involved Vehicles: 1

[Add New](#)
[Edit](#)
[Remove](#)
[Go to](#)

Linked Vehicle	License Plate	Involvement Type	Year	Make / Model	Vehicle Loss?	Comments
UDK665 - Honda/Ridgeline	UDK665	Indirectly Involved	2007	Honda/Ridgeline	<input checked="" type="checkbox"/>	Abandoned on premises. Stolen items...



License Plate
UDK665

Year
2007

Involvement Type
Indirectly Involved

VIN
4LUKPI22222M333333

Style
4 Door Wagon

Disposition
Towed/Impounded

Color
Red

Vehicle Value
\$ 40,000.00 USD

CB: keith - 2/24/2012 1:33:46 PM - LM: keith - 2/24/2012 1:33:46 PM

Add Losses and Recoveries Associated with the Involved Vehicle

Complete the operation, as described in the [“Add Losses and Recoveries Associated with an Involved Entity”](#) sub-section in the [“Identify All Involved Persons”](#) section.

Identify All Involved Items

Note General Details of an Involved Item


1. Select the **Involvements** tab.
2. Select the **Items** sub-tab.
3. Click **Add New**. A pop-up window will open.
4. Select the involved item's name from the **Linked Item** pick list. If an Item record does not already exist, use the Quick Add function to create one.
 - The Item Name field will now automatically populate with the linked item's name. Depending on the data available, some additional fields may also populate with information drawn from the linked item's record.
5. If known, enter the serial or ID number of the item in the **Serial Number** field.
6. Select the most appropriate description of the item's current status from the **Disposition** lookup list (e.g., Seized as Evidence, Destroyed, Returned to Owner).

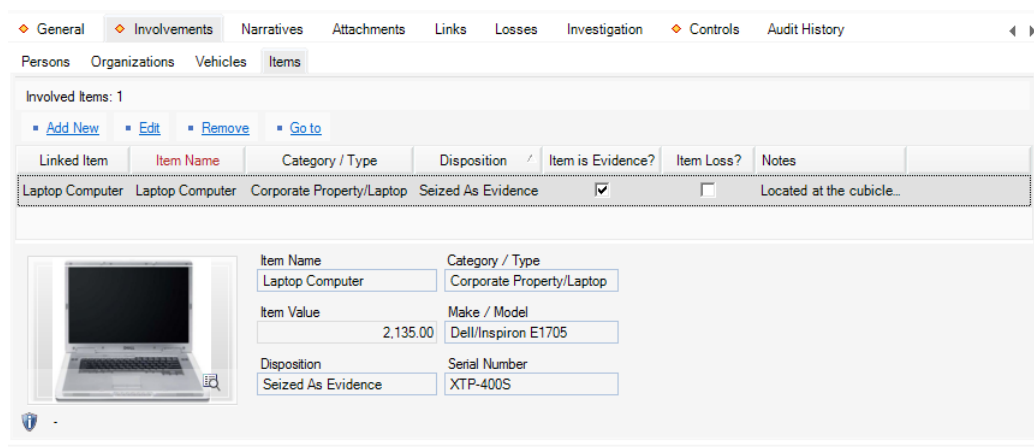
The screenshot shows the 'Add New Record' dialog box. It has a title bar with 'Add New Record' and standard window controls. Inside, there are several sections:

- Linked Item:** A pick list showing 'Laptop Computer' with a small image of a laptop.
- Item Name:** A text field containing 'Laptop Computer'.
- Serial Number:** A text field containing 'XTP-400S'.
- Disposition:** A dropdown menu showing 'Seized As Evidence'.
- Item Value:** A text field containing '\$ 2,135.00 USD'.
- Item Category:** A dropdown menu showing 'Corporate Property'.
- Item Type:** A dropdown menu showing 'Laptop'.
- Item Make:** A dropdown menu showing 'Dell'.
- Item Model:** A dropdown menu showing 'Inspiron E1705'.
- Owner Identified/Known?:** A checked checkbox.
- Organization Owned By:** A pick list showing 'TML Inc'.
- Person Owned By:** A pick list showing 'Howard, Kathy'.
- Associated Losses:** A table with columns: Exposure, Averted Loss, Total Loss, Total Recovered, Net Loss. Below the table is a button 'View Losses And Recoveries'.
- Notes:** A text area containing 'Located at the cubicle ADMIN-78'.

7. Enter the item's exact or estimated value in the **Item Value** field.
8. If applicable, check the **Item is Evidence?** box.
9. Identify the general classification of the item by making selections from the **Item Category** and **Item Type** lookup lists. These fields are hierarchical.
10. Specify the **Item Make** and **Item Model**. These fields are hierarchical.
11. If the item's owner is known, check the **Owner Identified/Known?** box. Then, select the name of the organization or person that owns the item from either the **Organization Owned**

By or **Person Owned By** pick lists. If an Organization or a Person record does not already exist, use the Quick Add function to create one.

12. Add comments about the item in the **Notes** field.
13. To add a photo of the item to the record, click the **Add** icon  in the image box.
14. Locate the image file in the browser window and click **Open**.
15. Click **OK**.
16. As you click **OK**, the newly created entity will be displayed in the Involved Items list, each entity occupying a single row in the list. To display the entity's general information in the bottom Viewing pane, select the corresponding row in the list.



Add Losses and Recoveries Associated with the Involved Item

Complete the operation, as described in the [“Add Losses and Recoveries Associated with an Involved Entity”](#) sub-section in the [“Identify All Involved Persons”](#) section.

Summarize an Incident or a Case

1. Select the **Narratives** tab.
2. Click the appropriate **Add** link. The Narrative Editor window will open.
3. Choose the applicable description from **Narrative Type** (e.g., Executive Summary, Original Narrative, Follow-up). By default, your name will appear in the Author field.
4. Type your narrative in the text box.
 - For details on operating the Narrative Editor, consult [“Appendix B: Text Editor Navigation”](#) at the end of this guide.
5. When finished composing your narrative, click **Accept & Return**. The Narrative Editor window will close, and the new narrative record will populate the Narratives grid.

◆ General ◆ Involvements **Narratives** Attachments ◆ Links ◆ Losses Investigation ◆ Controls Audit History

Total Narratives: 2

■ [Add New](#) ■ [Edit](#) ■ [Remove](#) ■ [Seal](#) ■ [Read](#)

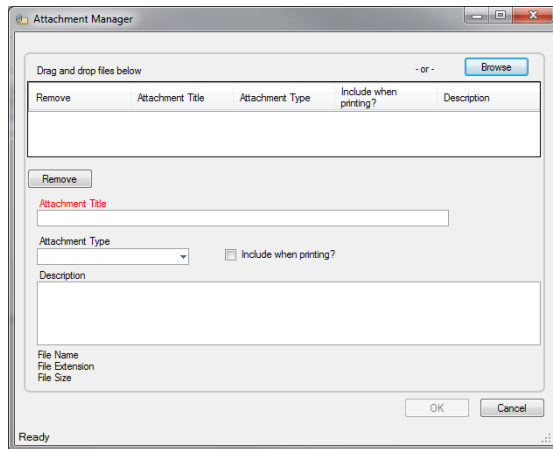
Sealed	Created By Date/Time	Narrative Type	Author
<input type="checkbox"/>	25/11/2010 5:25:07 PM	Original Narrative	Davis, Ian
<input type="checkbox"/>	25/11/2010 5:30:34 PM	Follow-up	Remnyakova, Svetlana A

November 25, 2010
 On the 23rd of November, 2010, security received a call from the complainant Kathy Howard. Howard stated that her corporate laptop had been stolen during a break the previous day, 22nd of November, 2010, while she was away from her desk. Officer Davis responded and spoke with Kathy Howard who advised that she left her cubicle which is located in section 4B of the administration office at approximately 04:20PM and went to the cafeteria. When she left her cubicle her corporat...

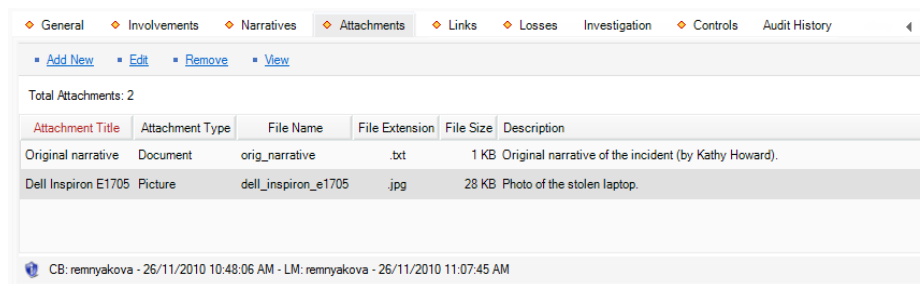
CB: remnyakova - 25/11/2010 5:25:07 PM - LM: remnyakova - 25/11/2010 5:25:07 PM

Attach a File to a Record

1. Select the **Attachments** tab.
2. Select the **Files** sub-tab.
3. Click the applicable **Add** link. A pop-up window will open.
4. Add attachments by either dragging and dropping or clicking **Browse**.
5. For each attachment, do the following:
 - a. The **Attachment Title** field will automatically populate with the name of the attached file. If necessary, modify the name.
 - b. From the **Attachment Type** lookup list, select the appropriate designator for the attachment (e.g., Document, Picture, Video, Voice Recording).
 - c. Give an overview of the attachment in the **Description** text box.
 - d. For image files (e.g., .bmp, .gif, .jpg, .png), check the **Include when Printing?** box to have a copy of the image included with every print-out of the record.
 - e. Click **Remove** to remove any unwanted attachments.
6. Once you are finished working with attachments, click **OK**.



7. To preview an attachment, ensure the attachment is highlighted in the grid and click **View**.
8. Once the attachment is loaded, click **Open**. The attachment file will open in a separate window.
9. Close the window to return to the record.



View Attachments

There are two ways to view attachments in Perspective.

The first way to view an attachment is the following:

1. Select the **Attachments** tab.
2. Select the **Files** sub-tab.
3. Click the file name you want to view from the list of attached files.
4. Click the **View** link.
5. Click **Open**.

The second way to view an attachment is the following:

1. Select the **Attachments** tab.
2. Select the **Pictures** sub-tab. Thumbnails of attached files will be visible.

3. Left-click the thumbnail for a full screen view of the attachment.
4. To close the full screen view of the attachment, click the X icon in the top right corner.
 - a. Right-click the thumbnail to view the title and description of the attachment. Right-click to go back to the thumbnail.

Link the Incident to an Activity

1. Select the **Links** tab.
2. In the Activity Links section, click **Add New**. A pop-up window will open.
3. Specify how the incident and activity are related in the **Link Type** field (e.g., Common Call Source, Common Location).
4. Select the appropriate activity from the **Linked From Activity** pick list.
5. Indicate the date that the incident became associated with the activity in the **Link Effective Date** field.
6. Type any additional information about the link in the **Notes** field.
7. Click **OK**.

8. Click **Save**, after which this link will be automatically cross-referenced in the linked activity's record under the Links tab.

Linked From Activity	Link Type	Link Effective Date	Notes
ACT-2011-000015	Escalated to Investigation	18/05/2011	
ACT-2011-000129	Common Call Source	24/08/2011	Common Call S...

Link an Incident to Another Incident

1. Select the **Links** tab.
2. In the Incident Links section, click **Add New**. A pop-up window will open.
3. Select the appropriate incident from the **Linked To Incident** pick list.
4. Specify how the two incidents are related in the **Link Type** field (e.g., Common Suspect, Similar Description).
5. Indicate the date that the two incidents became associated with each other in the **Link Effective Date** field.
6. Type any additional information about the link in the **Notes** field.
7. Click **OK**.

The screenshot shows a 'Add New Record' dialog box with the following fields and values:

- Link Type:** Same Class and Location
- Linked To Incident:** INCD0000000148
- Link Effective Date:** 26/11/2010
- Notes:** The linked incident is also a Company Property Theft and occurred at the Site A, Building 1, Location 1.

8. Click **Save**, after which this link will be automatically cross-referenced in both Incident records under the Links tab.

The screenshot shows the 'Links' tab in the incident record interface. It displays a table of linked incidents with the following data:

Linked To Incident	Link Type	Link Effective Date	Notes
INCD0000000148	Same Class and Location	26/11/2010	The linked incident is also a Company Property Theft and occurred at...
INCD0000000057	Common Suspect	27/11/2010	Common Suspect and M.O.

Below the table, there is a status bar showing: CB: remnyakova - 26/11/2010 11:07:45 AM - LM: remnyakova - 26/11/2010 11:07:45 AM.

To link all incidents in the grid and then open Incident record to a case, follow the procedures described below:

Note: The Case component is only available in the ICM and EIM Editions of Perspective.

1. Click **Add to Case**. A pop-up window will open.
2. Specify how the incidents are related to the case in the **Link Type** field (e.g., Common Person, Related Incidents).
3. Select the appropriate case from the **Linked To Case** pick list.
4. Indicate the date that the incidents became associated with the case in the **Link Effective Date** field.
5. Type any additional information about the link in the **Notes** field.
6. Click **OK**.
7. A confirmation message will notify that links were created successfully. Click **OK**. These links will be automatically cross-referenced in the linked Case record under the Links tab.

The screenshot shows a dialog box titled "Add New Record" with a close button in the top right corner. At the top, there are "OK" and "Cancel" buttons. Below these, the "Link Type" is set to "Related Incidents" in a dropdown menu. To the right, the "Linked To Case" field contains "CASE-2009-000006" with a search icon and a plus sign. Below this, the "Link Effective Date" is set to "10/12/2010" with a calendar icon and a plus sign. At the bottom, there is a "Notes" text area containing the text "The incidents have identical involved persons and location."

Link an Incident to a Case

Note: The Case component is only available in the ICM and EIM Editions of Perspective.

1. Select the **Links** tab.
2. In the **Case Links** section, click **Add New**. A pop-up window will open.
3. Specify how the incident and case are related in the **Link Type** field (e.g., Common Person, Related Incidents).
4. Select the appropriate case from the **Linked From Case** pick list.
5. Indicate the date that the incident became associated with the case in the **Link Effective Date** field.
6. Type any additional information about the link in the **Notes** field.

7. Click **OK**.

The screenshot shows a dialog box titled 'Add New Record'. It has 'OK' and 'Cancel' buttons at the top. Below are four fields: 'Link Type' with a dropdown menu set to 'Common Person'; 'Linked From Case' with a text box containing 'CASE-2009-000058' and a magnifying glass icon; 'Link Effective Date' with a date picker set to '22/12/2010'; and a 'Notes' text area containing the text 'The case is built around a common person.'

8. Click **Save**, after which this link will be automatically cross-referenced in the linked case's record under the Links tab.

The screenshot shows a software interface with a tabbed menu at the top: General, Involvements, Narratives, Attachments, **Links**, Losses, Investigation, Controls, and Audit History. The 'Links' tab is active, showing 'Case Links'. Below the tab are buttons: Add New, Edit, Remove, and Go to. It states 'Number of Linked Cases: 3'. A table follows with the following data:

Case Number	Link Type	Link Effective Date	Notes
CASE-2010-000027	Common Organization	01/12/2010	Similar theft pattern.
ADMC-2009-000124	Common Organization	07/01/2011	The case contains related incidents that occurred in the common organization.
CASE-2009-000058	Common Person	22/12/2010	The case is built around a common person.

Below the table, there is a status bar showing 'CB: remnyakova - 26/11/2010 12:31:22 PM - LM: remnyakova - 26/11/2010 12:31:22 PM' and expandable sections for 'Incident Links' and 'Activity Links'.

Record Losses Involved in an Incident and View Their Summary

The **Losses** tab within an Incident record can be used to add the following types of incident losses:

- **Loss:** A monetary loss that occurred in the course of the incident.
 - **Recovery:** A loss amount associated with an incident that has been restored or regained as a result of an action that had been implemented after the incident took place.
 - **No Impact Loss:** A loss that has been associated with an incident that has either been prevented or remains a potential loss and, hence, does not impact the Net Loss amount.
1. To add a loss, open the **Losses** tab and click on the **Add Loss**, **Add Recovery**, or **Add No Impact** hyperlink, depending on the type of loss that you want to record. Depending on the option you choose, a new screen will display a subform designed for the type of loss you selected.

Note: Some of the following fields may not be available on the form that you see on the screen; those fields will be supplied with additional directions.

2. In the process of adding a loss, you may choose to either associate the loss with the broader Incident record or with one of the incident's existing involvements (i.e., an involved person, organization, vehicle, or item). To specify the type of data you want to associate your loss entry with, select one of the options from the **Associated Type** lookup.

Note: If you want to add a loss associated with an incident's involvement that has not been recorded yet, you must first create an involved record under the Involvements tab before creating the loss record. For a detailed description of the procedure of adding involved persons, organizations, vehicles, or items to an Incident record, see the ["Identify All Involved Persons"](#), ["Identify All Involved Organizations"](#), ["Document All Involved Vehicles"](#), and ["Identify All Involved Items"](#) sections.

3. If you chose to associate the loss with any of the incident's involvements (e.g., Person Involvement), select the specific unit of involvement that has been previously recorded under the Incident form from the **Associated To** lookup (e.g., Brown, Jeff).

Note: The options available on the lookup have been cross-populated from each of the involvement's sub-tabs and can only contain involvement records that had been created and saved prior to adding the loss.

The same function is available under each of the involvements' sub-tabs. For details, please see the ["Add Losses and Recoveries Associated with an Involved Entity"](#) section.

4. Enter the **Date** that is associated with the loss (e.g., a date when the loss or the recovery occurred, or a date when the no impact loss is most probable).
5. Enter the number of loss units, as well as the approximate value of each unit in the **Unit(s)** and **Value Per Unit** fields. The Total field below will automatically calculate the total value of loss multiplying the Unit(s) by the Value Per Unit values.
6. Identify the nature of the loss under **Loss Type** (e.g., Direct or Indirect, Averted, or Exposure).
7. If applicable, specify the reason for the actual or the potential loss you are recording under **Loss Cause** (e.g., Accident, Deliberate, or Unintentional Act).
8. If you are recording a loss that has actually occurred, determine the current state of the lost unit(s) under **Loss Status** (e.g., Compromised, Lost, Stolen, or Damaged).
9. Under **Method**, select a descriptor that best defines the way in which the loss occurred or can potentially occur (e.g., Wired Transfer or Cash).
10. For actual and no impact losses, select the name of the person who recovered the loss or defined the incident as incurring potential loss from the **Recovered/Determined By Person** pick list. By default, the field will contain the name of the person recording the loss.
11. If you are recording a recovery, also complete the **Recovered From Person** and the **Recovered From Organization** fields, as applicable.
12. Enter any additional comments under **Notes**.

13. Click **OK**. Once the changes are saved, the recorded loss data will populate the relevant columns of the Losses grid. For optimal analysis, you may arrange the loss entries by a column header (e.g., Associated To, Date, or Type) and change the position of the columns in the grid.
14. Click **Save** to synchronize the recorded data within the relevant involvement records and update the summary calculations displayed to the right of the grid.

- **Total:**

Total Exposure: The total value of the *Exposure No Impact* loss associated with the incident and the involved entities.

Total Averted: The total value of the *Averted No Impact* loss associated with the incident and the involved entities.

Total Loss: The total value of the *Loss* amounts associated with the incident and the involved entities.

Total Recoveries: The total value of the *Recovery* loss associated with the incident and the involved entities.

Net Loss: The value determined by subtracting the *Total Recoveries* amount from the *Total Loss*.

- **Losses:** The total values of *Loss* amounts arranged by *Loss Type* (e.g., Direct or Indirect).
- **Recoveries:** The total values of *Recovery* amounts arranged by *Recovery Type* (e.g., Physical or On-line Purchase).
- **No Impact:** The total values of *Recovery* amounts arranged by *No Impact Type* (i.e., Averted or Exposure).

<div> General Involvements Narratives Attachments Links Losses Investigation Controls Audit History </div>									
Loss And Recovery Details									
Incident Loss Summary: 7 Losses: 3 Recoveries: 2 No Impact: 2									
Add Loss Add Recovery Add No Impact Edit Remove									
Date		Associated To	Type	Method/Status/Cause	Loss	Recovery	No Impact		
01/19/2012	Incidents		Direct	ACH/Stolen/Deliberat	\$ 2,492.00 US				
02/15/2012	Item Involvem	Wallet	Direct	Wired Transfer/Lost/A	\$ 3,225.00 US				
01/25/2012	Organization I	Cape Breton Re	On-line Purcha	Merchant Credit		\$ 80.00 USD			
01/30/2012	Organization I	Sydney Police S	Exposure	Cheque/Stolen/Intenti			\$ 2,125.00 USD		
01/25/2012	Person Involve	Brown, Jeff	Indirect	ACH/Lost/Intentional	\$ 2,725.00 US				
02/23/2012	Person Involve	Hatfield, Carne	Averted	Cash/Unintentional -			\$ 790.00 USD		
02/24/2012	Vehicle Involve	UDK665	Physical	Wright-off		\$ 600.00 US			

Total

Total Exposure	\$ 2,125.00 USD
Total Averted	\$ 790.00 USD
Total Loss	\$ 8,442.00 USD
Total Recoveries	\$ 680.00 USD
Net Loss	\$ 7,762.00 USD

Losses

Direct	\$ 5,717.00 USD
Indirect	\$ 2,725.00 USD

Recoveries

Physical	\$ 600.00 USD
On-line Purchase	\$ 80.00 USD

No Impact

Exposure	\$ 2,125.00 USD
Averted	\$ 790.00 USD

Record Incident Investigation Data

Note: The Investigation component is only available in the ICM and EIM Editions of Perspective.

Note General Details of an Investigation

1. Select on the **Investigation** tab.
2. Select on the **Details** sub-tab.
3. In the General section, select the name of the person who ordered the investigation from the **Investigation Initiated By Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
4. Enter the date the investigation was initiated under **Investigation Start Date**.
5. If the investigation has undergone a review, enter the applicable date in the **Investigation Last Review Date** field.
6. When the investigation is complete, enter this date in the **Investigation Closed Date** field.
7. Input general notes in the **Investigation Comments** box.

The screenshot shows the 'Investigation' tab selected in the top navigation bar. Under the 'Details' sub-tab, the 'General' section is expanded. It contains several input fields and a summary table.

Investigation Initiated By Person: A pick list showing 'Davis, Ian' with a green plus icon and a red X icon.

Investigation Start Date: A date field showing '23/11/2010' with a calendar icon and a red X icon.

Investigation Last Review Date: A date field showing '09/12/2010' with a calendar icon and a red X icon.

Investigation Closed Date: A date field showing '15/12/2010' with a calendar icon and a red X icon.

Summary Table:

Total Time Spent:	0 Hrs.
Total Expenses:	\$ 0.00 USD
Total Evidence:	0
Number of Interviews:	0
Number of Investigators:	0
Investigation Duration:	3 day(s)

Investigation Comments: A text area containing the text: 'The investigation was initially assigned to Officer Mairon Alvarez. Then, it was passed on to Officer Ian Davis.'

Investigators: A section at the bottom with a collapsed icon and the label 'Investigators'.

Assign an Investigator to an Incident's Investigation

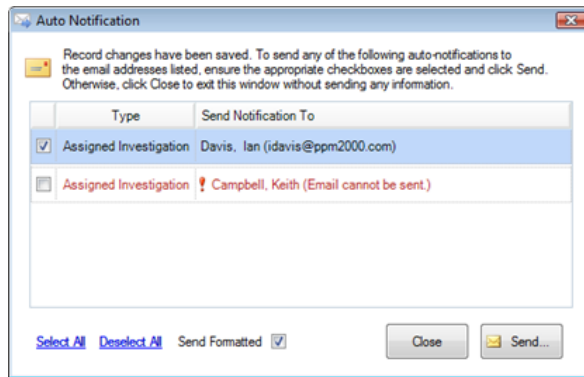
1. In the Investigators section, click **Add New**. A pop-up window will open.
2. Specify the applicable role of the investigator in the **Investigator Type** field (e.g., Lead Investigator, Assisting Investigator, Forensic Specialist).
3. Select the record of the investigator from the **Investigator** pick list.

4. In the **Assigned Date** field, enter the date and time the person was assigned to the investigation team.
5. If the investigator is removed from the investigation team at some point, you may enter the applicable date and time in the **Completed Date** field.
6. Enter any relevant notes in the **Comments** box.
7. Click **OK**.

8. Add as many investigators to the Investigators list as necessary.

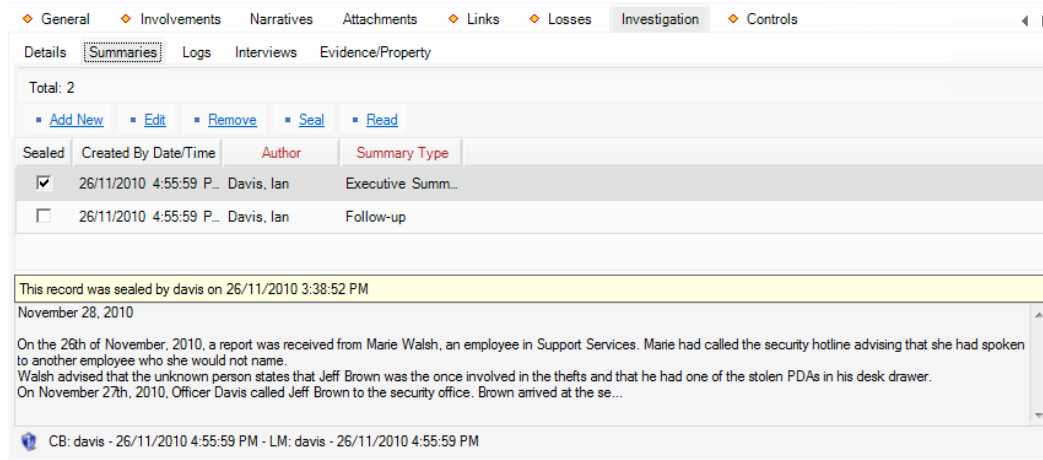
Assigned Date	Investigator Type	Investigator	Completed Date	Comments
23/11/2010	Lead Investigator	Davis, Ian		The investigation was passed on to Davis on the same dat...
16/08/2011	Assisting Investigator	Adams, Abbott		
24/11/2010	Assisting Investigator	Campbell, Keith	26/11/2010	Officer Campbell's involvement in the investigation was ter...

9. Click **Save**. An Auto Notification pop-up window will appear.
 - To send an email notification of the assigned investigation to the investigator, ensure the appropriate checkbox is selected and click **Send**. Notifications are automatically sent in HTML. Deselecting the **Send Formatted** box, prior to clicking Send, will format the notification details in plain text rather than the default HTML table.
 - If the investigator does not have a primary email address entered in the system, an error message appearing beside the investigator's name will indicate that an email cannot be sent. In this case, click **Close** to exit the window.



Summarize an Incident's or a Case's Investigation

1. Select the **Investigation** tab
2. Select the **Summaries** sub-tab.
3. Click the appropriate **Add** link. The Summary Editor window will open.
4. In the window, choose the applicable description from the **Summary Type** lookup list (e.g., Investigation Summary, Follow-up). By default, your name will appear in the Author field.
4. Type your summary in the text box. For details on operating the Summary Editor, consult ["Appendix B: Text Editor Navigation"](#) at the end of this guide.
5. When finished with your summary, click **Accept & Return**. The Summary Editor window will close, and the Summary's grid will populate with the new investigation summary.



Log Investigative Tasks and Expenses

1. Select the **Investigation** tab.
2. Select the **Logs** sub-tab.
3. Click the appropriate **Add** link. A pop-up window will open.

4. Specify the nature of the task in the **Task Type** field.
5. Select the name of the person who completed or must complete the task from the **Task Done By Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
6. If applicable, specify the date the task was finished under **Task Date**, and the time it took to complete under **Time Spent**.
7. If there is an expense associated with the task, enter the **Expense Type** and the total **Expense Amount**.
8. Check the **Follow-up Required?** checkbox, if applicable.
9. Enter any additional information about the task under **Log Notes**.

10. Click **OK**. The investigative task and/or expense will be added to the Logs grid.

General	Involvements	Narratives	Attachments	Links	Losses	Investigation	Controls	Audit History
Details Summaries Logs Interviews Evidence/Property								
Add New Edit Remove								
Total: 3								
Follow-up Required?	Task Date	Task Type	Task Done By Person	Time Spent	Expense Type	Expense Amount		
<input checked="" type="checkbox"/>	25/11/2010	General Investig..	Campbell, Keith	8.0 hrs		\$ 0.0 USD		
<input checked="" type="checkbox"/>	26/11/2010	Interview	Davis, Ian	2.0 hrs	Administrative	\$ 5.5 USD		
<input type="checkbox"/>	26/11/2010	General Investig..	Davis, Ian	10.5 hrs	Administrative	\$ 120.5 USD		
Background checks.								
CB: davis - 26/11/2010 4:55:59 PM - LM: davis - 26/11/2010 4:55:59 PM								

Document Investigation Interviews

1. Select the **Investigation** tab.
2. Select the **Interviews** sub-tab.

3. Click the appropriate **Add** link. The Interview Editor window will open.
4. In the window that appears, choose the applicable description from the **Interview Type** lookup list (e.g., Interview or Interrogation).
5. Select the name of the person who was interviewed from the **Subject of Interview** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
6. From the **Subject's Involvement Type** lookup list, specify the nature of the interviewee's involvement in the occurrence.
7. Select the name of the person who conducted the interview from the **Interview Conducted By** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
8. Specify the **Start Date/Time** and the **End Date/Time** of the interview.
9. State where the interview was conducted in the **Location of Interview** field.
10. Identify the person who formally witnessed the interview in the **Witness** field.
11. Check the **"Interview Recorded?"** box, if applicable.
12. Type the interview transcript in the text box. For details on operating the Interview Editor, consult ["Appendix B: Text Editor Navigation"](#) at the end of this guide.

The screenshot shows the 'Interview Editor' window with the following fields and content:

- Interview Type:** Interview
- Subject of Interview:** Brown, Jeff L.
- Subject's Involvement Type:** Subject of Interest
- Interview Conducted by:** Davis, Ian
- Start Date / Time:** 27/11/2010 10:30 AM
- End Date / Time:** 27/11/2010 12:30 PM
- Location of Interview:** Security office, Interview room #1
- Witness:** White, Pamela - Badge 335
- Interview Recorded?:** ☒

Below the fields is a text area for the interview transcript. It includes a ruler at the top and a table titled 'Interview Report'.

Interview Report	
Date of Interview:	November 27, 2010
Time of Interview:	10:30 AM
Location of Interview:	Security office, room #1
Interviewer:	Ian Davis
Interviewee:	Jeff Brown

Below the table is the 'Interview Narrative' section, which contains the following text:

Davis: Jeff, we have information from another employee that say you were involved in the thefts from Section 1 in Building A this month. Is this true?

13. When finished composing the transcript, click **Accept & Return**. The Interview Editor window will close, and the new interview record will be entered in the Interviews grid.

General Involvements Narratives Attachments Links Losses Investigation Controls Audit History

Details Summaries Logs Interviews Evidence/Property

Add New Edit Remove Seal Read

Total: 1


Sealed	Interview Type	Subject of Interview	Subject's Involvement Type	Interview Conducted by	Start Date / Time	Interview Recorded?
<input type="checkbox"/>	Interview	Brown, Jeff L	Subject of Interest	Davis, Ian	27/11/2010 10:30 AM	<input checked="" type="checkbox"/>

Interview Report

Date of Interview:
November 27, 2010
Time of Interview:
10:30 AM
Location of Interview:
Security office, room #1
Interviewer:
Ian Davis
Interviewee:
Jeff Brown

CB: davis - 26/11/2010 5:17:05 PM - LM: davis - 29/11/2010 2:56:45 PM

Track Investigation Evidence


1. Select the **Investigation** tab.
2. Select the **Evidence/Property** sub-tab.
3. Click the appropriate **Add** link. A pop-up window will open.
4. Input the item name under **Evidence/Property Name**.
5. Choose the applicable description from the **Evidence/Property Type** lookup list (e.g., Found, Recovered, Seized).
6. If known, select the name of the organization or person who owns the item from the **Owner Name Organization** or **Owner Name Person** pick lists. If an Organization or Person record does not already exist, use the Quick Add function to create one.
7. Specify the date and time the item was found/seized in the **Found/Seized Date/Time** field.
8. Describe where the item was found or seized in the **Found/Seized Location** field.
9. Select the person who seized the item from the **Seized By Person** pick list.
10. Indicate who the item was seized from by making a selection from the **Seized From Person** pick list.
11. Type any additional information about the item in the **Notes** textbox.
12. To add an image of the item to the record, click the **Add** icon  in the image box.
13. Locate the image file in the browser window and click **Open**.
14. In the Current Status section, choose the appropriate descriptors from the **Evidence Status** and **Disposition** lookup lists.

15. If the item is secured, enter the current location of the item in the **Secured/Storage Location** field.
16. Select the person who is currently in possession of the item from the **Person In Possession** pick list.
17. Input the applicable number in the **Evidence/Property Tag** field.

Edit Record

OK Cancel

Details

 **Evidence / Property Name**
Recovered Missing PDA

Evidence / Property Type
Recovered

Owner Name Organization
Advanced Security Inc.

Owner Name Person
Howard, Katherine M

Found / Seized Date/Time
27/11/2010 12:00 PM

Found / Seized Location
Desk of Jeff Brown, ADMIN-77

Seized By Person
Davis, Ian

Seized From Person
Brown, Jeff L

Notes
PDA seized from Jeff Brown's desk drawer. Returned to owner.

Current Status

Evidence Status
Unsecured

Disposition
Released to Owner

Secured / Storage Location

Person In Possession
Howard, Katherine M

Evidence / Property Tag
06-T4563

Chain of Custody

Print... Update Chain of Custody

Status Changed Date/Time	Evidence Status	Disposition	Storage Location	Person In Possession	Evidence / Property Tag

18. Click **OK** to save the entity in the Evidence/Property grid.


General Involvements Narratives Attachments Links Losses Investigation Controls Audit History

Details Summaries Logs Interviews Evidence/Property

Add New Edit Remove

Total: 1

Evidence / Property Name	Evidence / Property Tag	Evidence / Property Type	Found / Seized Date/Time	Disposition	Evidence Status
Recovered Missing PDA	06-T4563	Found	27/11/2010 12:00 PM	Released to Owner	Unsecured

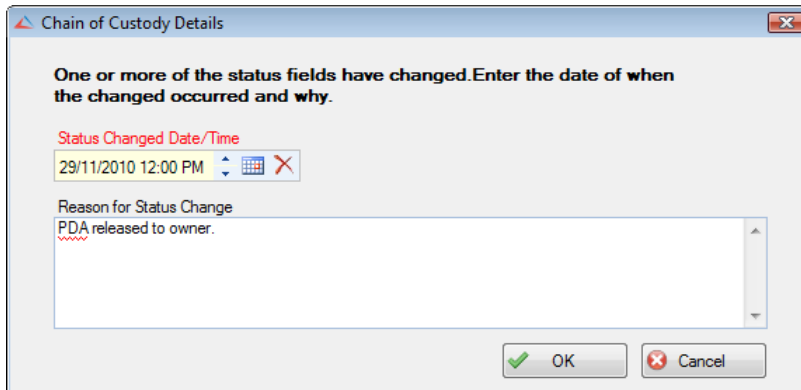
 **Evidence / Property Name**
Recovered Missing PDA

Notes
PDA seized from Jeff Brown's desk drawer. Returned to owner.

CB: davis - 29/11/2010 5:38:19 PM - LM: remnyakova - 25/08/2011 4:57:46 PM

If you need to update the evidence's current standing, you have to open the relevant evidence entity in the "edit" mode, make the necessary changes to the fields listed under **Current Status**, and follow the procedures described below:

1. Click the **Update Chain of Custody** link. A pop-up window will open indicating that one or more of the status fields have been changed.
2. By default, the current date will appear in the Status Changed Date/Time field. Modify this if the item's status actually changed at an earlier date.
3. Explain the change to the item's status in the **Reason for Status Change** textbox.



The image shows a Windows-style dialog box titled "Chain of Custody Details". Inside the dialog, there is a message: "One or more of the status fields have changed. Enter the date of when the changed occurred and why." Below this message, there are two input fields. The first is labeled "Status Changed Date/Time" and contains the text "29/11/2010 12:00 PM". The second is a larger text area labeled "Reason for Status Change" which contains the text "PDA released to owner." At the bottom right of the dialog, there are two buttons: "OK" with a green checkmark icon and "Cancel" with a red X icon.

4. Click **OK**. A new entry will now appear in the evidence record's Chain of Custody section, detailing, among other things, when and why the change was made.
5. If you want to print the Chain of Custody grid, click the **Print** hyperlink.

Note: The Chain of Custody is not included in the Investigation Report. Therefore, this printing option is only available via the Evidence/Property sub-tab.

Edit Record

OK Cancel

Details

Evidence / Property Name: Recovered Missing PDA

Found / Seized Date/Time: 27/11/2010 12:00 PM

Evidence / Property Type:

Found / Seized Location:

Current Status

Evidence Status: Secured

Disposition: Released to Owner

Secured / Storage Location:

Person In Possession: Howard, Katheri

Evidence / Property Tag: 06-T4563

Chain of Custody

Print... Update Chain of Custody

Status Changed D	Evidence Status	Disposition	Storage	Person In Pos	Evidence / P	Reason for Status Change
29/11/2010	Unsecured	Released t...		Howard, Kath...	06-T4563	PDA released to owner.
07/06/2011	Secured	Released t...		Howard, Kath...	06-T4563	The evidence has been re-clai...

View an Incident's Key Investigative Data Summary

1. Select the **Investigation** tab.
2. Select the **Details** sub-tab. The incident's key investigative data will be displayed in the form of a table next to the general details of the investigation:
 - **Total Time Spent:** The total number of hours spent on the investigation to date, drawn from the Logs sub-tab.
 - **Total Expenses:** The total cost of investigation to date, drawn from the Logs sub-tab.
 - **Total Evidence:** The total number of evidence pieces that investigators have collected to date, drawn from the Evidence/Property sub-tab.
 - **Number of Interviews:** The total number of interviews that investigators have conducted to date, drawn from the Interviews sub-tab.
 - **Number of Investigators:** The total number of investigators examining the incident, drawn from the Investigators section of the Details sub-tab.
 - **Investigation Duration:** The length of the investigation, based on the time elapsed from the Investigation Start Date to the Investigation Closed Date (or current date if the investigation is not yet closed).
3. To refresh the information in the summary table, click the **Update** link.

4. Every time a review of the investigation is conducted, make sure to change the **Investigation Last Review Date** field.
5. Once the investigation is completed, enter the relevant date in the **Investigation Closed Date** field.

Control a Record's Processing Options

Set the Security Controls and Status of a Record

1. Select the **Controls** tab; the Details sub-tab will open by default.
2. In the Controls section, fill out the **Org Level** fields to set the record visibility settings for the various groups within your organization. Organizational rollups are hierarchical, so the option you select in the Org Level 1 field will determine what options are available in the Org Level 2 field, and so on. As you move down the hierarchy, organizational rollups become more specific, naming groups within your organization that are increasingly specialized by company division or region.

Only users with organizational rollups *corresponding to or higher than* the organizational rollup you select for the record will have access to it. For example, if a record's rollup is North America/Canada/Alberta, the user whose organizational rollup is North America or North America/Canada/Alberta will have access to the record, while the user whose organizational rollup is North America/Canada/Alberta/Edmonton will not.

3. In the **Access Level** field, set the security level from 1 to 5. Each security level corresponds to a specific security description, such as "Classified". Only users with the same security Access Level as the one you select (or higher) will be able to view the record.

4. If you want to archive the record making it unavailable for users to access, check the **Archive (Record is not visible)** box.
5. Set the **Status** of the record to Open or Closed. Meanings of “open” and “closed” are dependent on your organization’s definition of these statuses. Generally, an *open* record means that it is actively being worked on or, possibly, is inactive for a finite amount of time. The *closed* status in this case would mean that the record is no longer being worked on due to completion or inactivity for an indefinite amount of time.
6. Select the most appropriate description of the record’s current standing in the **Disposition** field (e.g., Inactive, Pending Court, Waiting for Approval).
7. If any policy, legislation, or business rule pertinent to your organization’s procedures requires information about the record, or the persons involved in the record, to be kept for a certain length of time, enter the end date of that period in **Expiry Date**.

Note: No information will automatically be deleted on this date; it is for tracking purposes only.

8. From the **Record Owner** pick list, select the Person record that corresponds to the individual who is responsible for the closing the record. If a Person record does not already exist for this individual, use the Quick Add function to create one.

The screenshot shows a software interface with a top navigation bar containing tabs: General, Involvements, Narratives, Attachments, Links, Losses, and Investigation. Below this is a sub-navigation bar with tabs: Details, Outcome, Reviews, and Assignments. The main content area is titled 'Controls' and contains several fields:

- Org Level 1:** A dropdown menu with 'North America' selected.
- Access Level:** A dropdown menu with 'Level 3' selected.
- Archive (Record is not visible):** An unchecked checkbox.
- Org Level 2:** A dropdown menu with 'Canada' selected.
- Status:** A dropdown menu with 'Open' selected.
- Record Owner:** A field showing 'Abrams, Terry' with a green plus icon and a red X icon.
- Org Level 3:** A dropdown menu with 'Alberta' selected.
- Disposition:** A dropdown menu with 'Under Investigation' selected.
- Org Level 4:** A dropdown menu with 'Edmonton' selected.
- Expiry Date:** A date field showing '24/11/2011' with a calendar icon and a red X icon.

At the bottom of the 'Controls' section is a collapsed section labeled 'Workgroup Visibilities'.

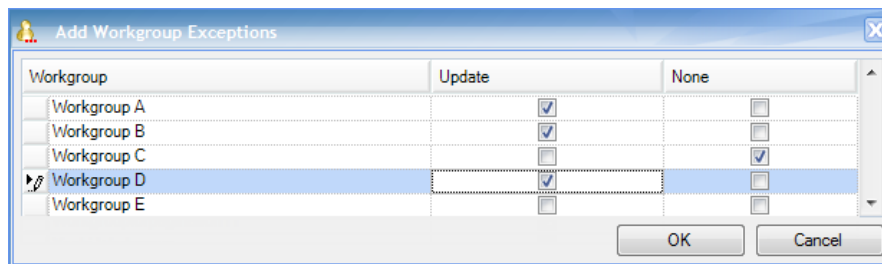
Figure 3.3.46: Setting security controls and status of a record

Define Which Workgroups Can Access a Record

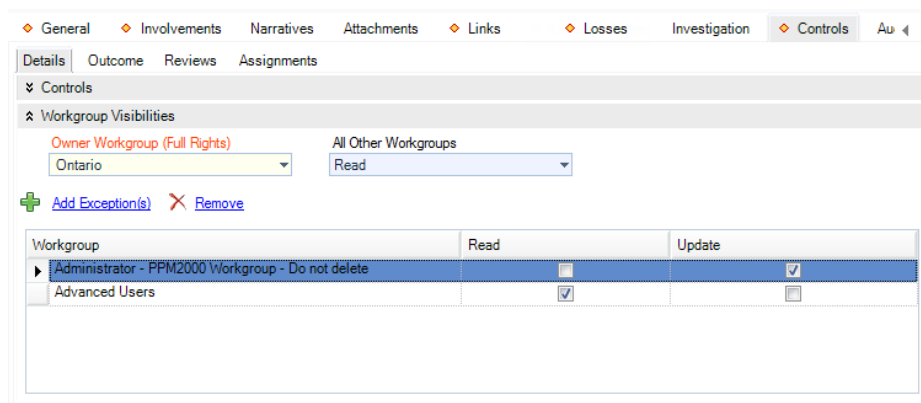
1. In the **Workgroup Visibilities** section, give one workgroup the ability to read and modify the record by selecting them under **Owner Workgroup (Full Rights)**. Initially, the field will contain the name of your default workgroup. Once you attempt to change it, the system will display a confirmation dialog asking you if the “Full Access” rights that belong to the original owner workgroup should be transferred to the workgroup you have chosen.
2. Click **OK** if the change was intentional.

3. Determine the access right for **All Other Workgroups**, selecting from the Read, Update, or None access right options.
4. To set customized access for a workgroup that does not conform to the other control settings specified, click **Add Exception(s)**. A pop-up window will open.
5. Select the workgroup and then select the workgroup's visibility for this record (Read, Update, or None). Continue to customize workgroup visibility for as many workgroups as you like.

Note: Workgroup visibility exceptions override the access settings assigned under All Other Workgroups.



6. Click **OK**. The selected workgroups and their corresponding modified access settings will be transferred to the Workgroup Visibilities grid.



Describe the Incident's Causes and Consequences

1. Select the **Outcome** sub-tab.
2. If any policies or procedures were implemented, breached, or affected as a result of the incident, note this by checking the **Policy Affected** box and entering the **Policy Name**.
3. Once you have established why the incident occurred, select your conclusions from the **Primary Cause** lookup list and, if applicable, the **Secondary Cause** lookup list.
4. Add new policy information or action taken in the **Corrective Action Summary** text box.

Document a Record-Related Review

1. Select the **Reviews** sub-tab.
2. Click **Add New**. A pop-up window will open.
3. Choose the applicable description from the **Review Type** lookup list.
4. By default, your name will appear in the Reviewed By Person field. If you are not the person who conducted the review, select the applicable person from the pick list.
5. Enter the date and time that the review was completed in the **Review Date** field.
6. Enter observations, results, notes, or other details pertaining to the review in the **Comments** box.

7. Click **OK**. The review entry will be added to the list of existing reviews in the main window.

General Involvements Narratives Attachments Links Losses Investigation Controls Audit History

Details Outcome **Reviews** Assignments

[Add New](#) [Edit](#) [Remove](#)

Total Reviews: 2

Review Date	Review Type	Reviewed By Person
10/12/2010	Departmental Review	Davis, Ian
26/11/2010	Departmental Review	Davis, Ian

Give a Record-Related Assignment to Another User

1. Select the **Assignments** sub-tab.
2. Click **Add New**. A pop-up window will open.
3. Choose the applicable option from the **Assignment Type** lookup list.
4. By default, your name will appear in the Assigned By Person field. If you are not the person who created the assignment, select the applicable person from the pick list.
5. Select the user who must complete the assignment from the **Assigned To Person** pick list.
6. Complete the **Assigned Date**, and enter the date the assignment must be completed under **Due Date**.
7. When the assignment is finished, check the **Completed?** box and enter the appropriate date in the **Completed Date** field.
8. Enter notes or instructions in the **Message/Task** text box.

Add New Record

OK Cancel

Assignment Type: Information Request

Assigned By Person: Davis, Ian

Assigned Date: 24/11/2010 10:00 AM

Assigned To Person: Campbell, Keith

Due Date: 25/11/2010 11:00 AM

Completed Date: 25/11/2010 01:00 PM

☒ Completed?

Message / Task: Background check on Jeff Brown.

9. Click **OK**. The new assignment will be added to the Assignments grid.

General Involvements Narratives Attachments Links Losses Investigation Controls Audit History

Details Outcome Reviews **Assignments**

▀ Add New ▀ Edit ▀ Remove ▀ Notify

Total Assignments: 3 Completed Assignments: 1

Completed?	Assigned Date	Assignment Type	Assigned By Person	Assigned To Person	Message / Task
<input type="checkbox"/>	13/12/2010	Verification	Davis, Ian	Baker, Susan	Please, verify the necessary data has b...
<input type="checkbox"/>	23/11/2010	Follow-up Activity	Baker, Susan	Davis, Ian	Please, interview the complainant and o...
<input checked="" type="checkbox"/>	24/11/2010	Information Request	Davis, Ian	Campbell, Keith	Background check on Jeff Brown.

CB: davis - 01/12/2010 12:55:45 PM - LM: davis - 01/12/2010 12:55:45 PM

10. Click **Save**. An Auto Notification pop-up window will appear.
 - To send email notifications of the assignments to the Assigned To Persons and/or of the completed assignments to the Assigned By Persons, ensure the appropriate checkboxes are selected and click **Send**. Notifications are automatically sent in HTML. Deselecting the **Send Formatted** box prior to clicking Send will format the notification details in plain text rather than the default HTML table. Once the notifications are sent, the Dashboards of the persons involved in the assignment will be populated with relevant Assignment records.
 - If the person does not have a primary email address entered in the system, an error message appearing beside the person's name will indicate that an email cannot be sent. In this case, click **Close** to exit the window.

Auto Notification

Record changes have been saved. To send any of the following auto-notifications to the email addresses listed, ensure the appropriate checkboxes are selected and click Send. Otherwise, click Close to exit this window without sending any information.

Type	Send Notification To
<input checked="" type="checkbox"/> Assigned Investigation	Davis, Ian (idavis@ppm2000.com)
<input type="checkbox"/> Assigned Investigation	Campbell, Keith (Email cannot be sent.)

Select All Deselect All Send Formatted ☒ Close Send...

11. Every time you add a new assignment to the Assignments list or edit the old one and click Save, the system will automatically prompt you to send an email notification about the changes made. However, if you want to send an email notification of any of the record's old unedited assignments, you will need to select the specific assignment in the list and click **Notify**. An email message will open that contains the assignment and the record details.
12. Check the message details, adding any other information that you think is necessary, and then click **Send**.

Assignment Details	
Assigned By	Davis, Ian
Assigned To	Campbell, Keith
Assigned Date	24/11/2010 10:00:00 AM
Due Date	25/11/2010 11:00:00 AM
Completed?	Yes
Completed Date	25/11/2010 1:00:00 PM
Message / Task	Background check on Jeff Brown.

Incident Details for ADMI-2010-000124
Criminal/Theft/Company Property/Over \$1000

Track Changes Made to a Record

1. Select the **Audit History** tab.
2. Click **Get Audit History** to view all modifications made to the record since its creation. The Viewing pane will display entries for each change made to the record. Among the available data categories are the following:
 - **DateTime** indicates the time when the change was made in GMT.
 - **UserID** reveals who made the change.
 - **Record Action** describes what type of change was made.
 - **Control Changes** displays any modifications made under the Controls tab.
 - **Machine Info** specifies which computer was used to make the change.

Get Audit History

UserID
Drag a column header here to group by that column.

DateTime (GMT)	UserID	Record Action	Control Changes	Machine Info
2011/06/07 10:39:05	remnyakova	Update		192.168.1.94
2011/06/07 09:00:16	remnyakova	Update		192.168.1.94
2011/06/07 08:20:12	remnyakova	Update		192.168.1.94
2011/06/07 08:20:00	remnyakova	Update		192.168.1.94
2011/06/07 08:19:58	remnyakova	Update		192.168.1.94
2011/06/07 08:19:37	remnyakova	Update		192.168.1.94
2011/06/07 08:19:09	remnyakova	Update		192.168.1.94
2011/06/07 08:19:01	remnyakova	Update		192.168.1.94
2011/06/07 08:18:56	remnyakova	Update		192.168.1.94

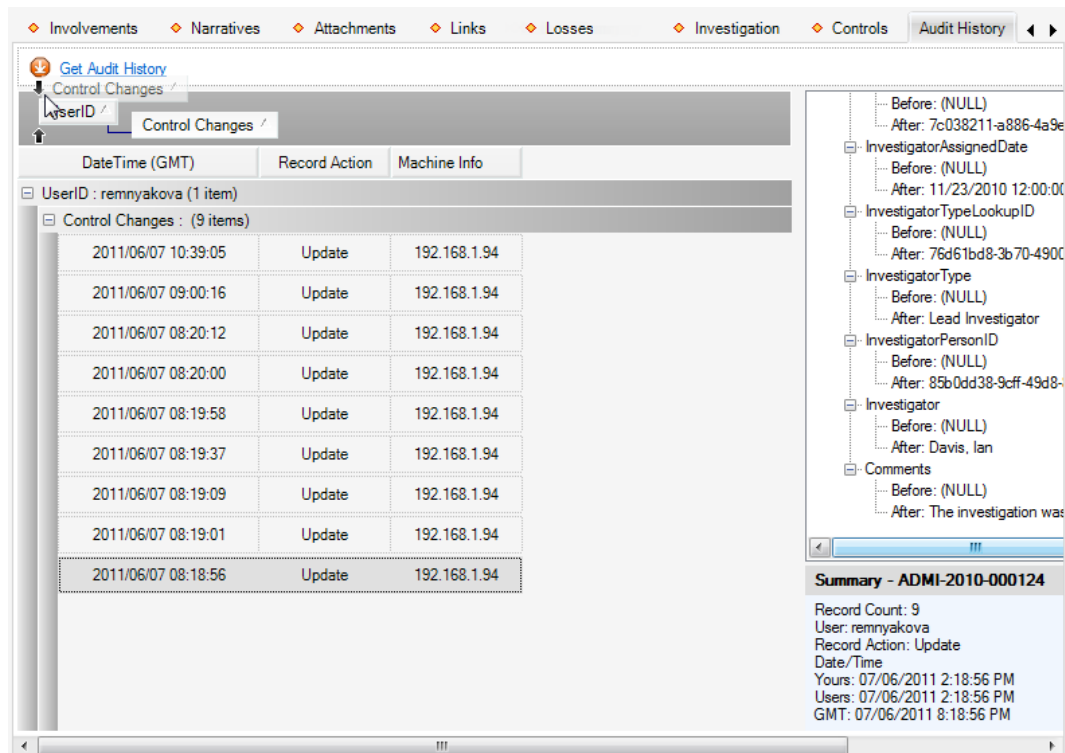
Audit tree:

- Before: (NULL)
After: 7c038211-a886-4a9e
- InvestigatorAssignedDate
 - Before: (NULL)
After: 11/23/2010 12:00:00
- InvestigatorTypeLookupID
 - Before: (NULL)
After: 76d61bd8-3b70-4900
- InvestigatorType
 - Before: (NULL)
After: Lead Investigator
- InvestigatorPersonID
 - Before: (NULL)
After: 85b0dd38-9c9f-49d8-
- Investigator**
 - Before: (NULL)
After: Davis, Ian
- Comments
 - Before: (NULL)
After: The investigation was

Summary - ADMI-2010-000124

Record Count: 9
 User: remnyakova
 Record Action: Update
 Date/Time
 Yours: 07/06/2011 2:18:56 PM
 Users: 07/06/2011 2:18:56 PM
 GMT: 07/06/2011 8:18:56 PM

3. Select an entry to view further details in the Audit tree displayed on the right.
4. Expand the nodes of the audit tree to see exactly what the data value was Before and After the change was made.
5. To group entries of the Audit History by one of the column headers, drag the header to the field at the top of the grid. The black arrows will indicate a legitimate place for dropping the header. The entries will be grouped under the criteria available in the column, each criterion corresponding to a single group of entries.
6. If you want to further subgroup the entries in the available groups, drag the next column header to the grouping field. In this case, the first column header will remain the main grouping option, while all the subsequently added headers will create an internal grouping hierarchy within the main grouping.
7. You may invert the hierarchy at any time by dragging the corresponding column header to the appropriate node in the grouping tree.



Cases


Note: The Case component is only available in the ICM and EIM Editions of Perspective.

A “case” is a convenient tool that organizes multiple incidents that have a common reference subject or object (e.g., a common subject of interest, a similar organization where incidents took place) into a single entity that is designed for a more effective investigation process. Multiple incidents can make up one case. Therefore, many operations implied in completing a Case data form require you to choose if you would like to add data to the currently open Case record, or to an Incident that is linked to the currently open Case record.

This choice is controlled by the relevant functions on the Viewing pane:

- Click **Add to Cases** to connect a data entry operation to the currently open case.
- Click **Add to Incident** and select the appropriate incident from the pick list to connect the data entry operation to an incident linked to the currently open case.

Create a new Case record

1. Click the **Add** button  on the Viewing pane toolbar.
2. Give the case a descriptive **Case Name**.
3. Identify the general classification of the case under **Case Category**.
4. Indicate when the case was opened under **Case Start Date**.
5. If the case has undergone a review, enter the applicable date in the **Last Reviewed Date** field.
6. When the case has been closed, enter this date in the **Case Closed Date** field.
7. Select the name of the **Case Manager**, as well as the **Case Supervisor**, from the applicable pick list fields.
8. Type a very brief overview of the case in the **Case Description** box. To enter a more detailed description of the case, use the Narratives tab.
9. Perspective will automatically assign the case a Case Number when the record is saved.

CASE-2009-000002
Jeff Brown Restraining Order

Save | Edit | Add | Delete | Lock | Print | Send | Cancel

General | Involvements | Narratives | Attachments | Links | Losses | Investigations | Controls | Audit History

Details

Case Number: CASE-2009-000002 | Case Start Date: 04/01/2011 12:00 AM

Case Name: Jeff Brown Restraining Order | Last Reviewed Date:

Case Category: Criminal Events | Case Closed Date:

Case Manager: No Value | Case Supervisor: No Value

Link New Incident | Link New Case

Case Description:
Test

Investigators

Total Investigators: 1

▢ Add New ▢ Edit ▢ Remove

Assigned Date	Investigator	Investigator Type	Completed Date	Comments
4/3/2009	Glade, George	Lead Investigator		Investigating a p...

Case Summary

Status: Open

Case Duration: 1 year(s) 6 month(s) 30 day(s)

Number of Case Investigators: 1

Number of Linked Incidents: 10

Initial Incident Occurred: 8/11/2010 4:18:03 PM

Disposition:

Investigation Summary

Total Time Spent: 39 hr(s) 30 min(s)

Total Expense: \$ 436.00 CDN

Total Evidence: 1

Number of Interviews: 3

Number of Incident Investigators: 4

Total Investigation Duration: 1324.09 Day(s)

Number of Incidents Investigated: 3

Incidents Not Investigated: 7

Involvement Summary

Number of Persons: 27

Number of Organizations: 4

Number of Items: 9

Number of Vehicles: 2

Loss Summary

Total Exposure: \$ 0.00 CDN

Total Averted: \$ 20.00 CDN

Total Loss: \$ 109,589.00 CDN

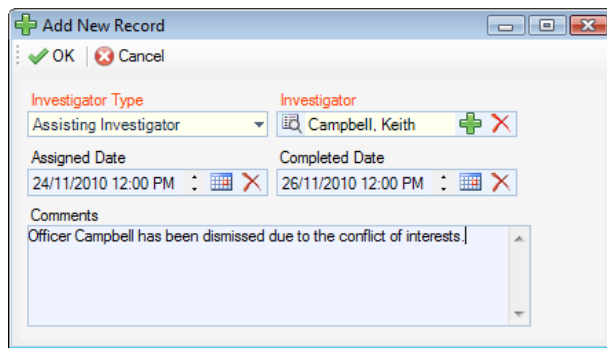
Total Recoveries: \$ 1,545.00 CDN

Net Loss: \$ 108,044.00 CDN

Ready | Connected

Assign an Investigator to a Case's Investigation

1. In the Investigators section of the General tab, click **Add New**. A pop-up window will open.
2. Specify the applicable role of the investigator in the **Investigator Type** field (e.g., Lead Investigator, Assisting Investigator, Forensic Specialist).
3. Select the name of the investigator from the **Investigator** pick list.
4. In the **Assigned Date** field, enter the date and time the person was assigned to the investigation team.
5. If the investigator is removed from the investigation team at some point, you may enter the applicable date and time in the **Completed Date** field.
6. Enter any relevant notes in the **Comments** field.



Add New Record

OK Cancel

Investigator Type: Assisting Investigator

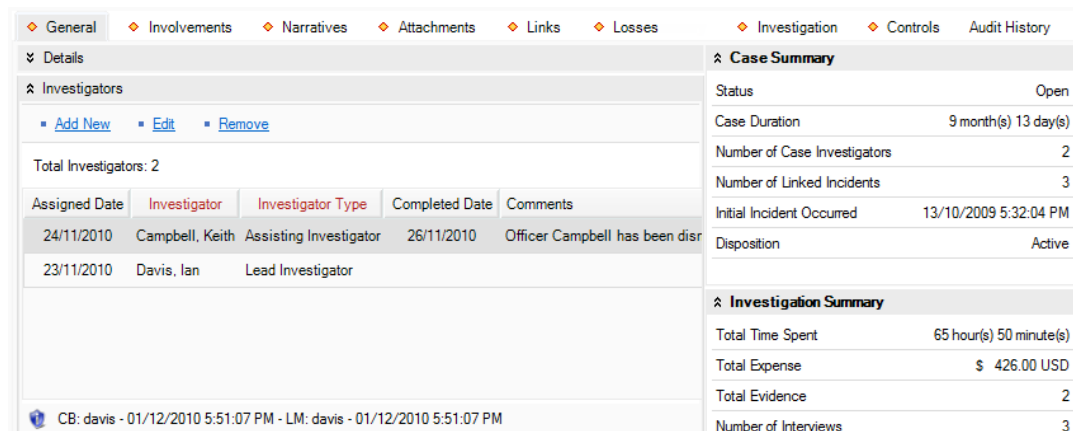
Investigator: Campbell, Keith

Assigned Date: 24/11/2010 12:00 PM

Completed Date: 26/11/2010 12:00 PM

Comments: Officer Campbell has been dismissed due to the conflict of interests.

7. Click **OK** and proceed to enter as many investigators as necessary.



General Involvements Narratives Attachments Links Losses Investigation Controls Audit History

Details

Investigators

Add New Edit Remove

Total Investigators: 2

Assigned Date	Investigator	Investigator Type	Completed Date	Comments
24/11/2010	Campbell, Keith	Assisting Investigator	26/11/2010	Officer Campbell has been disr
23/11/2010	Davis, Ian	Lead Investigator		

CB: davis - 01/12/2010 5:51:07 PM - LM: davis - 01/12/2010 5:51:07 PM

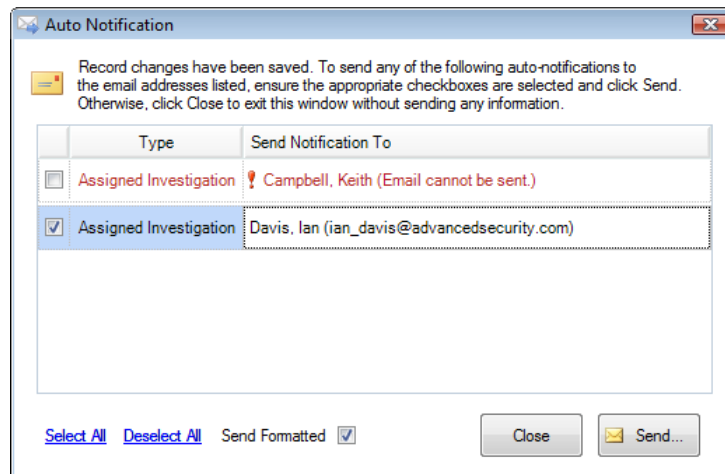
Case Summary

Status	Open
Case Duration	9 month(s) 13 day(s)
Number of Case Investigators	2
Number of Linked Incidents	3
Initial Incident Occurred	13/10/2009 5:32:04 PM
Disposition	Active

Investigation Summary

Total Time Spent	65 hour(s) 50 minute(s)
Total Expense	\$ 426.00 USD
Total Evidence	2
Number of Interviews	3

8. If you save the Case record changes at the time of entering a new Investigator, an Auto Notification pop-up window will appear.
- To send an email notification of the assigned investigation to the investigators, ensure the appropriate checkboxes are selected and click **Send**. Notifications are automatically sent in HTML. Deselecting the **Send Formatted** box prior to clicking Send will format the notification details in plain text rather than the default HTML table.
 - If the investigator does not have a primary email address entered in the system, an error message appearing beside the investigator's name will indicate that an email cannot be sent. In this case, click **Close** to exit the window.



View All Case's Involvements

1. Select the **Involvements** tab.
2. Depending on the type of involvement data required, select the **Persons**, **Organizations**, **Vehicles**, or **Items** sub-tab. A list of all corresponding entities contained in the case's linked incidents, as well as their essential details, will appear in form of a grid.
3. Select an entity in the grid to display its details in the form at the bottom of the window.
4. To view the history of the entity's involvements, select the entity in the grid, and click **History**. All incidents the entity has been involved in will be displayed in a pop-up window.

IncidentNumber	FileNumber	ClassName	Class	Category	OccurredDateTime	SiteName	IncidentStatus	InvolvementType	InvestigationStartDate
ADMI-2010-0001	TH-3079-B	Criminal/Th...	Criminal	Theft	22/11/2010	Site A/Buil...	Open	Victim	23/11/2010
ADMI-2011-01-00...		Criminal/Th...	Criminal	Theft	20/01/2011	Acme Univ...	Open	Witness	
INCD0000000183	ABC	Criminal/Fire	Criminal	Fire	09/03/2009	Site A/Buil...	Closed	Complainant	28/04/2009

5. To transfer to an entity's main record, select the entity in the grid and then click **Go To Persons/Organizations/Vehicles/Items**. To return to the Case record, select Cases in the Navigation pane.
6. To transfer to an entity's Involvement subform within its Incident record that is linked to the currently open Case record, select the entity in the grid and click **Go To Incidents**. To return to the Case record, select Cases in the Navigation pane.


[General](#)
[Involvements](#)
[Narratives](#)
[Attachments](#)
[Links](#)
[Losses](#)
[Investigation](#)
[Controls](#)
[Audit History](#)

[Persons](#)
[Organizations](#)
[Vehicles](#)
[Items](#)

[History](#)
[Go to Persons](#)
[Go to Incidents](#)

Involved Person(s): 3 Employee(s): 3 Interviewed: 3

Incident Number	Last Name	First Name	Involvement Type	Birthdate	Gender	Employee	Interviewed
ADMI-2010-000124	Howard	Katherine	Victim	03/06/1983	Female	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
INC-2009-000265	Anderson	Peggy Sue	Reported By		Female	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ADMI-2010-000124	Brown	Jeff	Witness	26/03/1980	Male	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Title **First Name** **Initial** **Last Name** **Involvement Type**
 Mr. Jeff L Brown Witness

Birthdate **Gender** **Marital Status** **Designation(s)**
 26/03/1980 Male Divorced

Hair Color **Eye Color**
 Brown Blue

Notes
 The only available witness is Jeff Brown who is seated in the cubicle section (ADMIN-77) three rows over Kathy Howard.

☒ Interviewed?
☒ Employee?
☐ First Aid Administered?
☐ Injured
☐ Person Hospitalized?

Note: If an involvement is added to multiple incidents and then you create a case with one of those incidents, the "Linked Incidents" tab will display all incidents with the involvement.

Summarize a Case or an Incident Linked to a Case

Open the **Narratives** tab and complete the operation, as described in the ["Summarize an Incident or a Case"](#) section in the ["Incidents"](#) chapter.

Attach a File to a Case Record

Open the **Attachments** tab and complete the operation, as described in the ["Attach a File to a Record"](#) section in the ["Incidents"](#) chapter.

Link an Incident to a Case

*Note: This function is also accessible via **Link New Incident**  under the **General** tab.*

1. Select the **Links** tab.
2. In the Linked Incidents section, click **Add New**. A pop-up window will open.
3. Specify how the incident and the case are related in the **Link Type** field (e.g., Common Suspect, Similar M.O.).

3. Specify how the two cases are related in the **Link Type** field (e.g., Common Suspect, Similar M.O.).
4. Select the case that you want to link to the open case from the **Linked To Case** pick list.
5. Indicate the date that the two cases became associated with each other in the **Link Effective Date** field.
6. Type any additional information about the link in the **Notes** field.
7. Click **OK**.

8. After saving, the created link will be automatically cross-referenced in both Case records under the Links tab.

Linked From Case	Linked To Case	Link Case Name	Link Type	Link Effective Date	Notes
CASE-2010-000028	CASE-2010-000027	Internal Thefts	Common Suspect	02/12/2010	
CASE-2010-000027	ADMC-2010-000016	4534534	Same Class and Location	01/12/2010	Both cases involve theft at the s...

Number of Linked Cases: 2

CB: davis - 01/12/2010 5:19:25 PM - LM: davis - 01/12/2010 5:19:25 PM

View a Summary of Losses Involved in a Case

1. Select the **Losses** tab.
2. If involvement losses have been recorded for any of the case's linked incidents, the Loss and Recovery Details grid will display each recorded loss entry arranged by Incident ID and supplied with such information as the Date the loss was recorded, the record or sub-record type the loss has been Associated To, the Type of loss, and the relevant value of the loss by loss category (i.e., Loss, Recovery or No Impact). For optimal analysis, you may arrange the

loss entries by a column header (e.g., Associated To, Date, or Type) and change the position of the columns in the grid.

3. Click **Save** to update the summary calculations displayed to the right of the grid:

- **Totals:**

Total Exposure: The total value of the *Exposure No Impact* loss associated with Incident records linked to the case.

Total Averted: The total value of the *Averted No Impact* loss associated with Incident records linked to the case.

Total Loss: Total value of *Loss* amounts associated with Incident records linked to case.

Total Recoveries: The total value of the *Recovery* loss associated with Incident records linked to the case.

Net Loss: The value determined by subtracting the *Total Recoveries* amount from the *Total Loss*.

- **Averages:**

Average Exposure: The average value of the *Exposure No Impact* loss across the Incident records linked to the case (i.e., *Total Exposure* divided by *Total Incidents*).

Average Averted: The average value of the *Averted No Impact* loss across the Incident records linked to the case (i.e., *Total Averted* divided by *Total Incidents*).

Average Loss: The average value of the *Loss* amount across the Incident records linked to the case (i.e., *Total Loss* divided by *Total Incidents*).

Average Recoveries: The total value of the *Recovery* loss across the Incident records linked to the case (i.e., *Total Recoveries* divided by *Total Incidents*).

Average Net Loss: The value determined by subtracting the *Average Recoveries* amount from the *Average Loss*.

General Involvements Narratives Attachments Links Losses Investigation Controls Audit History									
Loss And Recovery Details									
Total Incidents:4 Incident With Losses:2 Losses:4 Recoveries:2 No Impact:2									
Go To Incident									
IncidentID	Date		Associated To	Type	Loss	Recovery	No Impact		
INCD0000000167	01/19/2011	Incidents		Direct	\$ 2,492.00 USD				
SHI-2011-000018	01/27/2011	Item Involvement	Car Stereo	Direct	\$ 1,311.78 USD				
INCD0000000167	02/15/2012	Item Involvement	Wallet	Direct	\$ 3,225.00 USD				
INCD0000000167	01/25/2012	Organization Inv...	Cape Breton Re...	On-line Purc...		\$ 80.00 USD			
INCD0000000167	01/30/2012	Organization Inv...	Sydney Police S...	Exposure			\$ 2,125.00 USD		
INCD0000000167	01/25/2012	Person Involve...	Brown, Jeff	Indirect	\$ 2,725.00 USD				
INCD0000000167	02/23/2012	Person Involve...	Hatfield, Carmen	Averted			\$ 790.00 USD		
INCD0000000167	02/24/2012	Vehicle Involve...	UDK665	Physical		\$ 600.00 USD			

Totals	
Total Exposure	\$ 2,125.00 USD
Total Averted	\$ 790.00 USD
Total Loss	\$ 9,753.78 USD
Total Recoveries	\$ 680.00 USD
Net Loss	\$ 9,073.78 USD
Averages	
Average Exposure	\$ 531.25 USD
Average Averted	\$ 197.50 USD
Average Loss	\$ 2,438.45 USD
Average Recoveries	\$ 170.00 USD
Average Net Loss	\$ 2,268.45 USD

View and Record Case Investigation Data

View Key Investigative Data From a Case's Linked Incidents

Select the **Investigation** tab, and then select the **Details** sub-tab.

The General section lists all incident investigations that have been linked to the case, including such details as Incident Number, name of the person who initiated the investigation (Initiated By), and Investigation Start Date, Review Date, Close Date, and Duration.

In the Linked Incident Investigators section, you will find a list of all the investigators of incidents linked to the case. The grid lists such details as Incident ID, Investigator Type, date, and time the investigator was assigned to the incident (Assigned Date), date the investigator was removed from the incident's investigation (Completed Date), and Comments.

Note: Do not confuse the Linked Incident Investigators with the Investigators that are assigned to the currently open case added under the case's General tab.

[General](#)
[Involvements](#)
[Narratives](#)
[Attachments](#)
[Links](#)
[Losses](#)
[Investigation](#)
[Controls](#)
[Audit History](#)

[Details](#)
[Summaries](#)
[Logs](#)
[Interviews](#)
[Evidence/Property](#)

[Go to Incidents](#)

Total Number of Investigations: 2 Total Duration: 98.57 day(s) Average Duration: 49.28 day(s)

Incident Number	Start Date	Initiated By	Review Date	Close Date	Investigation Duration	
ADMI-2010-000124	23/11/2010	Davis, Ian	09/12/2010	15/12/2010	22.0 day(s)	
MPDI-0000000085	24/03/2011	Smith, Jane			76.57 day(s)	

[Linked Incident Investigators](#)

Total Number of Investigators Assigned: 5 Number Investigators Involved: 4

IncidentID	Assigned Date	Investigator Type /	Investigator	Completed Date	Comments	
ADMI-2010-0001...	24/11/2010	Assisting Investigat...	Campbell, Keith	26/11/2010	Officer Campbell's involvem...	
ADMI-2010-0001...	23/11/2010	Lead Investigator	Davis, Ian		The investigation was pass...	
ADMI-2010-0001...	07/06/2011	Lead Investigator	Remnyakova, Sv...			
ADMI-2010-0001...	23/11/2010	Lead Investigator	Davis, Ian		The investigation was pass...	

Summarize a Case's Investigation or the Investigation of an Incident Linked to a Case

Select the **Investigation** tab, the **Summaries** sub-tab, and complete the operation, as described in the [“Summarize an Incident's or a Case's Investigation”](#) section in the [“Incidents”](#) chapter.

Log Investigative Tasks and Expenses for a Case or an Incident Linked to a Case

Select the **Investigation** tab, the **Logs** sub-tab, and complete the operation, as described in the [“Log Investigative Tasks and Expenses”](#) section in the [“Incidents”](#) chapter. The summary of all tasks and expenses data associated with the related records will be calculated above the grid.

Document Investigation Interviews for a Case or an Incident Linked to a Case

Select the **Investigation** tab, the **Interviews** sub-tab, and complete the operation, as described in the [“Document Investigation Interviews”](#) section in the [“Incidents”](#) chapter.

Track Investigation Evidence for a Case or an Incident Linked to a Case

Select the **Investigation** tab, the **Evidence/Property** sub-tab, and complete the operation, as described in the [“Track Investigation Evidence”](#) section in the [“Incidents”](#) chapter.

Control a Case Record's Processing Options

For control options available for Case records, refer to the [“Control Record's Processing Options”](#) section.

Note: The option to describe an occurrence's causes and consequences under the Outcome sub-tab is only available within the Incidents component, and is absent on a Case form.

View a Quick Summary of a Case's Key Data

As you open your Case record, click the **General** tab. Key information, summarizing data from a number of forms within the Case record, will be collected along the right side of the Viewing pane.

Case Summary

- **Status:** The status of the case (e.g., Open or Closed), drawn from the Controls tab.
- **Case Duration:** The length of the case, based on the time elapsed from the Case Start Date to the Case Closed Date (or current date if the case is not yet closed), drawn from the General tab > Details section.
- **Number of Case Investigators:** The total number of investigators assigned to the case, drawn from the General tab > Investigators section.
- **Number of Linked Incidents:** The total number of incidents linked to the case, drawn from the Links tab > Linked Incidents section.
- **Initial Incident Occurred:** The earliest date and time that any of the incidents linked to the case occurred (i.e., the earliest Occurred From Date/Time), drawn from the Links tab > Linked Incidents section.
- **Disposition:** The current standing of the case (e.g., Active, Pending Court, etc.), drawn from the Controls tab.

^ Case Summary	
Status	Open
Case Duration	6 month(s) 14 day(s)
Number of Case Investigators	2
Number of Linked Incidents	2
Initial Incident Occurred	22/11/2010 4:20:00 PM
Disposition	Active

Investigation Summary

The data for the Investigation Summary section is drawn from the **Investigation** tab.

- **Total Time Spent:** The total number of hours spent on the case's investigation to date, plus the investigations of all incidents linked to the case, drawn from the Logs sub-tab.
- **Total Expense:** The total cost of the case's investigation to date, plus the investigations of all incidents linked to the case, drawn from the Logs sub-tab.
- **Total Evidence:** The total number of evidence pieces collected in the case's investigation to date, plus the investigations of all incidents linked to the case, drawn from the Evidence/Property sub-tab.

- **Number of Interviews:** The total number of interviews conducted in the case's investigation to date, plus the investigations of all incidents linked to the case, drawn from the Interviews sub-tab.
- **Number of Incident Investigators:** The total number of investigators assigned to the case's linked incidents, drawn from the Details sub-tab > Linked Incident Investigators section.
- **Total Investigation Duration:** The total length of the investigations of all incidents linked to the case, based on the time elapsed from each of their Investigation Start Dates to their Investigation Close Dates (or current date if an investigation is not yet closed), and drawn from the Details sub-tab > General section.
- **Number of Incidents Investigated:** The total number of incidents linked to the case that are undergoing (or have already undergone) investigation, drawn from the Details sub-tab > General section.
- **Incidents Not Investigated:** The total number of incidents linked to the case that are not undergoing (or have not undergone) investigation, determined by subtracting the Number of Incidents Investigated (stated above) from the Number of Linked Incidents (listed in the preceding Case Summary section).

⌵ Investigation Summary	
Total Time Spent	71 hour(s) 15 minute(s)
Total Expense	\$ 2,426.00 CDN
Total Evidence	3
Number of Interviews	3
Number of Incident Investigators	5
Total Investigation Duration	98.57 days
Number of Incidents Investigated	2
Incidents Not Investigated	0

Involvement Summary

The data for the Involvement Summary section is drawn from the Involvements tab.

- **Number of Persons:** The total number of involved persons from all the incidents linked to the case, drawn from the Persons sub-tab.
- **Number of Organizations:** The total number of involved organizations from all the incidents linked to the case, drawn from the Organizations sub-tab.
- **Number of Items:** The total number of involved items from all the incidents linked to the case, drawn from the Items sub-tab.
- **Number of Vehicles:** The total number of involved vehicles from all the incidents linked to the case, drawn from the Vehicles sub-tab.

⚙ Involvement Summary	
Number of Persons	3
Number of Organizations	2
Number of Items	3
Number of Vehicles	2

Loss Summary

The data for the Loss Summary section is drawn from the **Losses tab > Totals** section.

⚙ Loss Summary	
Total Exposure	\$ 2,125.00 USD
Total Averted	\$ 790.00 USD
Total Loss	\$ 9,753.78 USD
Total Recoveries	\$ 680.00 USD
Net Loss	\$ 9,073.78 USD


Track Changes Made to a Case Record

Open the **Audit History** tab and complete the operation, as described in the [“Track Changes Made to a Record”](#) section in the [“Incidents”](#) chapter.

Activities

Create a New Activity Record

Generally, activities are created and dispatched using the DispatchLog module embedded in Perspective (see [Perspective DispatchLog](#) for more information). Once an activity is closed in DispatchLog, it is transferred to the main Activities database in Perspective, maintaining any information that has been recorded in DispatchLog. The information that is imported from DispatchLog includes general activity details, location and responsible persons, officers' and organizations' responses, involvements, attachments, activity notes, and the basic Controls options (i.e., Activity Status, Owner Workgroup, Access Level, and Workgroup Visibilities). However, if required, an Activity record may be created from scratch within the centralized database in Perspective.

1. Click the **Add** button  in the Viewing pane toolbar.
2. Indicate when the activity was reported to supervisors under **Reported Date/Time**. By default, the field will populate with the current date and time.
3. Indicate when the activity call was assigned to an officer or organization under **Assigned Date/Time**.
4. Select the activity category under the **Level 1**, **Level 2**, and **Level 3** lookups. These fields are hierarchical, meaning that the option selected in the first field (i.e., Level 1) determines

the options that are available in the second field (i.e., Level 2), and so on. The options that appear in these lists have been customized by your organization.

5. Depending on the category specifications selected for the activity, the system will build the appropriate activity Code. Alternatively, you may quickly enter the code to auto-populate the activity category Levels.
6. Specify the **Priority** for the activity, selecting from the lookup options. The default value in the Priority field is determined by the category specifications/code selected for the activity.
7. If the activity has been closed, enter the date of its closure in the **Closed Date/Time** field. For the Activity records that have previously been closed within the DispatchLog, this field will already contain the date of closure.

The screenshot shows a 'Details' form with the following fields and values:

- Activity Number:** ACT-2011-000022
- Reported Date/Time:** 19/05/2011 12:01 PM (with a calendar icon and a red 'X' icon)
- Assigned Date/Time:** 19/05/2011 10:00 AM (with a calendar icon and a red 'X' icon)
- Closed Date/Time:** 19/05/2011 11:30 AM (with a calendar icon and a red 'X' icon)
- Code:** 900B
- Level 1:** Alarm (dropdown menu)
- Level 2:** Fire (dropdown menu)
- Level 3:** (empty dropdown menu)
- Priority:** Intermediate (dropdown menu)

8. Specify the location of the activity by making selections from the **Site**, **Building**, **Location**, and **Section** lookup lists.
9. The address fields (i.e., **Address**, **Address 2**, **Postal Code**, **Country**, **State/Province**, and **City**) will automatically populate according to the site specifications entered. Alternatively, you may enter/edit the address manually. If the activity took place off site, mark the corresponding checkbox and enter the exact address of the off-site activity location.
10. In the **Description** text field, type in a detailed description of the activity.

Location

Site Acme University	Address 3 Main Street	Country Canada
Building Administration Building	Address 2	State\Province Alberta
Location East Wing	Postal Code T5H 1Y6	City Edmonton
Section Front Entrance	<input type="checkbox"/> Off Site	

Description
The fire alarm sounded at 9:58 am. Most staff had evacuated the building by 10:20 am. Employees working in Level 7/Section 2 discovered that their fire exit was locked, so they had to walk to the other side of the building to find an exit. This delayed their evacuation by 10 minutes.

11. In the Supplemental Details section, select the **Call Source** for the activity (e.g., Alarm, External Caller – Cell).
12. Click the corresponding **Add** icons and select the names of the following responsible persons:
 - **Call Taken By**—The user who is responsible for recording the call. Usually, the call taker is the person who creates the original Activity record.
 - **Initiated By**—The user who initiated the call and provided basic information for creation of the activity. Enter the initiator's **Contact Number** in the field on the left.
 - **Dispatched By**—The person who dispatches officers/organizations for the activity.

Supplemental Details

Call Source External Caller - Cell	Call Taken By Baker, Gordon	Dispatched By Davis, Ian
Contact Number 780 555 4444	Initiated By Zeyen, Jeff	

13. To enter a brief update to the activity's disposition or status, type the notes in the **Activity Notes** text box and click **Add Notes**. Each note will be supplied with a date stamp and the user name of the reporting person.

Note: Perspective will automatically supply the Activity record with an Activity Number when the record is saved.

Record an Officer's Response to an Activity

1. Select the **Responses** tab.
2. Select the **Officer Responses** sub-tab.
3. Click **Add New**. A pop-up window will open.

4. Select the responding officer's record from the **Officer Name** pick list.
5. The **Call Sign** field will auto-populate with the selected officer's call sign abbreviation.
6. Track the temporal progress of the officer's response specifying the following time points:
 - **Assigned Date/Time**—The date and time the officer was dispatched for the activity.
 - **Abandoned**—Check the **Abandoned** box if the officer has been assigned to the activity, but did not manage to carry out the response tasks due to the reassignment for another activity, or if they did not arrive at the site of the activity.
 - **Start Date/Time**—The date and time the officer started to respond to the activity.
 - **Arrived Date/Time**—The date and time the officer arrived on the activity's site.
 - **Cleared Date/Time**—The date and time the officer completed the activity and vacated the site.
7. Once the appropriate dates and times have been entered, the system will calculate how long it took the officer to respond (Response Time) and how long they remained on site (Time On Site).
8. Enter any additional information about the officer's response in the **Officer Response Notes** text box.

The screenshot shows a software window titled "Add New Record" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there are several input fields and controls:

- At the top left, there are "OK" and "Cancel" buttons.
- The "Officer Name" field contains "Norton, John" and has a small icon to its right.
- The "Call Sign" field is a dropdown menu showing "130C".
- The "Assigned Date/Time" field shows "19/05/2011 10:00 AM" with a calendar icon.
- Below it, the "Start Date/Time" field also shows "19/05/2011 10:00 AM" with a calendar icon.
- The "Arrived Date/Time" field shows "19/05/2011 10:05 AM" with a calendar icon.
- To the right of the "Assigned Date/Time" field is an unchecked checkbox labeled "Abandoned".
- Below the "Arrived Date/Time" field, the "Cleared Date/Time" field shows "19/05/2011 11:00 AM" with a calendar icon.
- To the right of the "Cleared Date/Time" field, the "Response Time" is calculated and displayed as "0 hrs 5 mins".
- Below the "Cleared Date/Time" field, the "Time On Site" is calculated and displayed as "0 hrs 55 mins".
- At the bottom, there is a text area labeled "Officer Response Notes" containing the text "Conducted evacuation of staff from the building."

9. Click **OK**. The new officer's response entity will be saved as an entry in the Officer Responses grid.

General Responses Requests Involvements Attachments Links Controls Audit History

Officer Responses Organization Responses

[Add New](#) [Edit](#) [Remove](#)


Total: 2

Officer Name	Call Sign	Assigned Date/Time	Start Date/Time	Arrived Date/Time	Cleared Date/Time	Response Time	Time On Site
Norton, John	130C	19/05/2011 10:00 AM	19/05/2011 10:00 AM	19/05/2011 10:05 AM	19/05/2011 11:00 AM	0.08 hrs	0.92 hrs
Durov, Alex	135A	19/05/2011 11:30 AM	19/05/2011 12:00 PM	19/05/2011 12:20 PM	19/05/2011 12:50 PM	0.17 hrs	0.5 hrs

Conducted evacuation of staff from the building.

CB: remnyakova - 24/05/2011 12:58:23 PM - LM: remnyakova - 24/05/2011 12:58:23 PM

Record an Organization's Response to an Activity

1. Select the **Responses** tab.
2. Select the **Organization Responses** sub-tab.
3. Click **Add New**. A pop-up window will open.
4. Select the responding organization's record from the **Organization** pick list. If the corresponding Organization record does not already exist, use the Quick Add function to create one.
5. The Organization Name field will now automatically populate with the linked organization's name. Depending on the data available, some additional fields may also populate with information drawn from the linked Organization record.
6. To add the organization's logo to the record, click the **Add** icon  in the image box.
7. Locate the image file in the browser window and click **Open**.
8. Specify the category of the organization's response (e.g., Emergency Service, Responding Service/Agency, Indirectly Involved) by selecting a description from the **Involvement Type** lookup list.
9. If applicable, input the organization's file, ID, or other tracking number in the **Organization Number** field.
10. Select the applicable **Organization Type** from the lookup list.
11. Specify the mode by which the organization has been notified of the activity in the **Notified By** lookup list.
12. If there is any documentation associated with the organization's response to the activity (e.g., a work order), note the associated tracking number in the **Reference Number** field.
13. Select the name of the organization's primary contact from the **Contact Person** pick list. If a Person record does not already exist for the individual, use Quick Add to create one.
14. Enter the contact person's phone number under **Contact Phone**.

15. Select the record of the person in the organization who responded to the activity from the **Responding Person** pick list and the record of the person who called the organization from the **Notified By Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
15. Track the temporal progress of the organization's response by specifying the following time points:
 - **Called Date/Time**—The date and time the organization was contacted about the activity. Check the **No Responses** box if the organization did not respond.
 - **Arrived Date/Time**—The date and time the organization arrived on site.
 - **Cleared Date/Time**—The date and time the responding organization vacated the site after having had completed the response.

16. Once the appropriate dates and times are entered, the system will calculate how long it took the organization to respond (Response Time) and how long they remained on site (Time On Site).
17. Enter any additional information about the organization's response in the **Response Notes** text box.
18. Click **OK**. The new organization's response entity will be saved as an entry in the Organization Responses grid.

[General](#)
[Responses](#)
[Requests](#)
[Involvements](#)
[Attachments](#)
[Links](#)
[Controls](#)
[Audit History](#)

[Officer Responses](#)
[Organization Responses](#)

[Add New](#)
[Edit](#)
[Remove](#)


Total: 2

Organization Type	Organization Name	Involvement Type	Called Date/Time	Arrived Date/Time	Cleared Date/Time	Response Time	Time On Site
Municipal Agency	Public Security Ser...	Responding Serv...	19/05/2011 10:1...			0.0 hrs	0.0 hrs
Municipal Agency	Metropolitan Fire a...	Responding Serv...	19/05/2011 10:2...	19/05/2011 10:30...	19/05/2011 11:30...	0.17 hrs	1.0 hrs

Arrived at 10:30, checked the building and left at 11:30.

CB: remnyakova - 20/05/2011 11:39:58 AM - LM: remnyakova - 20/05/2011 11:39:58 AM

Note an Action Request for an Activity

1. Select the **Requests** tab.
2. Select **Add New**. A pop-up window will open.
3. Select the requested organization's record from the **Organization** pick list. If the corresponding Organization record does not already exist, use the Quick Add function to create one.
4. The **Organization Name** field will now automatically populate with the linked organization's name. Depending on the data available, some additional fields may also populate with information drawn from the linked Organization record.
5. To add the organization's logo to the record, click the **Add** icon  in the image box.
6. Locate the image file in the browser window and click **Open**.
7. Specify the type of services offered by the requested organization selecting a description from the **Involvement Type** lookup list.
8. If applicable, input the organization's file, ID, or other tracking number in the **Organization Number** field.
9. Select the applicable **Organization Type** from the lookup list.
10. Specify the mode by which the action has been requested in the **Notified Type** lookup list (e.g., via Perspective DispatchLog, Investigator, or Control Center).
11. Note the organization's associated **Reference Number**.

12. Select the name of the requested organization's primary contact from the **Contact Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
13. Enter the contact person's phone number under **Contact Phone**.
14. Choose the appropriate description for the requested action (e.g., Maintenance, Escort, Window Repair) from the **Request Type** lookup list.
15. Select the record of the person who has been administered the request from the **Request Assigned To Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
16. Enter the date and time the request was made in the **Assigned Date/Time** field.
17. When the action is complete, input the **Completed Date/Time**.
18. If there is a tracking or other ID number assigned to the action request, enter it in the **Tracking Number** field.

19. Enter any additional **Request Notes**.
20. Click **OK**. The new action request entity will be saved as an entry in the Organization Responses grid.

[General](#)
[Responses](#)
[Requests](#)
[Involvements](#)
[Attachments](#)
[Links](#)
[Controls](#)
[Audit History](#)

[Add New](#)
[Edit](#)
[Remove](#)

Total: 1

Organization Type	Organization Name	Involvement Type	Request Type	Assigned Date/Time	Completed Date/Time	Request Assigned To Person
Corporation	Window Glass Repair...	Responding Servic...	Window Repair	20/05/2011 9:08 AM	20/05/2011 10:00 AM	Thiessen, Ryan

During the fire alarm evacuation 19/05/2011, an unknown person broke the second left window at the Front Entrance.

CB: remnyakova - 20/05/2011 11:39:58 AM - LM: remnyakova - 20/05/2011 11:39:58 AM

Identify All Persons Involved in an Activity

The Persons sub-tab in the Involvements tab provides space to record persons that have been involved in the selected activity. The procedures of identifying persons involved in an activity are identical to the processes described for Incident records with one exception: in an Activity record, there is no option to add a loss or recovery associated with the involved person. For details, please refer to the [“Identify All Involved Persons”](#) section.

Identify All Organizations Involved in an Activity

The Organizations sub-tab in the Involvements tab provides space to record organizations that have been involved in the selected activity. The procedures of identifying organizations involved in an activity are identical to the processes described for Incident records with one exception: in an Activity record, there is no option to add a loss or recovery associated with the involved organization. For details, please refer to the [“Identify All Involved Organizations”](#) section.

To note an action request sent to the organization, use the options under the Requests tab. For details, refer to the [“Note an Action Request for an Activity”](#) section.

To log the organization's response to the activity, use the options under the Responses tab. For details, refer to the [“Record an Organization's Response to an Activity”](#) section.

Document All Vehicles Involved in an Activity

The Vehicles sub-tab in the Involvements tab provides space to record vehicles that are involved in the selected activity. The procedures of identifying these vehicles are identical to the processes described for Incident records with one exception: in an Activity record, there is no option to add a loss or recovery associated with the involved vehicle. For details, please refer to the [“Document All Involved Vehicles”](#) section.

Identify All Items Involved in an Activity

The Items sub-tab in the Involvements tab provides space to record items that are involved in the selected activity. The procedures of identifying these items are identical to the processes described for Incident records with one exception: in an Activity record, there is no option to add a

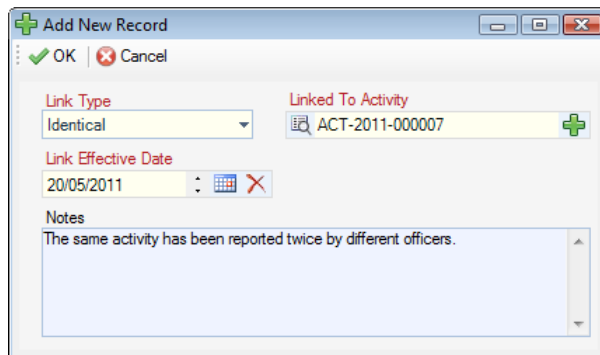
loss or recovery associated with the involved item. For details, please refer to the [“Identify All Involved Items”](#) section.

Attach a File to an Activity Record

Open the **Attachments** tab and complete the operation, as described in the [“Attach a File to a Record”](#) section in [“Incidents”](#) chapter.

Link an Activity to Another Activity

1. Select the **Links** tab.
2. Select the **Activity Links** sub-tab.
3. Click **Add New**. A pop-up window will open.
4. Specify how the two activities are related in the **Link Type** field (e.g., Identical, Common Location).
5. Select the activity that you want to link to the open activity from the **Linked to Activity** pick list.
6. Indicate the date that the two activities became associated with each other in the **Link Effective Date** field.
7. Type any additional information about the link in the **Notes** field.
8. Click **OK**.



9. After saving, the created link will be automatically cross-referenced in both Activity records under the Links tab. To review a complete record of an activity linked to the currently open activity, select the correct link from the list of Linked Activities and click **Go To**.

General	Responses	Requests	Involvements	Attachments	Links	Controls	Audit History
Activity Links Incident Links							
Add New Edit Remove Go to							
Number of Linked Activities: 2							
Linked From Activity	Linked To Activity	Link Type	Link Effective Date	Notes			
ACT-2011-000015	ACT-2011-000022	Identical	19/05/2011	Similar circumstances. Requires investigation.			
ACT-2011-000022	ACT-2011-000007	Identical	20/05/2011	The same activity has been reported twice by different officers.			

CB: remnyakova - 20/05/2011 4:05:32 PM - LM: remnyakova - 20/05/2011 4:05:32 PM

Link an Activity to an Incident

1. Select the **Links** tab.
2. Select the **Incident Links** sub-tab.
3. To create the link between an existing Incident record and your Activity record, click **Add New**. A pop-up window will open.
4. Specify how the activity and the incident are related in the **Link Type** field (e.g., Escalated to Investigation, Follow-up).
5. Select the appropriate incident from the **Linked To Incident** pick list.
6. Indicate the date that the activity became associated with the incident in the **Link Effective Date** field.
7. Type any additional information about the link in the **Notes** field.

8. Click **OK**. After saving, the created link will be automatically cross-referenced in the linked Incident record under the Links tab.

[General](#)
[Responses](#)
[Requests](#)
[Involvements](#)
[Attachments](#)
[Links](#)
[Controls](#)
[Audit History](#)

Activity Links Incident Links

[Add New](#)
[Edit](#)
[Remove](#)
[Go to](#)

Number of Linked Incidents: 2

Linked To Incident	Link Type	Link Effective Date	Notes
ADMI-2010-000102	Escalated to Investigation	27/05/2011	The activity has been escalated to an Incident record for further investigation.
ADMI-2010-000016	Common Location	21/05/2011	Both the activity and the linked incident occurred at the East Wing Front Entrance o...

CB: remnyakova - 20/05/2011 4:38:55 PM - LM: remnyakova - 20/05/2011 4:38:55 PM

Control an Activity Record's Processing Options

Set the Security Controls and Status of the Activity Record

1. Select the **Controls** tab; the Details sub-tab will open by default.
2. In the Controls section, fill out the **Org Level** fields to set the record visibility settings for the various hierarchically organized groups within your organization. Only users with organizational rollups corresponding to, or higher than, the organizational rollup you select for the record will have access to it.
3. In the **Access Level** field, set the security level from 1 to 5. Each security level corresponds to a specific security description, such as "Classified". Only users with the same security Access Level as the one you select (or higher) will be able to view the record.
4. Set the **Activity Status** to one of the following descriptors:
 - **Open - Report Required**—The meaning of "open" is dependent on your organization's definition of this status. Generally, an open record means that it is actively being worked on or, possibly, is inactive for a finite amount of time. This status would normally be assigned to an open activity that requires additional information.
 - **Closed - Report Completed**—The meaning of "closed" is dependent on your organization's definition of this status. Generally, a closed status means that the record is no longer being worked on due to completion or inactivity for an indefinite amount of time. This status would normally be assigned to a closed activity that is no longer being worked on and that contains a report.
 - **Closed - No Report**—This status would normally be assigned to a closed activity that is no longer being worked on and that does not contain a report.
5. Select the most appropriate description of the activity's current standing in the **Disposition** field (e.g., Inactive, Under Investigation, Waiting for Approval).
6. From the Record Owner pick list, select the Person record that corresponds to the individual who is responsible for the closing the record. If a Person record does not already exist for this individual, use the Quick Add function to create one.

7. If you want to archive the Activity record making it unavailable for users to access, check the **Archive (Record is not visible)** box.
8. If any policy, legislation, or business rule pertinent to your organization's procedures requires information about the record, or the persons involved in the record, to be kept for a certain length of time, enter the end date of that period in **Expiry Date**.

Note: No information will automatically be deleted on this date; it is for tracking purposes only.

General Responses Requests Involvements Attachments Links **Controls** Audit History

Details Standard Operating Procedures Assignments

Controls

Org Level 1 AccessLevel Level 4 ☐ Archive (Record is not visible)

Org Level 2 Activity Status Open - Report Required Record Owners Remnyakova, Svetl + -

Org Level 3 Disposition Under Investigation

Org Level 4 Expiry Date 20/05/2011

Workgroup Visibilities

Define Which Workgroups Can Access the Activity Record

In the Workgroup Visibilities section of the Details sub-tab, define access options for the record, as described in the [“Define Which Workgroups Can Access the Record”](#) section in the [“Incidents”](#) chapter.

Review the Standard Operating Procedures for the Activity Record's Specifications

Note: The function to review the Standard Operating Procedures (SOPs) for an Activity record is only available if the Activity's specifications correspond to a SOP that was previously recorded in the Administration component of Perspective. For further details, see the Perspective Administrator's Guide. If the Standard Operating Procedures sub-tab is absent, then there are no specific procedures to follow for this type of activity.

1. Select the **Controls** tab.
2. Select the **Standard Operating Procedures** sub-tab.
3. Review the **Procedure Description** of the Standard Operating Procedures (SOP) available for the activity's Call Category, Site, and/or Status.
4. Check off the SOP procedures that have been completed under **SOP Checklist**.

5. Click **Save**.
6. View the relevant **SOP Attachments** by double-clicking on them.
7. Click on the individual **SOP Links** to open the related network locations, files, or Web links.
8. To view mass notifications and/or individual email notifications that have been sent in relation to the activity, click on the **View Details** and the **View Email** hyperlinks correspondingly. The record of the selected notification will appear in a separate window.

The screenshot displays a web interface for reviewing SOPs for an Activity record. The top navigation bar includes tabs for General, Responses, Requests, Involvements, Attachments, Links, Controls (selected), and Audit History. Below this, the 'Details' sub-tab is active, showing the 'Standard Operating Procedures' section for a 'Security Activity: Facility Check'.

Key details visible include:

- Site:** Acme University/Administration Building
- Category:** Security Activity/Verification/Check/Facility Check
- Procedure Description:** The routine facility check is performed at the end of every working day, at 18:00, to confirm the integrity of the system settings of computers on site.
- SOP Checklist(s):** A list of tasks with checkboxes, including 'Examine possible modifications made to the sy', 'Examine possible modifications to data', 'Examine the facility for possible external tools', 'Look for possible external tool output', 'Review log files', and 'Check for systems possibly involved in intrusion'.
- SOP Attachment(s):** A link to 'STANDARD OPERATING PROCEDURE-3-22-04'.
- SOP Links(s):** Links to 'MIR3 inEnterprise Login Page' and 'SOP for Handling Security Incidents at Acme Univ'.

Additional notifications at the top right state: 'No Mass notification has been sent' and 'Notification sent on (08/12/2011 8:17:32 PM)' with a 'View Email...' link.

Figure 3.5.15: Reviewing SOPs for an Activity record's specifications

Give an Activity-Related Assignment to Another User


In the Assignments sub-tab, give an activity-related assignment to another user, as described in the [“Give a Record-Related Assignment to Another User”](#) section in the [“Incidents”](#) chapter.

Track Changes Made to an Activity Record

Open the Audit History tab and complete the operation, as described in the [“Track Changes Made to a Record”](#) section in the [“Incidents”](#) chapter.

Escalate an Activity Record to an Incident

If an Activity record has exceeded the scope of the provided Activity data form functions and requires a more detailed analysis and investigation, you may escalate it to a full-fledged Incident record on the basis of the information stored in the original Activity record.

To perform this operation, click on the **Create Incident**  button on the Viewing pane and complete the remaining Incident form data, as described in the [“Incidents”](#) chapter. All the data contained in the original Activity record that matches a regular Incident form will be copied to the new Incident record, while the Activity Notes will be saved as unsealed *Original Activity Notes* under the Narratives tab.



Click **Save** to assign the new Incident record an Incident Number and save it in the system. The new Incident record creation information will be documented under the Audit History tab as a *new* record action.

Note: The original Activity record will remain intact.

Items


Create a New Item Record

Perspective provides two ways to create a new Item record: with the help of the standard Add function, and by importing an Item record from the Gateway. To create an Item record using the standard Add function, follow the steps described below.

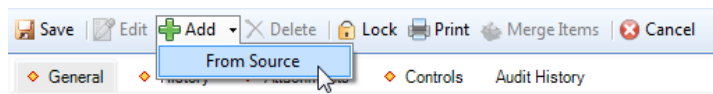
1. Click the **Add** button  on the Viewing pane toolbar.
2. Give the item a descriptive **Item Name**.
3. If known, type in the item's **Serial Number**.
4. Enter the item's exact or estimated value in the **Original Value** field.
5. Identify the general classification of the item by making selections from the **Item Category** and **Item Type** lookup lists. These fields are hierarchical.
6. Specify the **Item Make** and **Item Model**. These fields are hierarchical.
7. If the item's owner is known, check the **Owner Identified** box.
8. Then, select the name of the organization or person that owns the item from either the **Owner Name Organization** or **Owner Name Person** pick lists. If an Organization or Person record does not already exist, use the Quick Add function to create one.
9. Add comments about the item in the **Notes** field.
10. To add an image of the item to the record, click the **Add** icon  in the image box.
11. Locate the image file in the browser window and click **Open**.

To import a record from the Gateway, consult the [“Import Record’s Settings From the Gateway”](#) section.

Import Record’s Settings from the Gateway

The function to add a record by importing it from the Gateway is an additional method of creating a record that complements the standard method of the **Add** button . Both can be accessed from the Viewing pane toolbar.


1. Open the appropriate data form.
2. Click the small arrow to the right of the Add icon, and select **From Source**. The Import pop-up window will appear.



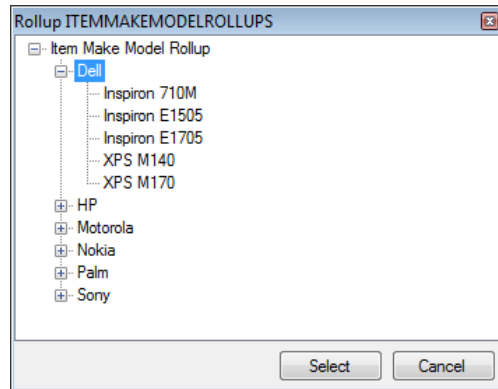
3. Select the **Gateway** sub-tab, if it is not displayed by default.
4. To display the top 1000 imported records that have been added to Perspective or are available to be added, click **Search**.


Note: Only items with the Available status in Gateway will be searched and displayed.

5. To search for a particular imported record, set specific search criteria:
 - a. In the **Field Name** lookup list, select the field that you want to set as the main criterion for narrowing your results.
 - b. Choose an **Operator** for the field (e.g., =, <>, Starts With, Ends With, Like).


- c. Enter the compared criterion **Value**. If the Selector button  is available, click it to display a tree of Value options in a separate window.



Note: You may choose any node of the tree as the defining criterion, making your comparison value as narrow hierarchically as you want.



- d. If you want to include a second field as an additional search criterion, select the **And** or **Or** radio buttons and complete the Field Name, Operator, and Value fields below. You may add as many search criteria as you want. To remove a field from your search criteria, click the Delete button .
- e. By default, your search will display the top 1000 imported records matching the criteria that you set. To display more or less than the top 1000 records, adjust the number in the **Select Top** field (from 1 to 2000).
- f. Click **Search** to generate a list of records matching your search criteria. A count of the number of records in the list, as well as the total number of imported records matching your search criteria, will be displayed at the bottom of the window.

To make changes to the ongoing search, click **Stop Search** first, and then make the necessary changes to the search criteria.

If you change your search criteria at some point, click **Refresh**  to update the record list according to the changes made.

6. Choose the correct record from the list and click **Import** . The pop-up window will close and the form fields of the new record will automatically populate with the selected record's information. To cancel the selection at any time, click **Close** .

State	Submit ID	Record ID	Item Name	Item Make/Model	Notes
Added	Source System ID	78755343	Laptop Computer	Dell/Inspiron E1705	Item Notes
Added	Source System ID	78755342	Laptop	Dell/Inspiron 710M	
Available	Source System ID	101010101	Laptop	Dell/Inspiron E1505	
Available	Source System ID	5251122448	Laptop Computer	Dell/Inspiron E1705	
Available	Source System ID	5251122443	Laptop Computer	Dell/Inspiron E1705	
Available	Source System ID	5251122442	Laptop	Dell/Inspiron E1505	Item Notes

View Record's Incident Involvements

1. Select the **History** tab. The Activity History sub-tab opens with a list of entities (i.e., Persons, Organizations, Vehicles, and Items) that have been involved in the record you are viewing.
 - a. The Incident History sub-tab displays a list of any modifications that have been made to the record since its creation.
2. To link all of an incident in the grid to a case (Perspective ICM and EIM only), select any incident in the grid and click **Add to Case**. A pop-up window will open.
3. Specify how the incidents are related to the case in the **Link Type** field (e.g., Similar M.O., Same Class, Location).
4. Select the appropriate case from the **Linked to Case** pick list.
5. Indicate the date that the incidents became associated with the case in the **Link Effective Date** field.
6. Type any additional information about the link in the **Notes** field.
7. Click **OK**.

8. Click **Save**.

Note: These links will automatically be cross-referenced in the linked case's record, as well as in each of the linked incidents' records, under the Links tab.

General History Attachments Controls Audit History								
Add to Case Go to								
Total: 8								
Incident Number	Class	Category	Occurred From Date/Time	Site	IncidentStatus	LossStatus	Investigation Start Date	
ADMI-2010-000124	Criminal	Theft	22/11/2010 4:20 PM	Site A/Building 1/Location 1/Se...	Open	Stolen	23/11/2010	
ADMI-2010-000125	Criminal	Break a...	24/11/2010 10:12 AM	British Columbia/Salmon Arm	Open			
ADMI-2011-01-00006	Criminal	Theft	20/01/2011 12:00 PM	Acme University/Administration...	Open			
INC-2009-000262	Non-C...		13/10/2009 4:36 PM		Open	Damaged		

Attach a File to an Item Record

Open the Attachments tab and complete the operation, as described in the [“Attach a File to a Record”](#) section in the [“Incidents”](#) chapter.

Control Record's Processing Options

Set the Security Controls and Status of the Record

1. Select the **Controls** tab; the Details sub-tab will open by default.
2. In the Controls section, fill out the **Org Level** fields to set the record visibility settings for the various hierarchically organized groups within your organization. Only users with organizational rollups corresponding to or higher than the organizational rollup you select for the record will have access to it.
3. In the Access Level field, set the security level from 1 to 5. Each security level corresponds to a specific security description, such as “Classified”. Only users with the same security Access Level as the one you select (or higher) will be able to view the record.
4. If you want to archive the record making it unavailable for users to access, check the **Archive (Record is not visible)** box.

Details

Controls

Org Level 1: North America

Access LevelID: Level 3

☐ Archive (Record is not visible)

Org Level 2: Canada

Org Level 3: Alberta

Org Level 4: Edmonton

Workgroup Visibilities

Define which workgroups can access the record

1. In the **Workgroup Visibilities** section, give one workgroup the ability to read and modify the record by selecting them under **Owner Workgroup (Full Rights)**. Initially, the field will contain the name of your default workgroup. Once you attempt to change it, the system will display a confirmation dialog asking you if the “Full Access” rights that belong to the original owner workgroup should be transferred to the workgroup you have chosen. Click **OK** if the change was intentional.
2. Determine the access right for All Other Workgroups, selecting from the Read, Update, or None access right options.
3. To set customized access for a workgroup that does not conform to the other control settings specified, click **Add Exception(s)**. A pop-up window will open.
 - a. Select the workgroup and then select the workgroup’s visibility for this record (Read, Update, or None). Continue to customize workgroup visibility for as many workgroups as you like.

Note: Workgroup visibility exceptions override the access settings assigned under All Other Workgroups.

Workgroup	Update	None
Workgroup A	<input type="checkbox"/>	<input type="checkbox"/>
Workgroup B	<input type="checkbox"/>	<input type="checkbox"/>
Workgroup C	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Workgroup D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Workgroup E	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel

- b. Click **OK**. The selected workgroups and their corresponding modified access settings will be transferred to the grid in the Viewing pane of the main window.

General History Attachments **Controls** Audit History

Details

Controls

Workgroup Visibilities

Owner Workgroup (Full Rights) Advanced Users All Other Workgroups Read

+ Add Exception(s) X Remove

Workgroup	Update	None
Workgroup A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Workgroup B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Workgroup C	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Workgroup D	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Track Changes Made to an Item Record

Open the Audit History tab and complete the operation, as described in the [“Track Changes Made to a Record”](#) section in the [“Incidents”](#) chapter.



Persons

Create a New Person Record


Note General Details of the Person

Perspective provides four ways to create a new Person record: with the help of the standard Add function, by importing a Person record through your Microsoft Outlook Contacts, Microsoft Active Directory®, or from the Gateway.

To create a Person record using the standard Add function, follow the steps described below:

1. Click the **Add** button  on the Viewing pane toolbar.
2. Enter the person's **Title** (e.g., Mr. or Mrs.) and **Designation** (e.g., B.Sc. or Chartered Accountant).
3. Type their **First Name**, **Last Name**, and middle **Initial**.
4. Specify their **Date of Birth**, **Gender**, and **Marital Status**.
5. Identify the person's physical characteristics, including **Eye Color**, **Hair Color**, **Height**, and **Weight**.
6. Add any other relevant personal information or notes in the **Additional Information** box.
7. To add a photo of the person to the record, click the **Add** icon  in the image box.
8. Locate the image file in the browser window and click **Open**.

To add a person imported through your Microsoft Outlook Contacts or Microsoft Active Directory:

1. Click the down arrow to the right of the **Add** icon .
2. Click **From Source**.



3. In the pop-up window, select the tab that corresponds to your source (i.e., Active Directory or Outlook Contacts).
4. Find and select the correct person from the source list.
5. Click **Import**. The pop-up window will close and some of the Person form's fields will automatically populate with the selected person's information.

To import person's settings from the Gateway, perform the steps described in the ["Import Record's Settings From the Gateway"](#) section in the ["Items"](#) chapter.

Identify the Person's Unique Features

1. In the Unique Features section, click **Add New**. A pop-up window will open.
2. Select the appropriate descriptor of the person's unique feature from the **Feature Type** lookup list (e.g., Distinguishing Marks, Ethnic/Racial, Scars/Disfigurements, Tattoos).
3. Specify the **Location** of the unique feature on the person's body, and provide its **Description**.

The screenshot shows a 'Add New Record' dialog box. It has a title bar with a green plus icon and standard window controls. Below the title bar are 'OK' and 'Cancel' buttons. The main area contains three fields: 'Feature Type' is a dropdown menu with 'Distinguishing Marks' selected; 'Location' is a text input field with 'Left side of forehead' entered; 'Description' is a text area with 'Birth mark' entered.

4. Click **OK**.

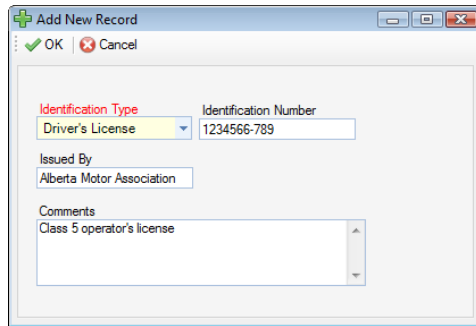
The screenshot shows the 'Unique Features' section of the application. At the top are tabs: 'General' (selected), 'Contact(s)', 'Links', 'History', 'Attachments', 'Controls', and 'Audit History'. Below the tabs is a section titled 'Unique Features' with sub-links 'Add New', 'Edit', and 'Remove'. It shows 'Total: 2' items. A table displays the following data:

Feature Type	Location	Description
Distinguishing Marks	Left side of forehead	Birth mark
Tattoos	Left shoulder	Snake

Below the table are expandable sections: 'Identifications', 'Trespass Details', and 'Flags Details'.

Record the Person's Pieces of ID

1. In the Identifications section, click **Add New**. A pop-up window will open.
2. Specify the **Identification Type** (e.g., Driver's License or Birth Certificate) and the **Identification Number**.
3. Identify the organization/governing body that issued the identification in the **Issued By** field.
4. Add any other notes in the **Comments** text box.



The 'Add New Record' dialog box contains the following fields:

- Identification Type:** A dropdown menu with 'Driver's License' selected.
- Identification Number:** A text box containing '1234566-789'.
- Issued By:** A text box containing 'Alberta Motor Association'.
- Comments:** A text area containing 'Class 5 operator's license'.

Buttons for 'OK' and 'Cancel' are at the top left.

- Click **OK**.

General

Contact(s)

Links

History

Attachments

Controls

Audit History

Unique Features

Identifications

Add New

Edit

Remove


Total: 2

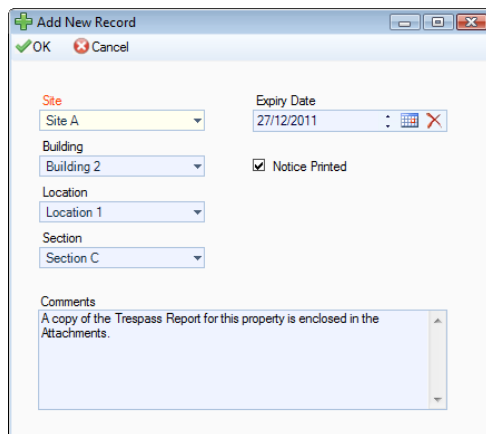
Identification Type	Identification Number	Issued By	Comments	
Driver's License	1234566-789	Alberta Motor Association	Class 5 operator's license	
Birth Certificate	59-01-012345	Regina, Saskatchewan, Department of Public Health	Birth date: March 27, 1980	

Trespass Details

Flags Details

Document the Person's Trespass Details

- In the Trespass Details section, click **Add New**  A pop-up window will open.
- Specify the **Site**, **Building**, **Location**, and **Section** where the trespass occurred.
- If a trespassing notice was created, check the **Notice Printed** box.
- If there is an expiry date for the trespassing notice, or for the offence, enter this in the **Expiry Date** field.
- Include any additional information about the trespass under **Comments**.

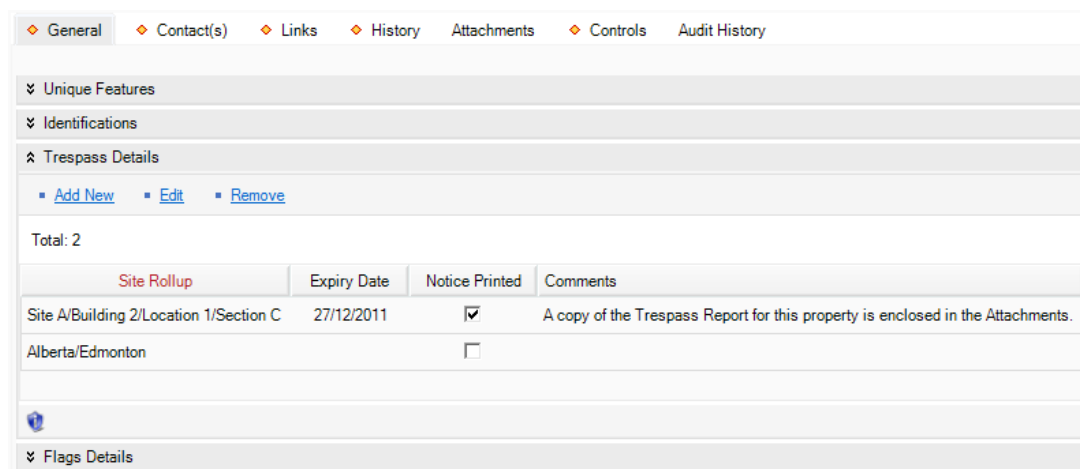


The 'Add New Record' dialog box contains the following fields and controls:

- Site:** A dropdown menu with 'Site A' selected.
- Expiry Date:** A date field showing '27/12/2011' with a calendar icon and a close button.
- Building:** A dropdown menu with 'Building 2' selected.
- Location:** A dropdown menu with 'Location 1' selected.
- Section:** A dropdown menu with 'Section C' selected.
- Notice Printed:** A checkbox that is checked.
- Comments:** A text area containing the text: 'A copy of the Trespass Report for this property is enclosed in the Attachments.'

Buttons at the top: OK (green checkmark), Cancel (red X).

6. Click **OK**.



The main application window displays a tabbed interface with the following tabs: General, Contact(s), Links, History, Attachments, Controls, and Audit History. The 'General' tab is active.

Under the 'Trespass Details' section, there are links for 'Add New', 'Edit', and 'Remove'. Below these links, it shows 'Total: 2'.

Site Rollup	Expiry Date	Notice Printed	Comments
Site A/Building 2/Location 1/Section C	27/12/2011	<input checked="" type="checkbox"/>	A copy of the Trespass Report for this property is enclosed in the Attachments.
Alberta/Edmonton		<input type="checkbox"/>	

At the bottom of the window, there is a 'Flags Details' section.

Flag the Person

1. In the Flag Details section, select each flag's **Status** (i.e., Yes, No, or Unknown), depending on whether or not the flag applies to the person. Also, select the **Severity** of the flag. Examples of flags include Violent, Trespasser, and Wanted.
2. Type any other comments under **Flag Notes**.

Description	Status	Severity
W Wanted	Yes	Critical
V Violent	No	
T Trespasser	Yes	High
I Infectious	Unknown	

Flag Notes
Multiple trespass notices issued.

Record Contact Information

1. Select the **Contact(s)** tab.
2. In the Address section, click **Add New**. A pop-up window will open.
 - a. Specify the **Address Type** (e.g., Business, Head Office).
 - b. Enter the person's full address in the fields provided.
 - c. If the address entered is the person's main address, check the **Primary Address** box.
 - d. Click **OK**.

Add New Record

OK Cancel

Address Type: Home

Primary Address? ☒

Address 1: 671 Nicholas Street

Country: Canada

Address 2:

State/Province: Alberta

ZIP / Postal Code: A1B 2C3

City: Edmonton

3. In the Phone Numbers section, click **Add New**. A pop-up window will open.
 - a. Select the **Phone Type** (e.g., Main, Work).
 - b. Enter the person's **Phone Number**. To avoid duplicate entries and to facilitate accurate searches, it is best to use a consistent format when entering phone numbers (e.g., hyphens in place of spaces, no parentheses).

- c. If the phone number entered is the person's main number, check the **Primary Phone** box.
- d. Click **OK**.

The screenshot shows a dialog box titled "Add New Record" with "OK" and "Cancel" buttons. It contains a "Phone Type" dropdown menu set to "Cell", a "Phone Number" text field with the value "17804344402", and a checked checkbox labeled "Primary Phone?".

4. In the **Email Address** section, click **Add New**. A pop-up window will open.
 - a. Specify the **Email Type** (e.g., Home, Work, etc.).
 - b. Enter the person's **Email Address**.
 - c. If the email address is the person's main email address, check the **Primary Email** box.
 - d. Click **OK**.

The screenshot shows a dialog box titled "Add New Record" with "OK" and "Cancel" buttons. It contains an "Email Type" dropdown menu set to "Work", an "Email Address" text field with the value "kathy.howard@mywork.ca", and a checked checkbox labeled "Primary Email?".

5. Add as many contact entries as you want.

The screenshot shows the main contact management interface with the "Contact(s)" tab selected. It displays three sections: Address, Phone Numbers, and Email Address, each with a table of entries.

Address					
Total: 1					
Primary Address?	Address Type	Address 1	Address 2	Geographic Rollup	ZIP / Postal Code
<input checked="" type="checkbox"/>	Home	671 Nicholas Street		Canada/Alberta/Edmonton	A1B 2C3

Phone Numbers		
Total: 2		
Primary Phone?	Phone Type	Phone Number
<input checked="" type="checkbox"/>	Home	17805550987
<input type="checkbox"/>	Cell	17804344402

Email Address		
Total: 1		
Primary Email?	Email Type	Email Address
<input checked="" type="checkbox"/>	Work	kathy.howard@mywork.ca

Link a Record to a Person

1. Select the **Links** tab.
2. In the **Person Links** section, click **Add New**. A pop-up window will open.
3. Indicate how the record is related to the person in the **Link Type** field (e.g., Partner, Employer, Driver).
4. Select the person you want to link to the record from the **(Linked To) Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
5. Enter the date that the person became associated with the record in the **Link Effective From Date** field. If this association no longer exists, indicate the date that it terminated in the **Link Effective To Date** field.
6. Type any additional information about the link in the **Notes** text box.
7. Click **OK**.

8. Once you click **Save** to save the changes made to the record, this link will automatically be cross-referenced in both the current record and linked Person record under the Links tab.

General

Contact(s)

Links

History

Attachments

Controls

Audit History

Person Links

Add New

Edit

Remove

Go to

Total: 2

Linked From Person	Linked To Person	Link Type	Link Effective From Date	Link Effective To Date	Notes
Howard, Katherine M	Brown, Jeff L	Partner	12/07/2007		Mr Brown works at the same department as does Ms...
Howard, Katherine M	Freemark, Craig G	Associate	05/10/2010	25/11/2010	

Organization Links

Vehicle Links

Link a Record to an Organization

1. Select the **Links** tab.
2. In the **Organization Links** section, click **Add New**. A pop-up window will open.
3. Specify how the record and the organization are related in the **Link Type** field (e.g., Employer, Parent Company, Owns/Owned By).
4. Select the organization you want to link to the record from the **Organization** pick list. If an Organization record does not already exist, use the Quick Add function to create one.
5. Enter the date that the record and the organization became associated with each other in the **Link Effective From Date** field. If this association no longer exists, indicate the date that it terminated in the **Link Effective To Date** field.
6. Type any additional information about the link in the **Notes** text box.
7. Click **OK**.

8. Once you click **Save** to save the changes made to the record, this link will automatically be cross-referenced in both the current record and the linked Organization record under the Links tab.

General

Contact(s)

Links

History

Attachments

Controls

Audit History

Person Links

Organization Links

Add New

Edit

Remove

Go to

Total: 2

Organization	Link Type	Link Effective From Date	Link Effective To Date	Notes
Advanced Security Inc.	Employer	12/07/2007		Ms Howard has been employed as an Administrative Assistant at the Adv...
PPM 2000 Inc.	Affiliate	24/08/2005		

Vehicle Links

Link a Record to a Vehicle

1. Select the **Links** tab.
2. In the **Vehicle Links** section, click **Add New**. A pop-up window will open.
3. Specify how the record and the vehicle are related in the **Link Type** field (e.g., Registered Owner, Owns/Owned By, Same Fleet).
4. Select the vehicle you want to link to the record from the **Vehicle** pick list. If a Vehicle record does not already exist, use the Quick Add function to create one.
5. Enter the date that the record and the vehicle became associated with each other in the **Link Effective From Date** field. If this association no longer exists, indicate the date that it terminated in the **Link Effective To Date** field.
6. Type any additional information about the link in the **Notes** text box.
7. Click **OK**.

8. Once you click **Save** to save the changes made to the record, this link will automatically be cross-referenced in both the current record and linked Vehicle record under the Links tab.

General Contact(s) Links History Attachments Controls Audit History					
Person Links					
Organization Links					
Vehicle Links					
Add New Edit Remove Go to					
Total: 2					
Vehicle	Link Type	Link Effective From Date	Link Effective To Date	Notes	
PPP-616 - Honda/Odyssey	Passenger	06/02/2008	10/02/2009		
URV-345 - BMW/M3	Driver	09/06/2009		VIN: 4LUKPI2222M333333	

View Person's Incident Involvements

Access the **History** tab and complete the operation, as described in the [“Items”](#) section, the [“View Record's Incident Involvements”](#) chapter.

The Persons Data Form has an additional sub-tab; Detailed Person History. This sub-tab shows a detailed history view of every time the person in the record you are looking at was linked or referenced in Perspective.

Attach a File to a Person Record

Open the **Attachments** tab and complete the operation, as described in the [“Incidents”](#) section, the [“Attach a File to a Record”](#) chapter.

Control a Person Record's Processing Options

Set the Security Controls and Status of the Person Record

1. Select the **Controls** tab; the **Details** sub-tab will open by default.
2. In the **Controls** section, fill out the **Org Level** fields to set the record visibility settings for the various hierarchically organized groups within your organization. Only users with organizational rollups corresponding to or higher than the organizational rollup you select for the record will have access to it.
3. In the **Access Level** field, set the security level from 1 to 5. Each security level corresponds to a specific security description, such as “Classified”. Only users with the same security Access Level as the one you select (or higher) will be able to view the record.
4. If you want to archive the record making it unavailable for users to access, check the **Archive (Record is not visible)** box.
5. Check the **Employee** box, if the person is employed by your organization, and then enter the person's **Employee Number**.

The screenshot shows the 'Controls' tab selected in the top navigation bar. Below it, the 'Details' sub-tab is active. The 'Controls' section is expanded, showing the following fields:

- Org Level 1:** North America
- Org Level 2:** Canada
- Org Level 3:** Alberta
- Org Level 4:** Edmonton
- Access Level:** Level 1 (Lowest)
- Archive (Record is not visible):** ☐
- Employee Number:** ADMIN-5687
- Employee:** ☒

At the bottom, there is a section for 'Workgroup Visibilities' which is partially visible.

Define Which Workgroups Can Access the Person Record

In the **Workgroup Visibilities** section, define access options for the record, as described in the “[Incidents](#)” section, the “[Define which workgroups can access the record](#)” chapter.

Track Changes Made to a Person Record




Open the **Audit History** tab and complete the operation, as described in the “[Incidents](#)” section, the “[Track changes made to a record](#)” chapter.

Organizations

Create a New Organization Record

Perspective provides two ways to create a new Organization record: with the help of the standard Add function, and by importing an Organization record from the Gateway.

To create an Organization record using the standard Add function:

1. Click the **Add** button  on the Viewing pane toolbar.
2. Enter the **Organization Name**.
3. If known, input the organization's file, ID, or other tracking number in the **Organization Number** field.
4. Choose the appropriate description from the **Organization Type** lookup list.
5. If the organization has a Web site, specify the Web address under **Organization Webpage URL**. Clicking the adjacent Microsoft Internet Explorer® icon  will open the Web page in a separate browser window.
6. Enter any additional information about the organization in the **Notes** box.
7. To add an **image** to the Organization record, click the **Add** icon  in the image box. Locate the image file in the browser window and click **Open**.

The screenshot shows a web-based form for editing the record of the Metropolitan Police Service. The title bar at the top reads "Metropolitan Police Service C-9870-D". Below the title bar is a menu bar with icons for Save, Edit, Add, Delete, Lock, Print, Merge Organizations, and Cancel. A tabbed interface below the menu bar shows "General" as the active tab, with other tabs for Contact(s), Links, History, Attachments, Controls, and Audit History. The form contains several input fields: "Organization Name" (Metropolitan Police Service), "Organization Number" (C-9870-D), "Organization Type" (Municipal Agency), and "Organization Webpage URL" (www.metropolitanps.com). To the left of these fields is a logo for the Metropolitan Police Service. Below the input fields is a "Notes" section with a text area containing "Est. 1955.".

To import organization's settings from the Gateway, perform the steps described in the ["Items"](#) section, the ["Import Record's Settings from the Gateway"](#) chapter.

Record an Organization's Contact Information

Open the **Contact(s)** tab and complete the operation, as described in the ["Persons"](#) section, the ["Record Contact Information"](#) chapter.

Link an Organization to a Person

Select the **Link** tab and complete the operation, as described in the ["Persons"](#) section, the ["Link a Record to a Person"](#) chapter.

Link an Organization to Another Organization

Select the **Link** tab and complete the operation, as described in the ["Persons"](#) section, the ["Link a Record to an Organization"](#) chapter.

Link an Organization to a Vehicle

Select the **Link** tab and complete the operation, as described in the ["Persons"](#) section, the ["Link a record to a vehicle"](#) chapter.

View Organization's Incident Involvements

Access the **History** tab and complete the operation, as described in the ["Items"](#) section, the ["View Record's Incident Involvements"](#) chapter.

Attach a File to an Organization Record

Open the **Attachments** tab and complete the operation, as described in the “[Incidents](#)” section, the “[Attach a File to a Record](#)” chapter.

Control an Organization Record's Processing Options

For control options available for Organization records, refer to the “[Items](#)” section, the “[Control Record's Processing Options](#)” chapter.

Track Changes Made to an Organization Record



Open the **Audit History** tab and complete the operation, as described in the “[Incidents](#)” section, the “[Track Changes Made to a Record](#)” chapter.

Vehicles

Create a New Vehicle Record

Perspective provides two ways to create a new Vehicle record: with the help of the standard Add function, and by importing a Vehicle record from the Gateway.


To create a Vehicle record using the standard Add function, do the following steps:

1. Click the **Add** button  on the Viewing pane toolbar.
2. Enter the **License Plate** number. To avoid duplicate entries and to facilitate accurate searches, it is best to use a consistent format for entering license plate numbers (e.g., no spaces or special characters).
3. If known, indicate where the vehicle's license plate was registered in the **Country** and **State/Province** fields.
4. If known, enter the vehicle's **VIN**, **Vehicle Value**, and **Year**.
5. Specify the vehicle's **Make**, **Model**, **Style**, and **Color**.
6. If the vehicle is a company vehicle, specify the **Division** and **Branch** it belongs to.
7. Add any additional information in the **Comments** text box.
8. To add a **photo** of the vehicle to the record, click the **Add** icon  in the image box. Locate the image file in the browser window and click **Open**.

URV-345 BMW/M3

Save | Edit | Add | Delete | Lock | Print | Merge Vehicles | Cancel

General | Links | History | Attachments | Controls | Audit History


 License Plate: URV-345
 VIN: 4LUKPI2222M333333
 Vehicle Value: \$ 103,250.00 USD
 Year: 2007

License Plate Registered In: Canada
 State/Province: Alberta

Make: BMW | Style: 2 Door | Division: Security
 Model: M3 | Color: Green | Branch: Operations

Comments: Bought in 2010.

To add a vehicle imported through the Gateway, perform the steps described in the [“Items”](#) section, the [“Import Record’s Settings From the Gateway”](#) chapter.

Link a Vehicle to a Person

Select the **Link** tab and complete the operation, as described in the [“Persons”](#) section, the [“Link a Record to a Person”](#) chapter.

Link a Vehicle to an Organization

Select the **Link** tab and complete the operation, as described in the [“Persons”](#) section, the [“Link a Record to an Organization”](#) chapter.

Link a Vehicle to Another Vehicle

Select the **Link** tab and complete the operation, as described in the [“Persons”](#) section, the [“Link a Record to a Vehicle”](#) chapter.

View Vehicle’s Incident Involvements

Access the **History** tab and complete the operation, as described in the [“Items”](#) section, the [“View Record’s Incident Involvements”](#) chapter.

Attach a File to a Vehicle Record

Open the **Attachments** tab and complete the operation, as described in the [“Incidents”](#) section, the [“Attach a File to a Record”](#) chapter.

Control a Vehicle Record's Processing Options

Set the Security Controls and Status of the Vehicle Record

1. Select the **Controls** tab; the **Details** sub-tab will open by default.
2. In the **Controls** section, fill out the **Org Level** fields to set the record visibility settings for the various hierarchically organized groups within your organization. Only users with organizational rollups corresponding to or higher than the organizational rollup you select for the record will have access to it.
3. In the **Access Level** field, set the security level from 1 to 5. Each security level corresponds to a specific security description, such as "Classified". Only users with the same security Access Level as the one you select (or higher) will be able to view the record.
4. If you want to archive the record making it unavailable for users to access, check the **Archive (Record is not visible)** box.
5. Check the **Company Vehicle** box if the vehicle belongs to your organization.

The screenshot shows the 'Controls' tab selected within a 'Details' sub-tab. The 'Controls' section contains several dropdown menus for 'Org Level' (1 through 4) and an 'Access Level' dropdown. The 'Org Level 1' dropdown is set to 'Europe', 'Org Level 2' to 'UK', and 'Org Level 3' to 'England'. The 'Access Level' dropdown is set to 'Level 4'. To the right of these fields are two checkboxes: 'Archive (Record is not visible)' which is unchecked, and 'Company Vehicle' which is checked. Below the 'Controls' section is a collapsed section titled 'Workgroup Visibilities'.

Define Which Workgroups Can Access the Vehicle Record

In the **Workgroup Visibilities** section, define access options for the record, as described in the "Incidents" section, the ["Define Which Workgroups Can Access the Record"](#) chapter.

Track Changes Made to a Vehicle Record

Open the **Audit History** tab and complete the operation, as described in the "Incidents" section, the ["Track Changes Made to a Record"](#) chapter.

Merge Records

The **Merge** function is only available on four Perspective's data forms, i.e., Items, Persons, Organizations, and Vehicles. It is a method of merging partially duplicate records that

correspond to a single physical referent (e.g., an item, a person, an organization, or a vehicle). The function is represented by the **Merge** button on the Viewing pane toolbar.

Note: The Merge function is irreversible and cannot be undone. Be absolutely certain you want to merge records before proceeding!

1. Open a record that will function as the **primary record** of your merging process, typically, the one with the most accurate information and the most details.
2. Click the **Merge** button on the Viewing pane. A Quick Merge form will open with the general details of the selected record on the left, and an equivalent blank record form on the right.
3. Select the appropriate **Secondary Record** with which you would like to merge the primary record from the pick list at the top of the blank form.

The blank form will populate with the data contained in the General tab of the selected record. The checkmarks will mark the pieces of information that can be merged between the records. For the fields, where the secondary record contains no information, the checkmarks will be inactive. This means that the corresponding values in the primary record will remain unchanged.

4. Select (or deselect) the fields in the second form you want to save (or leave out) using the appropriate checkmarks.

Click **Select/Deselect All** to toggle the selection of all the available data fields for merging.

Note: Deselecting all fields in the secondary record form does not mean that the merging of the records will not occur. The Merge function performs both merging of the general data that is displayed in the Quick Merge form, as well as the rest of the data that is contained in the merging records and hidden from the Quick Merge forms (e.g., contacts, attachments, links, history).

5. Click **Merge**.

Quick Merge Items

Primary Record: Laptop Computer

Secondary Record: Laptop

Item Name: Laptop Computer

Serial Number: XTP-400S

Original Value: 2135.00

Item Class Rollup: Corporate Property/Laptop

Item Make Model Rollup: Dell

Owner Identified: Yes

Owner Name Organization: Zeyen, Jeff

Owner Name Person: Zeyen, Jeff

Notes: Located at the cubicle ADMIN-77.

User Defined Fields:

Field Name	Field Value
Expected Return \$	
Company Id Tag	

Item Name: Laptop

Serial Number: XTP-400S

Original Value:

Item Class Rollup:

Item Make Model Rollup: Dell/Inspiron E1705

Owner Identified: Yes

Owner Name Organization: Sydney Police Service

Owner Name Person: Woods, Victoria

Notes: Bought in 2010.

User Defined Fields:

Field Name	Field Value	Keep Value?
Expected Return \$	300.00	<input checked="" type="checkbox"/>
Company Id Tag	487WF	<input checked="" type="checkbox"/>

Select/Deselect All

Cancel Merge

6. Once the merging of the selected records is complete, a confirmation dialog will be displayed. Click **OK**. The secondary record will disappear from the Listing pane, while the resulting merged record will display in the Viewing pane in editing mode.



The result of the merge will be a single record that contains the following components:

- a. The values from the primary record data (including the image of the record's reference item, person, organization, or vehicle, and the user defined fields) that were not selected for merging on the secondary record form;
- b. The values of the secondary record data (including the image of the record's reference item, person, organization, or vehicle, and the user defined fields) that were selected for merging on the secondary record form;
- c. The *hidden* data entries pulled from *both* the primary and the secondary record that correspond to all or some of the following data types:

The records' **Contacts**: Addresses, Phone Numbers, Email Addresses;

The records' **Links**: Person, Organization, and Vehicle Links;

The records' **Histories** of all incident involvements;

The records' **Attachments**;

If you were merging two Person records, the data will also be pulled from the **Unique Features**, **Identifications**, and **Trespass Details** sections from both records.

The data that never gets merged (i.e., that is left unchanged, with the primary record's values) includes the settings of the **Controls** tab. If you were merging two Person records, the **Flags Details** contained in the primary record will be saved as the default settings for the resulting merged record too.

Under the **Audit History** tab, the occurred merge is documented with the help of two Record Action entries: the Merge entry stands for the occurred merging of the records' general and hidden data, whereas the Update entry documents the merging of the specific fields in the primary and the secondary record forms.

Laptop Corporate Property/Laptop

Save Edit Add Delete Lock Print Merge Items Cancel

General History Attachments Controls **Audit History**

Get Audit History

Drag a column header here to group by that column.

DateTime (GMT)	UserID	Record Action	Control Changes	Machine Info
2011/08/26 10:51:53	remnyakova	Update		192.168.1.94
2011/08/26 10:51:53	remnyakova	Merge		192.168.1.94
2011/08/26 10:44:23	remnyakova	New		192.168.1.94

Details (Updated)

- ItemName
 - Before: Laptop Comp
 - After: Laptop
- ItemMakeModelRollupID
 - Before: d0609624-332d2
 - After: 618d47d2-51720a
- ItemMakeModelRollup
 - Before: Dell
 - After: Dell/Inspiron E
- OwnerNameOrganization
 - Before: (NULL)
 - After: dc20d681-bfde6ed
- OwnerOrganizationDescr
 - Before: (NULL)
 - After: Sydney Police
- OwnerNamePersonID
 - Before: c672267f-b340f3
 - After: 3c0dc13c-d65466c
- OwnerPersonDescription
 - Before: Zeyen, Jeff
 - After: Woods, Victor
- udfExpectedReturn
 - Before: (NULL)
 - After: 300.00


Summary - Laptop

Record Count: 3
 User: remnyakova
 Record Action: Update
 Date/Time
 Yours: 26/08/2011 4:51:53 PM
 Users: 26/08/2011 4:51:53 PM
 GMT: 26/08/2011 10:51:53 PM

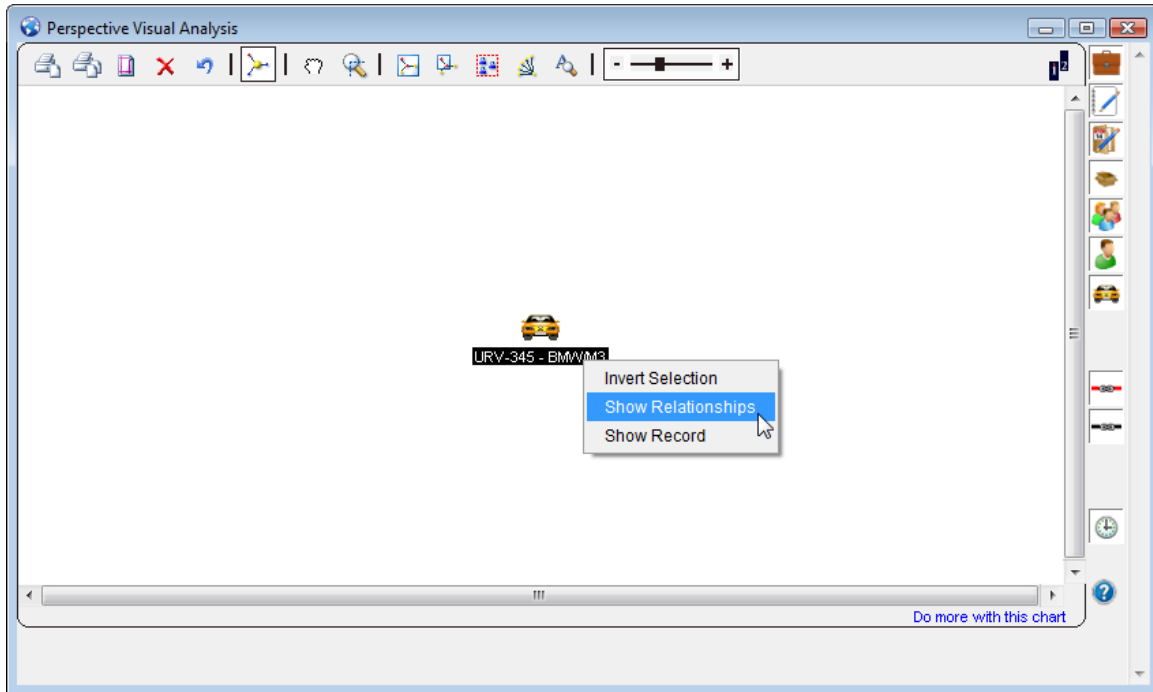
- Scan the final record for possible repetitions of data that were merged and resulted in unintentional duplication of the same information.
- Click **Save** to save the changes made.

Construct a Visual Link Chart for a Record

Visual Analysis allows you to create a visual link chart representing the data relationships between the selected types of records.

To activate this function, select the main record of focus (e.g., a Person record) in the Viewing pane and click the **Visual Analysis** icon  on the Ribbon. A separate Perspective Visual Analysis window will open with the selected record displayed as an icon in the centre.

See the [Perspective Visual Analysis](#) section for further information on building a link chart.



Analyze and Report

The Analyze and Report module includes three components: Analysis Expert, Reports, and Custom Reports.

Analysis Expert: Analysis Expert is an internal search engine that scans the data in all Activity, Incident, Case (Perspective ICM and EIM only), Item, Person, Organization, and Vehicle records, and returns results that meet the defined search requirements.

Reports: Perspective contains a number of preset reports that you may use to generate statistics and analyze trends in your data.

Custom Reports: You have the ability to take queries that you've built in Analysis Expert and customize them into custom reports.

Analysis Expert

Analysis Expert is an internal search engine that scans the data in all Activity, Incident, Case (Perspective ICM and EIM only), Item, Person, Organization, and Vehicle records, and returns results that meet the defined search requirements. Search results reflect assigned user access rights and privileges. Use Analysis Expert to create a query, and then turn your query's results into a spreadsheet, a chart, a printed grid, or a report.

User Interface

The interface of the Analysis Expert component transforms according to the stages of query building, by which it evolves into two separate screens – the initial **query designer** window and the subsequent **query results** window.

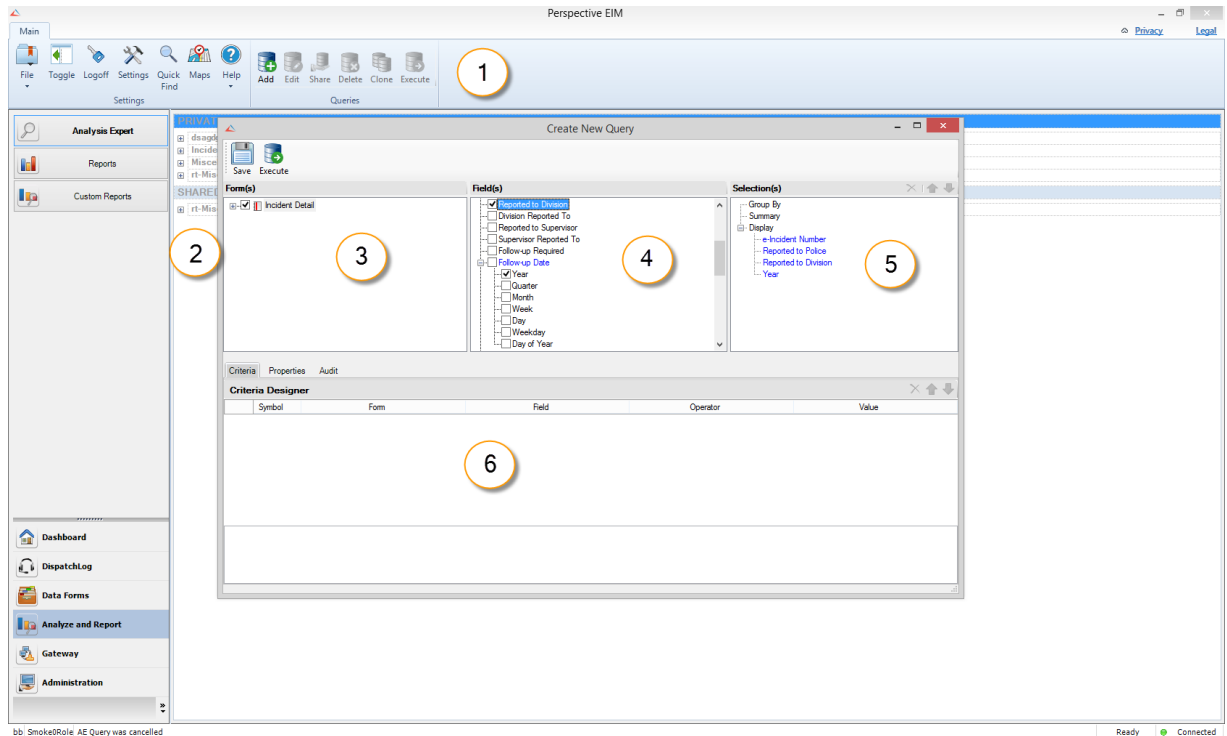
The query designer window of Analysis Expert enables you to set specific query criteria, grouping and search options, and is aimed at producing optimal query results. It is divided into the following six sections:

1. **Ribbon:** Contains an additional set of buttons that perform saving, adding, cloning, deletion, sharing, and execution of queries.

Note: Some functions of the Ribbon buttons are accessible directly from the right-click menu of a record entry or a query. Specifically, you may add, clone, share, remove, rename, execute it, and edit a query by right-clicking the corresponding query entry and selecting the relevant option in the menu.

2. **Listing pane:** Arranges queries that you create according to their access options (i.e., Shared Queries or Private Queries) and query category. By default, all new queries are Private Queries available only to the user who created them. In order to make a saved query available to users across your organization, you must share it. Refer to the "[Share a Query](#)" chapter for more information on how to do this.
3. **Form(s) pane:** Depending on the query selected in the Viewing pane, displays a list of forms available for querying. Once you select a form in the Form(s) pane, the corresponding fields will be checked in the Field(s) pane and recorded in the Selection(s) pane.
4. **Field(s) pane:** Depending on the form selected in the Form(s) pane, displays specific fields that can be selected for display in the query results. The selected fields will automatically populate the Selection(s) pane under Display. The Field(s) pane also enables sorting and grouping of the query results by specific fields that are imported as query criteria into the Selection(s) pane and Criteria Designer.
5. **Selection(s) pane:** Displays the selected query criteria, as well as grouping and display options for the query results.

6. **Criteria Designer:** Contains three tabs (Criteria, Properties, and Audit) that control the process of query building.
- The Criteria tab displays the fields that were selected as search criteria from the Field(s) pane and enables settings of their search values.
 - The Properties tab displays the text expression of the criteria selected under the Criteria tab.
 - The Audit tab tracks the history of the runs of the query.



Navigating Data Forms Overview

To complete a full cycle of creating a query in Analysis Expert and then using the resulting data for further analysis, follow the general navigation principles described below:

1. In the initial query designer window, create a customized query that exactly corresponds to your specific criteria. From this window, you may also edit, clone, share, delete, save, and/or execute your query.
2. Once the query is “executed”, a new window will pop up with the results of the query displayed in the form of a grid. At this point, you may start working with your query results, which includes searching, grouping, exporting, charting, and printing them, as well as

performing an internal analysis (i.e., building a visual link chart or performing calculations) of the individual records that compose the query results.

3. If you chose to chart your results, a new charting window will appear with a set of standard charting tools and an option to elaborate the design of the chart even further with the Chart Wizard tool. When your chart is complete, you may choose to print it or copy it to clipboard.

The following chapters will address the options available for each of these steps in greater detail.

About Operators

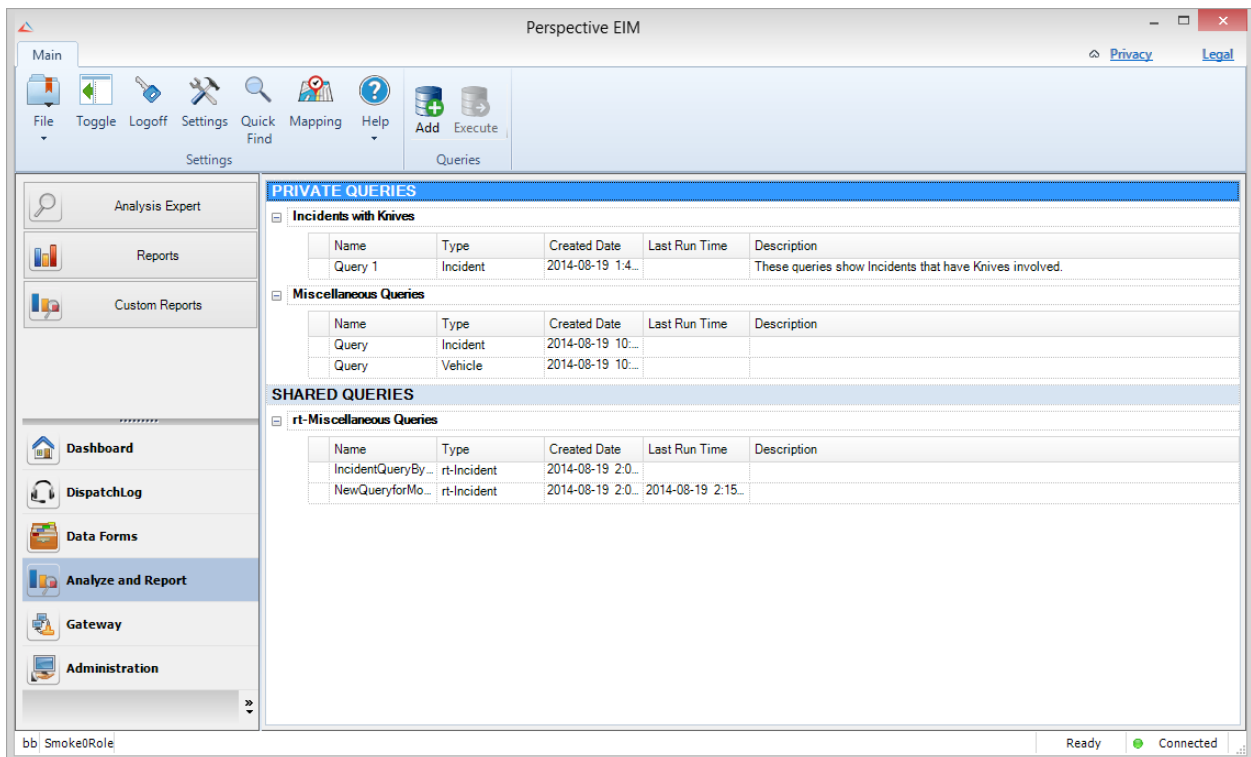
Analysis Expert uses operators to determine what data to display. The following table explains what each operator means.

Symbol	Read as	Explanation of Result
=	"equals"	Will display records where the field's value is equal to the value specified. Note that only exact matches will be displayed.
>=	"is greater than or equal to"	Will display records where the field's value is greater than or equal to the value specified. This operator is only available for criteria with numerical values, such as dates, quantities, amounts of money, etc.
<=	"is less than or equal to"	Will display records where the field's value is less than or equal to the value specified. This operator is only available for criteria with numerical values.
>	"is greater than"	Will display records where the field's value is greater than the value specified. This operator is only available for criteria with numerical values.
<	"is less than"	Will display records where the field's value is less than the value specified. This operator is only available for criteria with numerical values.
<>	"is not equal to"	Will display records where the field's value is not equal to the value specified.
Like	"like"	Will display records where the value specified is contained somewhere in the selected field.
Starts with	"starts with"	Will display records where the field's value starts with the value specified.
Ends with	"ends with"	Will display records where the field's value ends with the value specified.

Between	"between"	Will display records where the field's value is between the dates specified.
Not Between	"not between"	Will display records where the field's value is not between the dates specified.
Today	"today"	Will display records where the field's value is today's date.
Yesterday	"yesterday"	Will display records where the field's value is yesterday's date.
This Week	"this week"	Will display records where the field's value contains records from this week.
This Month	"this month"	Will display records where the field's value contains records from this month.
This Year	"this year"	Will display records where the field's value contains records from this year.
Last # Days	"last # days"	Will display records where the field's value contains records from the last specified number of days. Will not display the day you are currently in.
Last # Weeks	"last # weeks"	Will display records where the field's value contains records from the last specified number of weeks. Will not display the week you are currently in (reads as Sunday-Saturday).
Last # Months	"last # months"	Will display records where the field's value contains records from the last specified number of months. Will not display the month you are currently in.
Last # Years	"last # years"	Will display records where the field's value contains records from the last specified number of years. Will not display the year you are currently in.
Is Empty	"is empty"	Will display records where the field's value is N/A. Using the operator "is empty" will lock (make uneditable) the Value field.

Create a Query Category

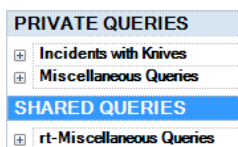
You can create query categories so that similar queries appear in a table together. For example, you may have a “Quarterly” category for all queries you run every quarter, or a “Thefts” category for any Activity, Incident, or Case query pertaining to thefts. Any queries that you do not put into a category will automatically be placed under the Miscellaneous Queries category. You can create query categories when you create or edit a query.




Query Design Process

Create a Query

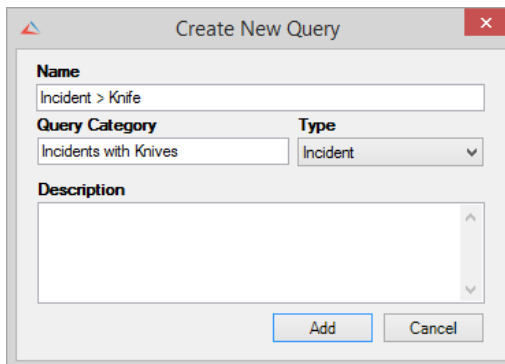
1. Make sure the query category you want your created query to appear under is highlighted (i.e., Private Queries, Shared Queries).



2. To start a new query, choose one of the following options:

- Click **Add**  on the Ribbon.
 - Right-click in the listing pane, and select **Add** from the drop-down menu that appears.
3. A Create New Query dialog box will open.
 4. Enter a title for the query in the **Name** field.
 - By default, the system will name the new query, according to the template <New Query>.
 5. Make sure the Query Category is correct. If you want to create a new Category, type it in this field.
 6. From the **Type** lookup list, choose the record entity you would like Analysis Expert to search (e.g., Incident, Person, Case).
 7. In the **Description** text box, identify the type of query and/or its purpose.

Note: The Description field can be left blank. The Name and Query Category fields must be filled in.



8. Click **Add**.
9. The new query entry will be added to the relevant record entry node. The Form(s) pane will automatically populate with the names of the selected record entity's respective forms (e.g., Incident Details, Incident Flags, Incident Losses).

Specify Query Criteria

Before specifying criteria for your query, take some time to think about the design of your query by considering the following questions:


- Do you want to search the whole database or just a portion of data (e.g., incident data recorded within a particular time period, person data for employees only)?
- If you want to search a portion of data, what parameters do you want in your search?
- What type of data do you want to see in your query results (e.g., incident time, place, losses)?

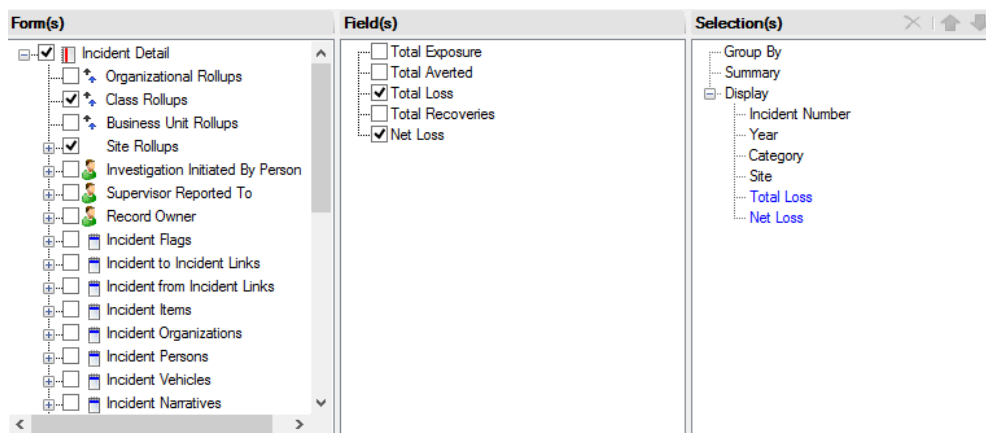
- How do you want to present your data? Do you want to summarize your results or see lists of actual data values?

In the example below, we will be looking at a query design with the following specifications:

- **Type of query:** Incident query.
- **Scope of data:** Incidents that happened since 2007 and involved net losses (e.g., Net Loss of each incident is above 0.50 cents).
- **Data of interest:** Number of incidents, Year, Category, Site, Total Loss, and Net Loss.
- **Data grouped by:** Year, Category, and Site.

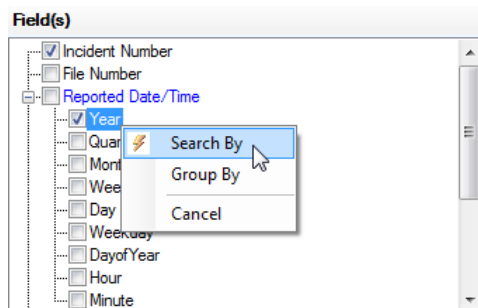
OPTION 1a: If you want to search the whole database, proceed to select the specific types of data that you want to see in your query results.

1. Expand the relevant form nodes in the Form(s) pane to see all constituent subforms.
2. To view fields available in a form in the Field(s) pane, click once on the name of the relevant form. To select all the fields in a particular form, check the form box.
3. In the Field(s) pane, check the boxes of the fields you want to see as headers in your query results and reports. The field names will automatically populate the Selection(s) pane under Display in the order they were selected.
 - To reorder the fields appearing in your query results, select the field in the Selection(s) pane and then use the up and down arrows in the top right corner of the pane to rearrange the field's position in the Display list.
 - To delete a field from display in your query results, select the field name in the Selection(s) pane and click the **Remove** icon  in the top right corner of the pane, or uncheck the field's checkbox in the Field(s) pane.



OPTION 1b: If you want to search a portion of data, set the parameters of your data sample.

1. In the Field(s) pane, right-click a field that corresponds to the parameter of interest, and select the **Search By** option from the menu. If you do not want a parameter field to be displayed in the query results, unselect the checkbox beside the field's name in the Field(s) pane.



The selected field will now appear in the **Criteria Designer** pane below.

Criteria Designer					
	Symbol	Form	Field	Operator	Value
▶	A	Incident Detail	Year	=	

(A)

2. To **specify a comparison value** for the selected parameter, select the relevant **Operator** from the lookup list (e.g., =, <>, >, Like, Starts With, Ends With). Depending on the type of parameter, you will have an option of either entering the comparison value in the **Value** field, or selecting it from the lookup list.
3. Add as many parameters for your data sample as needed.

Criteria Designer					
	Symbol	Form	Field	Operator	Value
▶	A	Incident Detail	Year	>=	2007
▶	B	Incident Loss Summary	Net Loss	>=	0.05

(A AND B)


4. As you continue to specify the parameters, the system will edit the corresponding Boolean logic statement at the bottom of the Criteria Designer pane. By default, Perspective searches for data that meets both criterion A AND criterion B, and so on. If you want to only generate results that meet either criterion A OR criterion B, or some variation thereof, you must modify the statement to reflect this. It is best to modify the statement after you have entered all your data parameters first.

Note: Deleting a parameter symbol (e.g., A, B, C) from the statement will not remove the corresponding parameter from the list. However, if a parameter is deleted from the statement, it will not appear in the executed query results. Ultimately, the Boolean logic statement contains the defining formula for your data sample, while the list of parameters provides the parameters you may search by, and serves as a reference point for the statement.

The screenshot shows the 'Criteria Designer' window with three tabs: 'Criteria', 'Properties', and 'Audit'. The 'Criteria' tab is active, displaying a table with the following data:

	Symbol	Form	Field	Operator	Value
	A	Incident Detail	Year	>=	2007
	B	Incident Loss Summary	Net Loss	>=	0.05
▶	D	Incident Detail	Reported to Supervisor	=	YES
	C	Incident Detail	Reported to Division	=	YES

Below the table, the Boolean logic statement is displayed: `((A AND B) AND (C OR D))`.

- To reorder the parameters in the Criteria Designer list, select the corresponding row and use the up and down arrows in the top right corner of the pane to rearrange the parameter's position in the list.
- To delete a parameter from the list, select the corresponding row and click the **Remove** icon  in the top right corner of the pane, or uncheck the field's checkbox in the Field(s) pane.
- To view the text expression of the Boolean logic statement for your data, select the **Properties** tab of the Criteria Designer pane.

The screenshot shows the 'Criteria Designer' window with the 'Properties' tab selected. The 'Criteria Text Expression' is displayed as:

```
(( ( A >= 2007 AND B >= 0.05 ) AND ( C = YES OR D = YES ) ) )
```

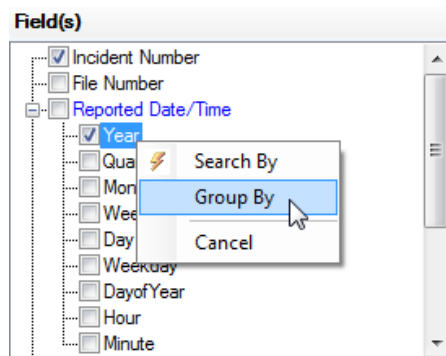
OPTION 2a: *If you want to see lists of raw data values in your query results, proceed to execute your query.*

OPTION 2b: *If you want to see your query results summarized, select the fields by which you would like to group your results.*

1. To group your query results by a particular field, ensure the field's box in the Field(s) pane is checked. Then, right-click the field and select **Group By** from the menu.

Note: Not all fields are available for group by. In order to group by a particular field, it must have only one reference value, i.e., its value cannot be cumulatively derived from several

fields. For example, an incident's Total Loss field cannot be grouped by, since it potentially draws data from multiple involved items and vehicles with recorded losses. In contrast, the Site field in an Incident record can refer to only one site value, which makes it a legitimate candidate for a Group By criterion. Moreover, it is not possible to group by a child data field (e.g., Assigned Date of Incident Investigators).



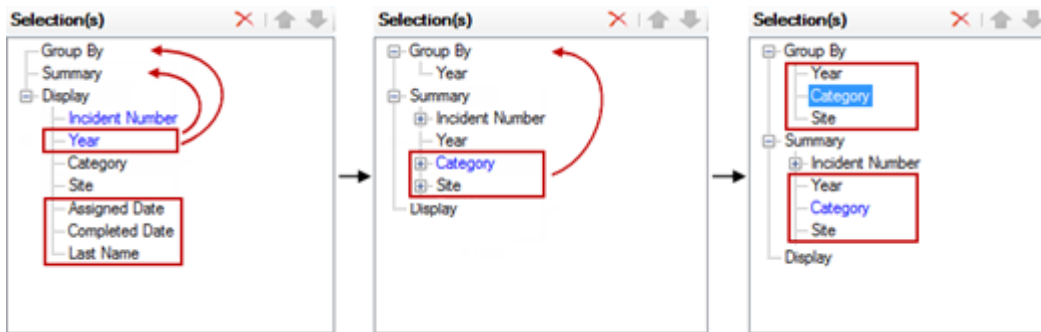
The Summary function is activated when at least one Group By field is selected. This will reflect in the view of the Selection(s) pane: the selected field name will automatically populate the pane under *both* Group By and Summary, while the field names that were listed under Display, will all be transferred to the Summary list.

If you delete a field name from the Group By list, all the fields contained under Summary will be transferred back to Display.

*Note: If your Display list contains fields from **child data** (e.g., Incident Investigators' Assigned Date, Completed Date, or Last Name), selecting a Group By field (e.g., Year) will transfer all the parent data fields to the Summary list and delete all the child data fields.*

2. In the query results, the system will perform data calculations on all the fields that appear under Summary. The fields' actual data values will not appear in the query results (unlike when they were selected for Display); only the products of the specified data calculation for the fields will appear. In order to see the actual data values *together* with the calculations, you will need to duplicate all the relevant field names under Group By using the Field(s) pane, as described above.

To quickly locate the field names in the Field(s) pane, one by one click on the field names in the Section(s) pane. The system will automatically display the relevant field list in the Field(s) pane. Right-click the field you want to import to the Group By list of the Selection(s) pane and select Group By from the menu.




Some of these calculations are meaningful; for instance, the COUNT for Incident Number will produce counts of Incident records for specific categories by which you chose to group your query results (e.g., Category, Site). Others may refer to unique categorical entries (e.g., DISTINCT COUNT for Site or Year), and will not produce meaningful results, unless you choose to display the actual values of the field (i.e., transfer the field to the Group By list). Therefore, you will need to think very carefully about selecting the right fields for summaries (e.g., sums and averages for losses, counts for items), and leaving the rest as actual values (e.g., names of categories, sites, years).

Note: Once a field appears in both Summary and Group By lists, its calculation node disappears, which means that the system will display the actual value of the field (not a calculation) in the query results.

3. Proceed to save or execute the query.

Save a Query

1. Complete the design of your query.
2. Store the query for access at a later date by clicking **Save**  on the Ribbon.

Edit a Query

1. Make sure the query you want to edit is highlighted.


PRIVATE QUERIES

dsagdg


Name	Type	Created Date	Last Run Time	Description
adsg	Vehicle	2014-08-20 5:1...		adsg

Incidents with Knives

Name	Type	Created Date	Last Run Time	Description
Incident > Knife	Incident	2014-08-21 10:...		
Query 1	Incident	2014-08-19 1:4...		These queries show Incidents that have Knives involved.

2. To open and begin editing the query, choose one of the following options:
 - Click **Edit**  on the Ribbon.
 - Right-click in the listing pane, and select **Edit** from the drop-down menu that appears.

- The Query dialog box will open.

- You can change the query Name, Category, and/or Description.
- Click the **Edit** button to open the query or the Cancel button if you have selected the wrong query.
 - To view a query's specifications, select the query from the tree on the Navigation pane. Review the Form(s), Field(s), Selection(s), and Criteria information and make changes to the selected checkboxes, if necessary.
 - Store the query for access at a later date by clicking  **Save** on the Ribbon.

Clone a Query

- Make sure the query you want to clone is highlighted.


PRIVATE QUERIES

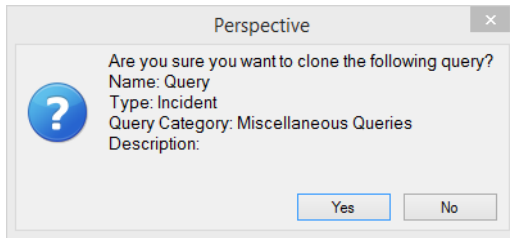
dsagdg

Name	Type	Created Date	Last Run Time	Description
adsg	Vehicle	2014-08-20 5:1...		adsg

Incidents with Knives

Name	Type	Created Date	Last Run Time	Description
Incident > Knife	Incident	2014-08-21 10:...		
Query 1	Incident	2014-08-19 1:4...		These queries show Incidents that have Knives involved.

- To clone the query, choose one of the following options:
 - Click **Clone**  on the Ribbon.
 - Right-click in the listing pane, and select **Clone** from the drop-down menu that appears.
- A prompt will appear, asking if you are sure you want to clone the query. Click the **Yes** button to clone the query, or No to cancel the cloning process.



Note: If you do not have Manage rights, you will be unable to clone a query. Additionally, you are only able to clone a query that has already been shared to you.

Share a Query

1. Make sure the query you want to share is highlighted.


PRIVATE QUERIES

dsagdg

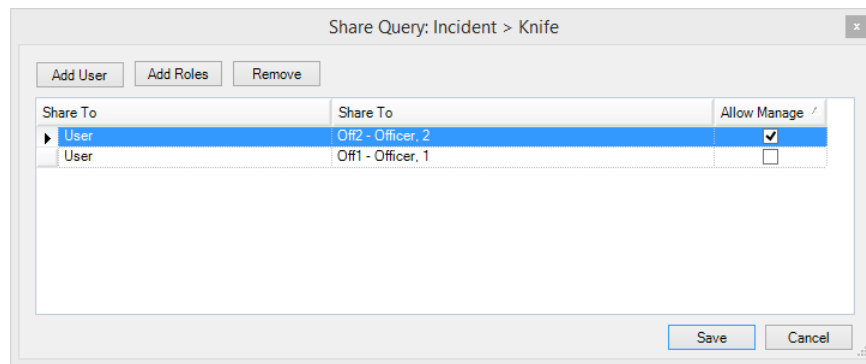
Name	Type	Created Date	Last Run Time	Description
adsg	Vehicle	2014-08-20 5:1...		adsg


Incidents with Knives


Name	Type	Created Date	Last Run Time	Description
Incident > Knife	Incident	2014-08-21 10:...		
Query 1	Incident	2014-08-19 1:4...		These queries show Incidents that have Knives involved.

2. To share the query, choose one of the following options:
 - Click **Share**  on the Ribbon.
 - Right-click in the listing pane, and select **Share** from the drop-down menu that appears.
3. The Share Query dialog box will open.
4. Click the **Add User** button and/or **Add Role** button.
5. Select the user(s) and/or role(s) you want to share the query to by typing his/her name and/or role in the text field, or scrolling through all users and/or roles.
6. Double-click the user's name and/or role to confirm your selection.
 - Click the **Allow Manage** checkbox if you want the user or users in a particular role to have the ability to edit, share, delete, or clone the shared query.
 - If you share to a user and a role, and that user is in the role as well, the query will be shared to him/her twice.

Note: If you give a user Manage rights when sharing a query, the user is able to modify the original query. To keep a copy of the original query that cannot be edited, clone it for yourself.



7. Click the **Add Roles** button.
8. Select the role you want to share the query with by typing its name in the text field, or scrolling through all roles.
9. Double-click the role's name to confirm your selection.
 - Click the **Allow Manage** checkbox if you want those with that role to have the ability to edit, share, delete, or clone the shared query.
10. Click **Save**.
 - Shared queries will have the  **Share** icon displayed beside the title.

Incidents with Knives			
Name	Type	Created Date	
 Incident > Knife	Incident	2014-08-21 10:...	
Query 1	Incident	2014-08-19 1:4...	

Delete a Query

1. Make sure the query you want to delete is highlighted.


PRIVATE QUERIES

dsagdg


Name	Type	Created Date	Last Run Time	Description
adsg	Vehicle	2014-08-20 5:1...		adsg

Incidents with Knives

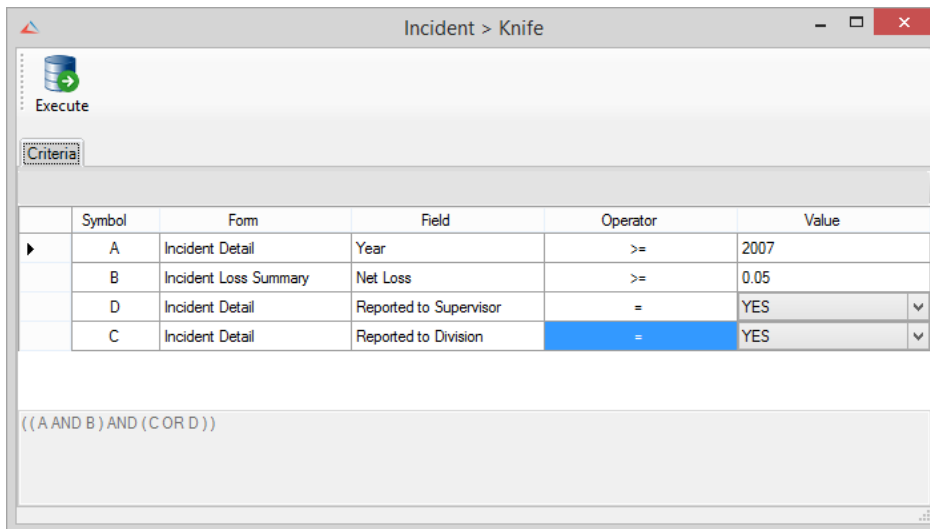
Name	Type	Created Date	Last Run Time	Description
Incident > Knife	Incident	2014-08-21 10:...		
Query 1	Incident	2014-08-19 1:4...		These queries show Incidents that have Knives involved.

2. To delete the query, choose one of the following options:
 - Click **Delete**  on the Ribbon.
 - Right-click in the listing pane, and select **Delete** from the drop-down menu that appears.
3. A prompt will appear, asking if you are sure you want to delete the query. Click the **Yes** button to delete the query, or No to cancel the deletion process.

Execute a Query

1. Once your query is created, you may either run it immediately, or save it for further use, and then run it. To run a saved query, select the name of the query you want to run from the query list in the listing pane.
2. To execute the query, choose one of the following options:
 - Click **Execute**  on the Ribbon.
 - Right-click in the listing pane, and select **Execute** from the drop-down menu that appears.
3. A new window will open displaying the Criteria for the query. You do have the ability to modify the Criteria values if needed. Click the **Execute** button inside this window.

Note: Queries can be run in the background. As a result, you can set up the next query, design a report, or review a record while waiting for the results notification to appear.



	Symbol	Form	Field	Operator	Value
▶	A	Incident Detail	Year	>=	2007
	B	Incident Loss Summary	Net Loss	>=	0.05
	D	Incident Detail	Reported to Supervisor	=	YES
	C	Incident Detail	Reported to Division	=	YES

((A AND B) AND (C OR D))

Track Query Runs

To track the history of query runs, open the **Audit** tab of the **Criteria Designer** pane. The tab will display the following information:

- **Last Run By User:** The user who last ran the query.
- **Last Run Time:** The time when the query was last run.
- **Last Run Returned Rows:** The number of data entries in the query results.
- **Last Run Duration (second):** The time Analysis Expert needed to generate the query.

- **Where Clause and SQL Statement:** Technical data on the query data, criteria, and location.

Criteria Properties **Audit**

Last Run By User	Last Run Time	Last Run Returned Rows	Last Run Duration (second)
Clint	23/02/2011 7:55:35 AM	2	0

Where Clause

```
SELECT ID_PK FROM dbo.fcnTblPersonsSecuredByUser('0a0e4c81-7b70-4261-9f6-0ab2ce47578c') AEPersons WHERE ( (ID_PK IN (SELECT PersonID_FK FROM tblPerson Trespasses AEPerson Trespass WHERE (Convert(varchar(10),ExpiryDate_DT,111) = 2011/02/23))) ) |
```

SQL Statement

```
SELECT AEPersonDetail.ID_PK AS ID, AEPersonDetail.ID_PK AS PersonID, AEPersonDetail.FirstName_NV AS [FName], AEPersonDetail.LastName_NV AS [JD Last Name] FROM dbo.fcnTblPersonsSecuredByUser('0a0e4c81-7b70-4261-9f6-0ab2ce47578c') AEPersonDetail WHERE AEPersonDetail.ID_PK IN ( 'df2abbf2-9684-45c4-847a-c10656cb4716', 'df2abbf2-9684-45c4-847a-c10656cb4716') : SELECT AEPersonTrespass.ID_PK AS ID, AEPersonTrespass.PersonID_FK AS LinkID, CONVERT(VARCHAR(25), AEPersonTrespass.ExpiryDate_DT,126) AS [Expiry Date] FROM tblPerson Trespasses
```

Working with Query Results

View Query Results

Once the query is “executed”, a new window will open with the results of the query displayed in the form of a grid. The number of returned records will be displayed at the bottom of the screen.

Incident Executed at 2014-09-18 3:59:10 PM

Export Print Grid View Detail View in Visual Analysis Incident Detail Chart Print Detail Report

View Style

☐ Show Child Record

☐ Horizontal

☐ Vertical

☐ Outlook Group By

Expand All

Card View

Text Search

☐ Backcolor of Search Results

☐ Include Child Record

☐ Exact Match of Text

☐ Case Sensitive

Search Grid

Records Found (26025)

Drag a column here to group by that column.

Incident Number	File Number \ Name	Reported Date/Time	Occurred From Date/Time	Occurred To Date/Time	Record Owner	Incident C
INC-0000016757		2013-08-15 3:20 PM	2013-08-15 3:08 PM	2013-08-15 4:21 PM	Harris, Gilbert	73
INC-0000015657		2013-07-15 6:44 PM	2013-07-15 6:32 PM	2013-07-15 8:07 PM	Stinson, Helen	95
INC-0000014466		2013-05-24 10:23 A	2013-05-24 10:11 AM	2013-05-24 12:12 PM	Carver, Ronald	121
INC-0000000692		2011-09-12 11:29 P	2011-09-12 11:17 PM	2011-09-13 1:04 AM	Young, David	107
INC-0000020321		2013-12-17 2:57 AM	2013-12-17 2:45 AM	2013-12-17 4:13 AM	Douglas, Allen	88
INC-0000014188		2013-05-13 2:40 AM	2013-05-13 2:28 AM	2013-05-13 4:54 AM	Riley, Brian	146
INC-0000010225		2012-11-30 11:41 A	2012-11-30 11:29 AM	2012-11-30 12:59 PM	Spears, Calvin	90
INC-0000014592		2013-05-30 8:47 AM	2013-05-30 8:35 AM	2013-05-30 10:49 AM	Carver, Ronald	134
INC-0000011716		2013-02-09 1:25 PM	2013-02-09 1:13 PM	2013-02-09 2:57 PM	Douglas, Allen	104
INC-0000023120		2014-04-25 4:53 AM	2014-04-25 4:41 AM	2014-04-25 6:11 AM	Newell, Ethan	90
INC-0000013366		2013-04-13 8:22 AM	2013-04-13 8:10 AM	2013-04-13 10:05 AM	Young, David	115
INC-0000008121		2012-09-17 2:23 PM	2012-09-17 2:11 PM	2012-09-17 3:20 PM	Newell, Ethan	69
INC-0000003178		2012-01-30 5:04 AM	2012-01-30 4:52 AM	2012-01-30 7:23 AM	Spears, Calvin	151
INC-0000001686		2011-10-27 5:28 PM	2011-10-27 5:16 PM	2011-10-27 6:26 PM	McDonald, Rory	70
INC-0000009286		2012-10-25 4:41 PM	2012-10-25 4:29 PM	2012-10-25 5:58 PM	Dawson, Maddie	89
INC-0000018809		2013-10-14 9:35 AM	2013-10-14 9:23 AM	2013-10-14 10:24 AM	Riley, Brian	61
INC-0000016412		2013-08-06 8:42 PM	2013-08-06 8:30 PM	2013-08-06 9:50 PM	Riley, Brian	80
INC-0000013045		2013-04-02 6:15 PM	2013-04-02 6:03 PM	2013-04-02 7:22 PM	Riley, Brian	79
INC-0000012765		2013-03-24 4:25 PM	2013-03-24 4:13 PM	2013-03-24 5:08 PM	McDonald, Rory	55
INC-0000015655		2013-07-16 9:55 AM	2013-07-16 9:43 AM	2013-07-16 10:44 AM	Harris, Gilbert	171

Number of Records Returned 26025

Search for Specific Data in Query Results

To search for specific data in your query results, use the **Text Search** function. Type a keyword in the Text Search field, and click **Search Grid**.

- The color of the highlighted search text can be modified using the **Backcolor of Search Results** lookup list.
- Check **Include Child Record** to search all records in the query results.
- Check **Exact Match of Text** to search only for text that corresponds exactly to the text entered in the Text Search field.
- Check **Case Sensitive** to only search for text containing the correct uppercase or lowercase characters specified in the search text.

The screenshot shows a software window titled "<My Experimental Query> executed at 20/12/2010 10:57:02 AM". The sidebar on the left contains the following options:

- View Style:**
 - ☒ Show Child Record
 - ☐ Horizontal
 - ☒ Vertical
 - ☐ Outlook Group By
 - Collapse All
- Card View:** <None>
- Text Search:** 2009
- Backcolor of Search Results:** (Yellow icon selected)
- ☒ Include Child Record
- ☐ Exact Match of Text
- ☐ Case Sensitive
- Search Grid

The main area displays "Records Found (56)". It shows two sections of data, both with the year 2009 highlighted in yellow:

Incident Detail

Incident Number	Year	Σ Class Rollups.Category	Site Rollups.Sit	Incident Loss.Total L	Σ Incident Loss.Net Lo	Σ
INC-2009-000252	2009			2211	2211	
ADMI-2010-00011	2010			3000	3000	
INCD0000000182	2008	ACCIDENTS	Manitoba	4532	4442	
INCD0000000185	2008	Emergency Situation	Site B	5437724.63	5437594.63	

Incident Investigators

Assigned Date	Completed Date	Investigator.Last Name
06/04/2006		Adams
17/03/2009	17/03/2009	Johanssen

Incident Detail

Incident Number	Year	Σ Class Rollups.Category	Site Rollups.Sit	Incident Loss.Total L	Σ Incident Loss.Net Lo	Σ
INCD0000000186	2008	Security & Safety Syste	Site A	950	160	

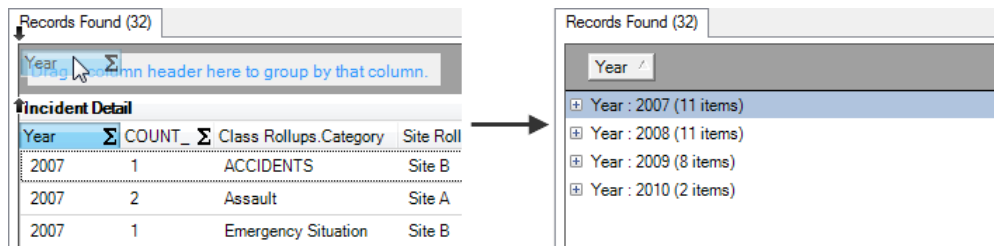
Incident Investigators

Assigned Date	Completed Date	Investigator.Last Name
24/02/2009	25/02/2009	Adams

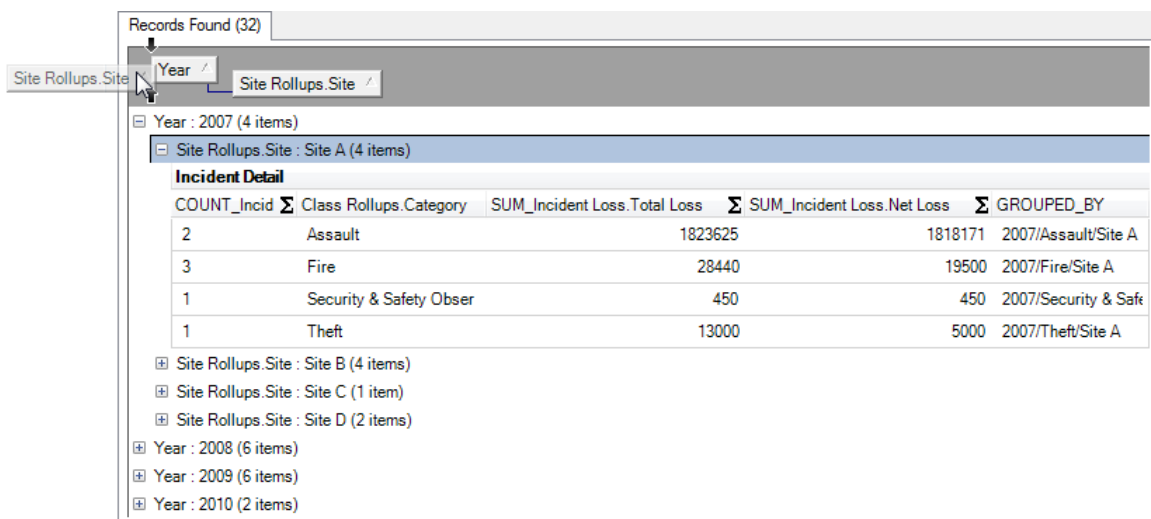
At the bottom, it states "Number of returned records: 56".

Group Query Results by a Field

- To **group the results by a field**, drag the column heading to the gray box above the grid and drop it. All query results will automatically collapse, grouped by the column heading you just selected. Grouped By query results may contain child records. To view child records, click **Expand All** to view all records contained under nodes. Once clicked, the name of this button will change to **Collapse All**. Click this to hide all child records again.



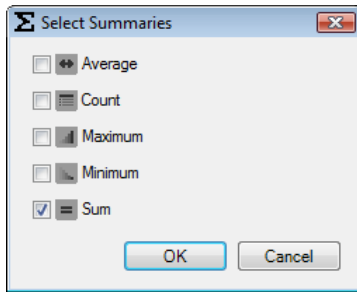
- To **add another tier to the grouping**, first expand one of the nodes to view its data in grid format. Then, click and drag a different column heading to the gray box. The query results will once again collapse, grouped first by your initial selection, and then by your second selection. You may continue to add tiers to your grouping using the same method.
- To **reorder the tiers in your grouping**, click and drag the column headings in the gray bar.



- To **remove a field from your grouping**, drag the column heading in the top gray bar and place it anywhere in the query results screen.

Perform Calculations on Query Results

1. To perform calculations on data in query results that were created using the Group By option, select the **Outlook Group By** radio box in the View Style section. The **Sigma (Σ)** symbol will appear on all column headings. (If the Group By function was used to build the query, Sigma will automatically appear on column headings.)
2. To perform data calculation on a column of data, click the **Σ** button at the top of the respective column. The Select Summaries dialog box will open.
3. Select the type of calculation that is required for the column (Average, Count, Maximum, Minimum, and/or Sum). You can select more than one calculation option.
4. Click **OK**.



The calculation results will be displayed below the appropriate columns at the bottom of the query results. If your results were grouped by a field within the query results window, then the calculations will apply and be displayed for each group.

Records Found (32)

Year / Site Rollups.Site /

Year : 2007 (4 items) COUNT_Incident Number Sum = 16, SUM_Incident Loss.Total Loss Average = 175396.362727272727272727273, SUM_Incident Loss.Net Loss Average = 175396.362727272727272727273, SUM_Incident Loss.Total Loss = 175396.362727272727272727273, SUM_Incident Loss.Net Loss = 175396.362727272727272727273

Site Rollups.Site : Site A (4 items) COUNT_Incident Number Sum = 7, SUM_Incident Loss.Total Loss Average = 466378.75, SUM_Incident Loss.Net Loss Average = 466378.75, SUM_Incident Loss.Total Loss = 1823625, SUM_Incident Loss.Net Loss = 1818171

Incident Detail

COUNT_Incident Number	Class Rollups.Category	SUM_Incident Loss.Total Loss	SUM_Incident Loss.Net Loss	GROUPED_BY
2	Assault	1823625	1818171	2007/Assault/Site A
3	Fire	28440	19500	2007/Fire/Site A
1	Security & Safety Observ	450	450	2007/Security & Safety Observ
1	Theft	13000	5000	2007/Theft/Site A

Summaries for Site A

Sum = 7	Average = 466378.75	Average = 460780.25
	Sum = 1865515.00	Sum = 1843121.00

Site Rollups.Site : Site B (4 items) COUNT_Incident Number Sum = 5, SUM_Incident Loss.Total Loss Average = 12287.50, SUM_Incident Loss.Net Loss Average = 12287.50, SUM_Incident Loss.Total Loss = 19000, SUM_Incident Loss.Net Loss = 19000

Incident Detail

COUNT_Incident Number	Class Rollups.Category	SUM_Incident Loss.Total Loss	SUM_Incident Loss.Net Loss	GROUPED_BY
1	ACCIDENTS	19000	19000	2007/ACCIDENT
1	Emergency Situation	50	50	2007/Emergency Situation
2	Fire	30000	25000	2007/Fire/Site B
1	Theft	100	100	2007/Theft/Site B

Summaries for Site B

Sum = 5	Average = 12287.50	Average = 11037.50
	Sum = 49150.00	Sum = 44150.00

Site Rollups.Site : Site C (1 item) COUNT_Incident Number Sum = 2, SUM_Incident Loss.Total Loss Average = 13099.00, SUM_Incident Loss.Net Loss Average = 13099.00, SUM_Incident Loss.Total Loss = 26198, SUM_Incident Loss.Net Loss = 26198


Site Rollups.Site : Site D (2 items) COUNT_Incident Number Sum = 2, SUM_Incident Loss.Total Loss Average = 797.995, SUM_Incident Loss.Net Loss Average = 797.995, SUM_Incident Loss.Total Loss = 1595.99, SUM_Incident Loss.Net Loss = 1595.99

Year : 2008 (6 items) COUNT_Incident Number Sum = 13, SUM_Incident Loss.Total Loss Average = 498942.057272727272727272727, SUM_Incident Loss.Net Loss Average = 498942.057272727272727272727, SUM_Incident Loss.Total Loss = 5986246.74, SUM_Incident Loss.Net Loss = 5986246.74



Year : 2009 (6 items) COUNT_Incident Number Sum = 18, SUM_Incident Loss.Total Loss Average = 162944.625, SUM_Incident Loss.Net Loss Average = 162944.625, SUM_Incident Loss.Total Loss = 2933003.25, SUM_Incident Loss.Net Loss = 2933003.25

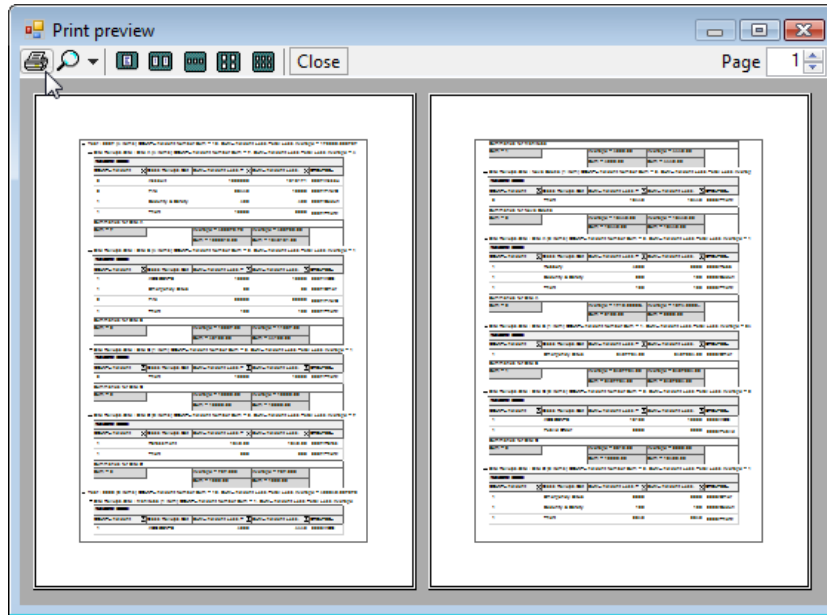
Year : 2010 (2 items) COUNT_Incident Number Sum = 9, SUM_Incident Loss.Total Loss Average = 515642.45, SUM_Incident Loss.Net Loss Average = 515642.45, SUM_Incident Loss.Total Loss = 4640782.05, SUM_Incident Loss.Net Loss = 4640782.05

Export Query Results

- To export query results, click  **Export** on the top toolbar. A Windows Explorer window will open.
- Choose the location for the new file and name the file and indicate the file type (e.g., Excel-Data (*.xls)). Click **Save**.
- You will receive a confirmation message stating the export was successful. Click **OK**.


Print Query Results

1. To **print the query results**, first estimate the layout of your grid in relation to the **portrait layout**. If deemed necessary, scale the query results window to fit one portrait page.
2. Click  **Print Grid** on the top toolbar. A Print Preview window will open.
3. Review the layout of the grid using the toolbar at the top of the screen.
4. Click the **Print** icon  to print the grid.




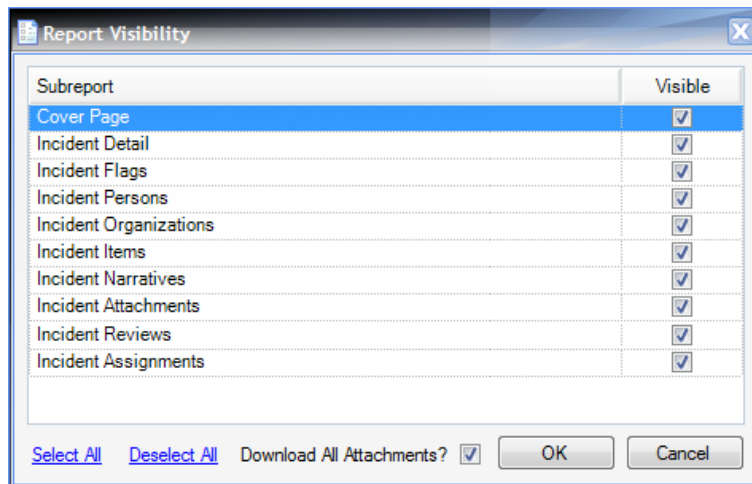
Access Records in Query Results and Print Reports

Note: These functions are not available if the Group By function was used to build the query.

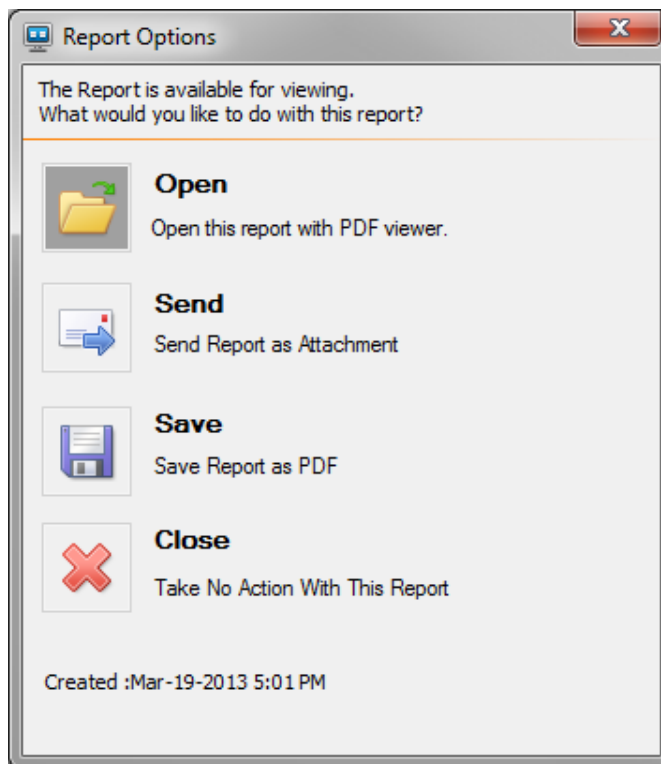
To view a record from the list of records contained in your query results, select the record and click  **View Detail**. The record will open in a separate window in the read-only mode.

To **print, email, or save** one of the records listed in the query results, follow the steps below:

1. Select the record and click  **Print Detail Report**.
2. A Report Visibility window will appear. This window contains checkboxes for all report sections containing data. By default, all boxes will be checked. Uncheck the boxes for any sections you do not want to appear in your report. Check the **"Download All Attachments?"** box if you want to download the attachments included in the record for printing. Then, click **OK**.




3. The **Report Options** window will open.
 - a. Click the **Open** icon to instantly view a printable PDF copy of the report.
 - b. Click the **Send** icon to send an email message with a PDF copy of the report attached.
 - c. Click the **Save** icon to save a PDF copy of the report to the location of your choice.
 - d. Click the **Close** icon to cancel the report.



Construct a Visual Link Chart From Query Results

With Perspective Visual Analysis, you can create a visual link chart representing the data relationships between records listed in the query results.

Note: If the Group By function was used to build the query, this feature will be disabled.

Click anywhere in the query results and then select  **View in Visual Analysis**. A separate Perspective Visual Analysis window will open with all the records listed in the query results contained within.

See the [Perspective Visual Analysis](#) section for further information on building a link chart, or click the Help icon in the Visual Analysis window.

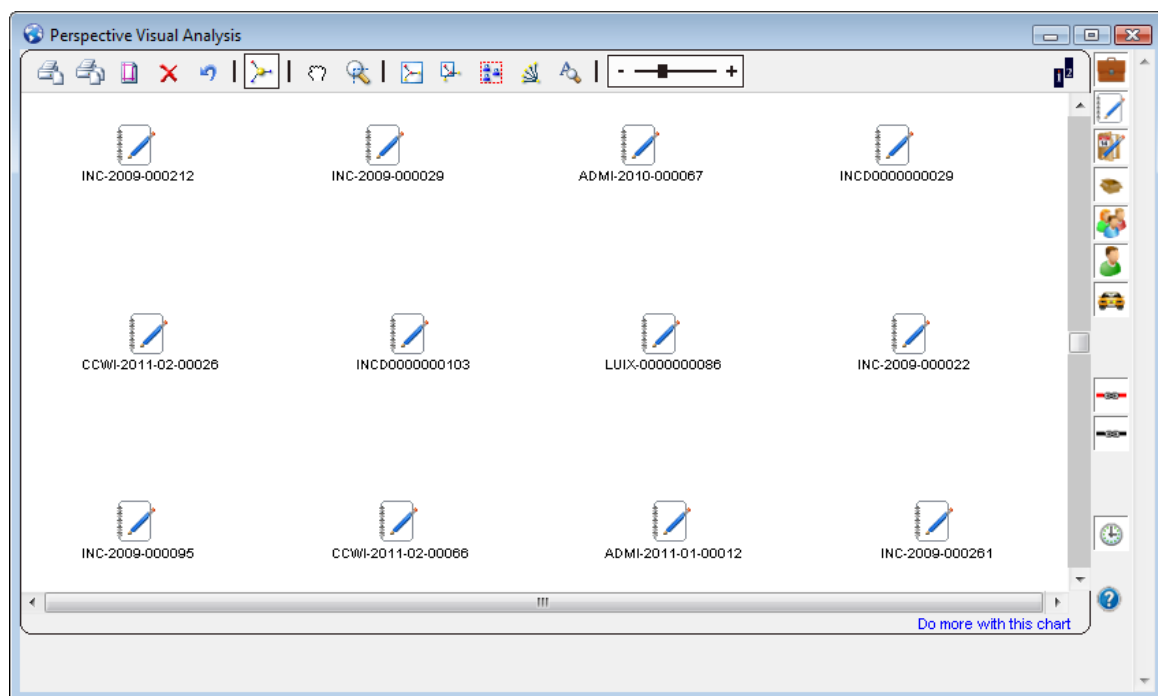

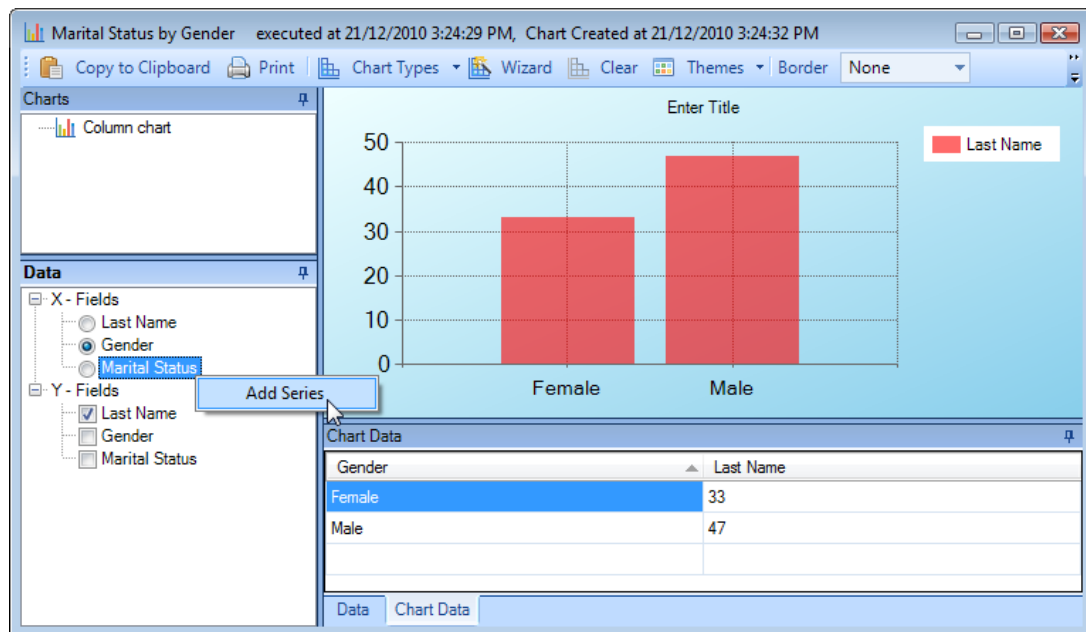


Chart Query Results

1. To begin charting your query results, click  **Chart**. If your query results contain child data, you may choose to chart either parent records (e.g., Person Detail) or child records (e.g., Person Incidents Involvement) by selecting the appropriate data label under the attached lookup.
2. A charting window will open with a blank Viewing pane, a list of variables available for charting listed in the **Data pane** on the left, and a grid with raw chart data listed at the bottom **Data tab**. (In this section, we will be looking at the case of an organization that wants to know the proportions of marital statuses of their employees by gender.)
3. In the Data pane, select an **X-Field** (e.g., Gender) and a **Y-Field** or multiple Y-Fields (e.g., Last Name) for your chart from the available options. The X-Field data will appear on the

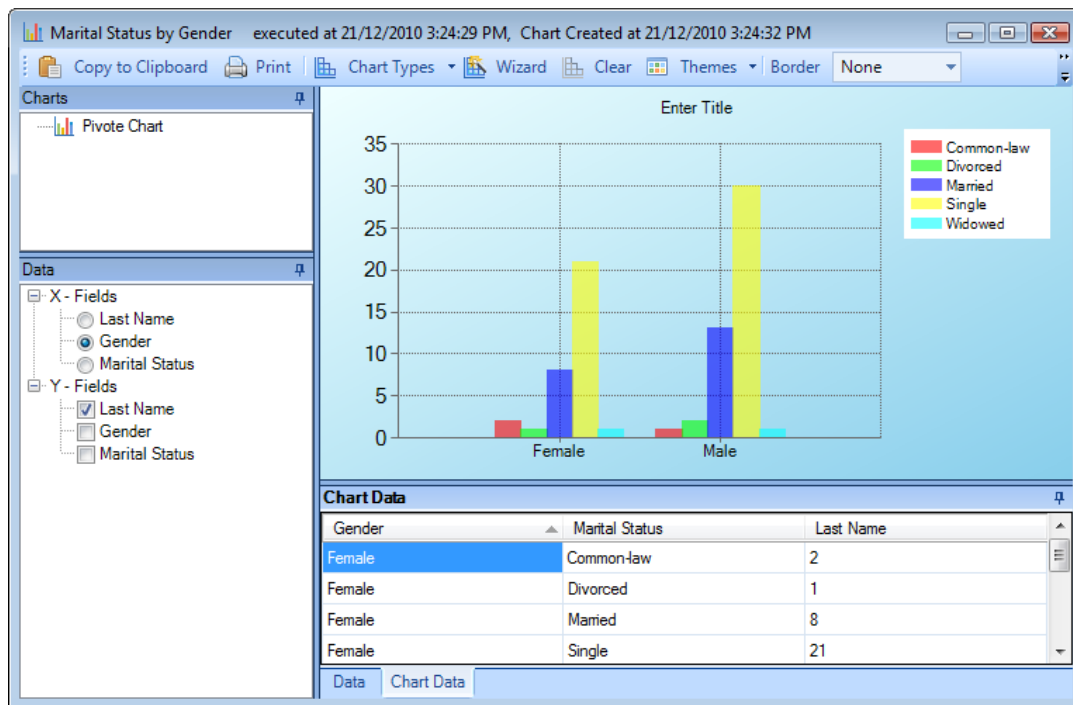
horizontal x-axis of your chart. The Y-Field data will appear on the vertical y-axis of your chart. If you select more than one Y-Field, ensure that they have the same unit of value (e.g., dollars, items). Note that Y-Fields are always charted as numerical values. Generally, text fields are counted (e.g., quantity of Incident Numbers or Last Names), while numerical fields are summed (e.g., amounts of Incident Losses).

4. Your chart will appear in the Viewing pane. By default, your initial chart will be formatted as a column chart. The bottom pane will display your selected **Chart Data**.
5. You may copy and paste data from the Data or Chart Data tabs into Excel by highlighting the data and then using the Ctrl+C and Ctrl+V keyboard commands.

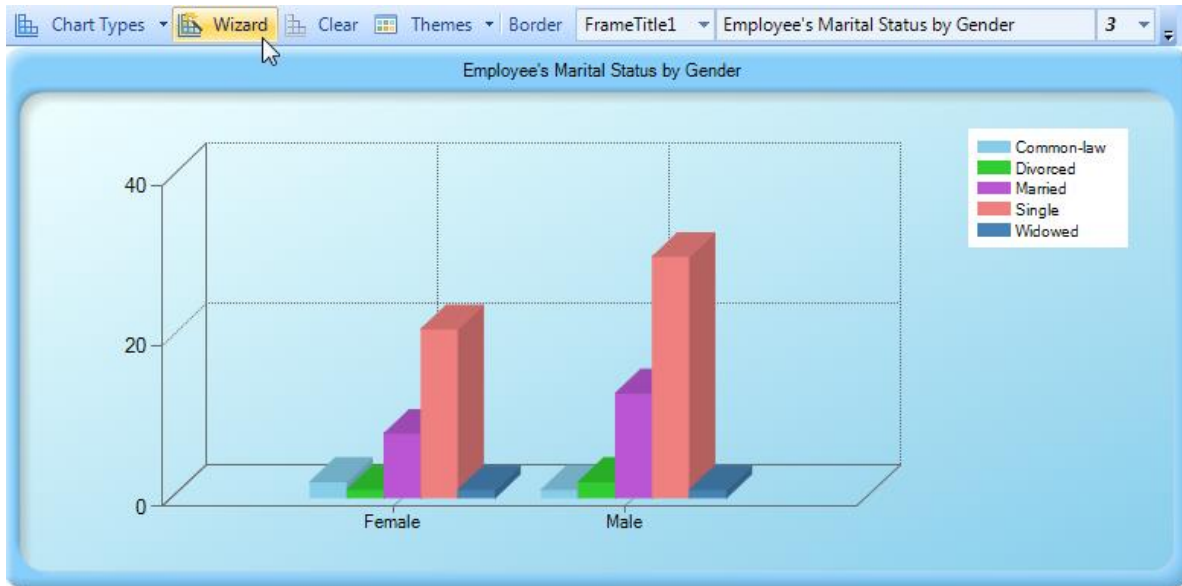


6. If you want to select an additional variable for your chart (e.g., Marital Status) to see the distribution of one of your variables by another (e.g., Marital Status by Gender), right-click the variable under X-Fields, and select **Add Series**. The chart type will switch to a pivot chart. The new variable will be added to the x-axis and will be explained in the chart's legend.




Note: Once a Series variable is incorporated into your chart, only one Y-Field will be charted. Additional Y-Fields will automatically be dropped from your chart.



7. If the chart **does not have a series field**, you may use the available toolbar options to adjust its appearance. These options are also available with a greater range of functionality in the Chart Wizard. For description of the various chart customization options in Chart Wizard, see [“Appendix D: Chart Wizard”](#).
 - a. To change the default column chart to a different chart type, choose an option from the **Chart Types** lookup list (e.g., pie, bar, area). The Charts pane will automatically populate with the name of the selected chart.
 - b. To change the default **2D** (two-dimensional) chart to a **3D** (three-dimensional) chart, choose **3D** in the drop-down menu on the toolbar. Click and drag the chart to rotate it and adjust its perspective.
 - c. Enter a name for the chart in the **Title** text box.
 - d. From the **Border** lookup list, select a border or frame style for the chart.
 - e. In the **Themes** lookup list, select a color theme for your chart.



If the chart **does include a series field**, any customizing of the chart, including changing the chart type, must be done in the Chart Wizard.



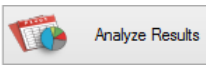
8. To **copy your chart to clipboard**  or **print it** , click the appropriate icon on the toolbar.
9. If you want to **erase this chart** and construct a new chart of the query results, click  **Clear** on the toolbar, or right-click in the chart area and select Clear.

Analyze Results

Analyze Results allows you to choose how you view your query results. You can filter by variables and continually modify the results displayed. You can change the appearance of your results, as well as narrow or expand your results by hierarchy levels, building locations, criminal activity type, etc. The Pivot Grid in the Analyze Results module allows you to determine the data you want displayed, while the Data Chart section and Pie Chart section gives you the ability to dig deeper into your results and display them in a visually appealing way.

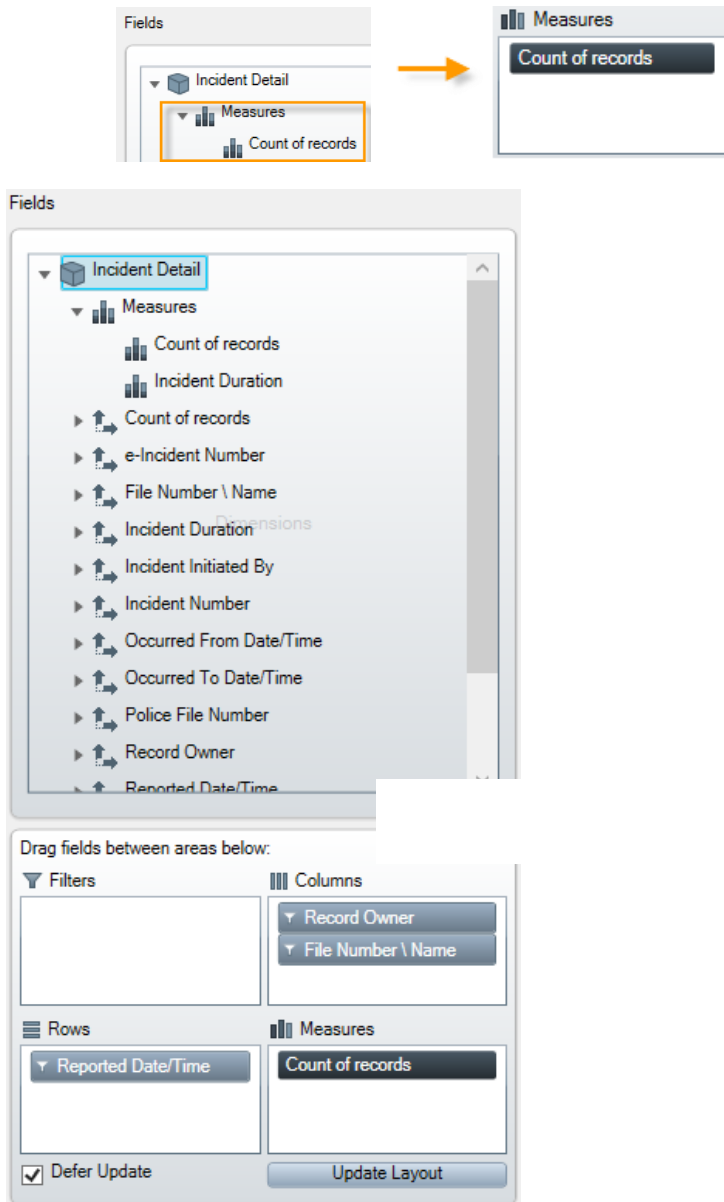
Table

The table section of Analyze Results is where you decide what to analyze and how you want it to be displayed.

1. In the Navigation pane, open the **Analyze and Report** module.
2. From Analysis Expert, choose the query record that you want to view. To execute the query, do one of the following:
 - Click **Execute**  on the Ribbon.
 - Right-click in the listing pane, and select **Execute** from the drop-down menu that appears.
3. If you have user rights, you may make modifications to the **Value** field in the window that appears. Then click the **Execute**  button.
4. Click the **Analyze Results**  button.
5. The Analyze Results window will open. By default, you will be in the **Show as Table** tab. From here, you can begin organizing and filtering your data into a table.
6. Choose the variables you want to see displayed in your table by dragging them from the **Fields** section into the **Filters**, **Columns**, **Rows**, or **Measures** windows.
 - **Filters:** Allows you to limit the data you see by filtering out the fields you don't want displayed. Select the variables you want to filter by.




Note: You can change the variables on the Tables, Data Charts, and Pie Charts tab.

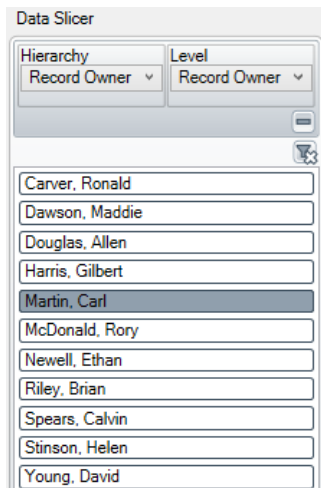
- **Columns:** Organizes the selected fields into columns.
- **Rows:** Organizes the selected fields into rows.
- **Measures:** Shows a count of the data you want displayed.





Note: Selecting the Defer Update checkbox will prevent your data from automatically being shown on your screen. If this checkbox is selected, you will have to click the Update Layout button whenever you want to see a current display of your data.

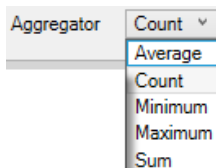
7. Once you have selected the data you want to appear in the table, you can dig deeper by using the Data Slicer to narrow or expand your results by hierarchy and level.
 - Once you have decided how you want to slice your data, click on the specific hierarchy and level you want to view.

Note: To hide the hierarchy and level drop-down menus, click the  button. To bring it back into view, click the  button. Additionally, if you want to reset the hierarchy and level, click the  button.



Note: You can hide the Data Slicer section of Analyze Results by clicking the  button, found in the top left corner of the Analyze Results window. Click the  button to bring the Data Slicer back into view.

8. To show different counts of your data (Average, Count, Minimum, Maximum, or Sum), use the Aggregator drop-down menu.



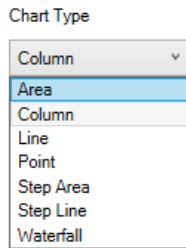
9. Now that you have organized your data by the information you want displayed, you can do any of the following:
 - Click the **Export to Excel** button.
 - Click the **Show as Data Chart** tab to view your results in a chart.
 - Click the **Show as Pie Chart** tab to view your results in a pie chart.

Note: You can save how your results are displayed by clicking the Add button in the upper left corner of the Analyze Results window. Type a name for your saved view and press the Save button (which appears after you click Add). To cancel, click the Cancel button. Saved views are visible to people you share the queries with. Each shared query has a common set of saved views. This means that if anyone adds a view to a shared query, everyone that query is shared to will be able to see it.







Data Chart

The data chart tab allows you to modify how you view your data results. The following section will give you an in-depth understanding of the options you can use in the Data Chart section of Analyze Results.

1. Click the **Show as Data Chart** tab.
2. From the **Chart Type** drop-down menu, select the type of chart you want your results to be displayed in.

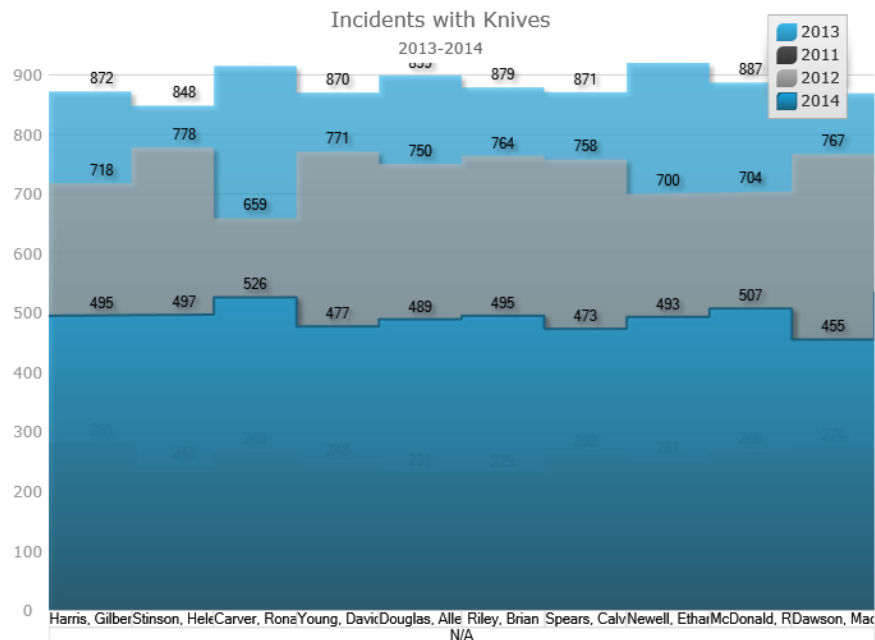




3. Enter a title for your chart in the **Title** field.
4. Enter a subtitle for your chart in the **Subtitle** field.
5. Select the **Show Marker Values** checkbox to see exact counts.
6. Select the **Enable DataPoint Tracking** checkbox to allow you to track exact numbers for different variables. Hover over the chart to have these numbers displayed.
7. Select the **Show Shadows** checkbox to better define particular variables on your chart.
8. Select the **Show Zoom Options** checkbox if you want to be able to zoom into specific areas of your chart. To do this, hover over the small replica of your chart to decide if you want to:

- Zoom out 
- Zoom in 
- Reset your zoom to default , or
- Select the default mouse drag interaction by right-clicking the  button (zoom into selection area , or pan )

Note: If you Copy Chart as Image, you need to deselect the Show Zoom Options checkbox or else it will appear in your copied image.

9. By default, the Show Legend checkbox is selected. To hide the legend, deselect the **Show Legend** checkbox.
10. From the **Legend Position** drop-down menu, select where you want your legend to appear in relation to the chart.
11. You can copy the chart and paste it into a document (e.g., Microsoft Word or Excel). To do this, click the **Copy Chart as Image** button, open the program that you want to copy the chart to, and paste it. Or, you can save your chart to your desktop by clicking the **Save Chart as Image** button.

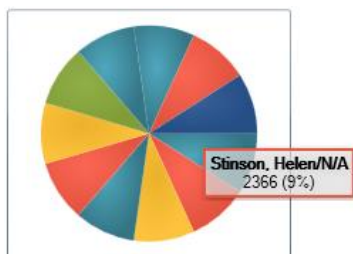


Note: Hide the charting options by clicking the Chart Options  button. Bring the options back into view by clicking the  button.



Pie Chart

The Pie Chart tab, while a different type of chart from the Data Charts tab (with different options to view your results by), allows you to modify how you view your data results. The following section will give you an in-depth understanding of the options you can use in the Pie Chart section of Analyze Results.

1. Click the **Show as Data Chart** tab.
2. Enter a title for your chart in the **Title** field.
3. If you want to see exact numbers, hover your mouse over the pie chart.



4. You can copy the chart and paste it into a document (e.g., Microsoft Word or Excel). To do this, click the **Copy Chart as Image** button, open the program that you want to copy the chart to, and paste it. Or, you can save your chart to your desktop by clicking the **Save Chart as Image** button.

Note: Hide the charting options by clicking the Chart Options  button. Bring the options back into view by clicking the  button.

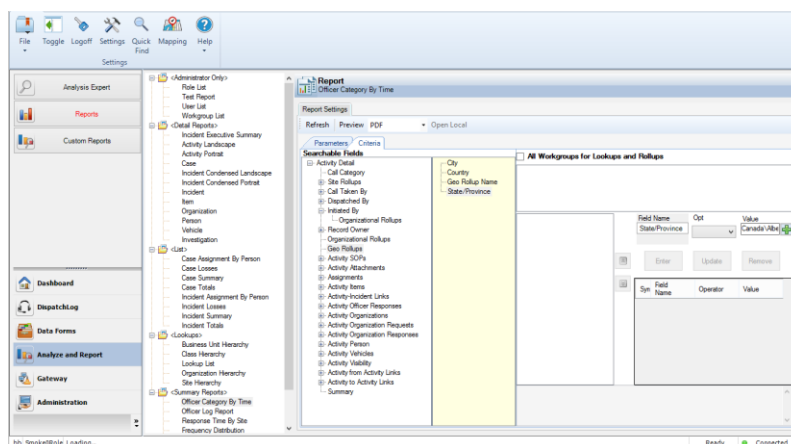
Reports

Perspective contains a number of preset reports that you may use to generate statistics and analyze trends in your data.

User Interface

The interface of the Reports component of Perspective is built around the specific type of report that is selected from the Navigation pane, and can be roughly divided into three parts:

1. **Navigation pane:** Allows you to select various preset reports from five general categories. Once selected, the name of the report will appear at the top of the Report System pane.
 - **Administrator Only:** Reports that list groups of administrative hierarchies available in Perspective (e.g., Roles, Users, etc.).
 - **Detail Reports:** Condensed summaries of individual records stored in Perspective.
 - **List:** Reports that contain lists of records, assignments and losses.
 - **Lookups:** Reports that list values available in various Perspective's lookups.
 - **Summary Reports:** Reports with a summary of data analysis; results are summarized in assorted bar and pie charts.
2. **Report System pane:** Assists in filtering data for future reports and executes their creation.
3. **Report Settings toolbar:** The invariable part of the Report System pane that provides options for refreshing the report settings view, generating reports in PDF, and opening previously run reports locally.
4. **Report Settings pane:** The variable part of the Report System pane that displays tabs, panes, and tools for specifying parameters for the data used in your report.



Types of Reports

Administrator Only

- **Role List:** Lists all system roles, along with their respective descriptions and organizational rollups.
- **Test Report:** For testing purposes only; successfully running this report demonstrates that SQL Reporting Services is operating properly.
- **User List:** Lists all system users, along with their assigned security controls (roles, workgroups, organizational rollups, and access levels), and groups them by a security control of your choice.
- **Workgroup List:** Lists all workgroups, along with their respective descriptions, organizations, and Perspective e-Reporting access status.

Detail Reports

- **Incident Executive Summary:** Displays the selected Incident record in brief detail, providing a short summary of the incident, its investigation and outcome, which is intended for managerial review.
- **Activity Landscape:** Displays the selected Activity record in great detail in a landscape-format report.
- **Activity Portrait:** Displays the selected Activity record in great detail in a portrait-format report.
- **Case:** Displays the selected Case record.
- **Incident Condensed Landscape:** Displays the selected Incident record in great detail in a landscape-format report.
- **Incident Condensed Portrait:** Displays the selected Incident record in great detail in a portrait-format report.
- **Incident:** Displays the selected Incident record, including some of its investigation data.
- **Item:** Displays the selected Item record.
- **Organization:** Displays the selected Organization record.
- **Person:** Displays the selected Person record.
- **Vehicle:** Displays the selected Vehicle record.
- **Investigation:** Displays investigation data from the selected Incident record.

List

- **Case Assignment By Person:** Lists all case-related assignments along with key assignment details, such as the particular case in which the assignment was created, the user who created the assignment, and the user who was given the assignment.
- **Case Losses:** Groups and totals case loss values by category, manager, supervisor, status, or workgroup; results are displayed in list form and are summarized in a bar chart.
- **Case Summary:** Groups and totals cases by category, manager, supervisor, status, or workgroup; results are displayed as brief case summaries.
- **Case Totals:** Groups and totals cases by category, manager, supervisor, status, or workgroup; results are displayed in list form and are summarized in a bar chart.

Note: The above four Case reports are only available in the ICM and EIM Editions of Perspective

- **Incident Assignment By Person:** Lists all incident-related assignments, along with key assignment details, such as the particular incident in which the assignment was created, the user who created the assignment, and the user who was given the assignment.
- **Incident Losses:** Groups and totals incident loss values by business unit, class, organizational rollup, site, or workgroup; results are displayed in list form and are summarized in a bar chart.
- **Incident Summary:** Groups and totals incidents by business unit, class, site, status, or workgroup; results are displayed as brief incident summaries.
- **Incident Totals:** Groups and totals incidents by business unit, class, disposition, organizational rollup, owner workgroup, or site; results are displayed in list form and are summarized in a bar chart.

Lookups

- **Business Unit Hierarchy:** Lists all combinations of lookup list values for the four-tier business unit rollup.
- **Class Hierarchy:** Lists all combinations of lookup list values for the four-tier class rollup.
- **Lookup List:** Lists all System English values for the selected lookup list, as well as their alternative labels in other languages.
- **Organization Hierarchy:** Lists all combinations of lookup list values for the four-tier organizational rollup.
- **Site Hierarchy:** Lists all combinations of lookup list values for the four-tier site rollup.

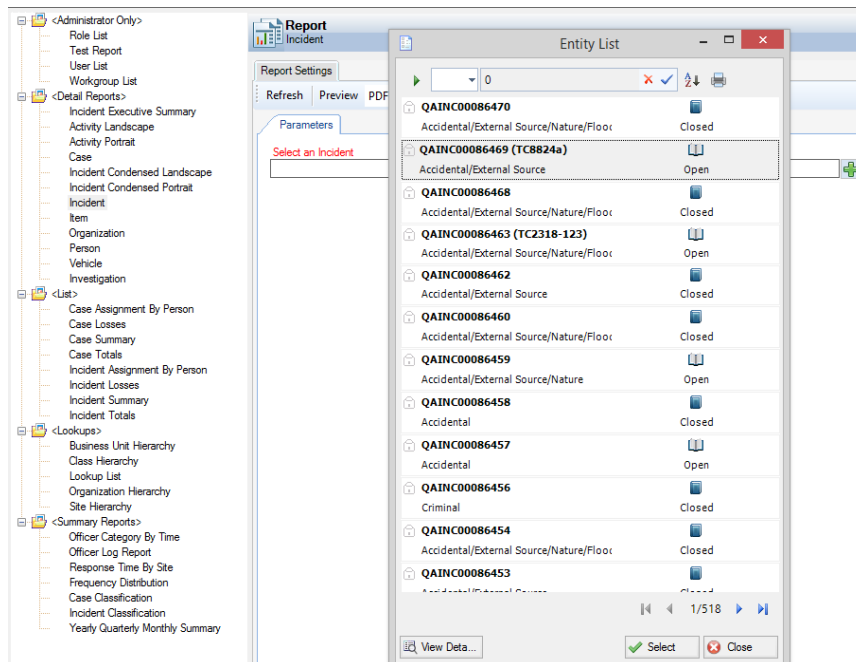
Summary Reports


- **Officer Category By Time:** Calculates the time officers spent on activities providing the number of activities, the total and the average time, and the percentage of the total time per activity category.
- **Officer Log Report:** Lists the officer log status changes by officer, including such details as Call Sign, Location, Status, Date/Time of the change, and Notes.
- **Response Time By Site:** Provides short activity processing summaries by activity category, including activities' Start Time, Arrive Time, End Time, and calculating the Response Time and the Total Time per activity and per category.
- **Frequency Distribution:** Compares the total number of incidents that took place in two separate time periods by year, quarter, month, weekday, and hour; results are summarized in bar charts.
- **Case Classification:** Groups and totals case loss values by category; results are summarized in assorted bar and pie charts.
- **Incident Classification:** Groups and totals incident loss values by class and category; results are summarized in assorted bar and pie charts.
- **Yearly/Quarterly/Monthly Summary:** Provides descriptive statistics for the number of incidents that took place during the time periods of years, quarters, and months; results are summarized in bar charts.

Creating a Report

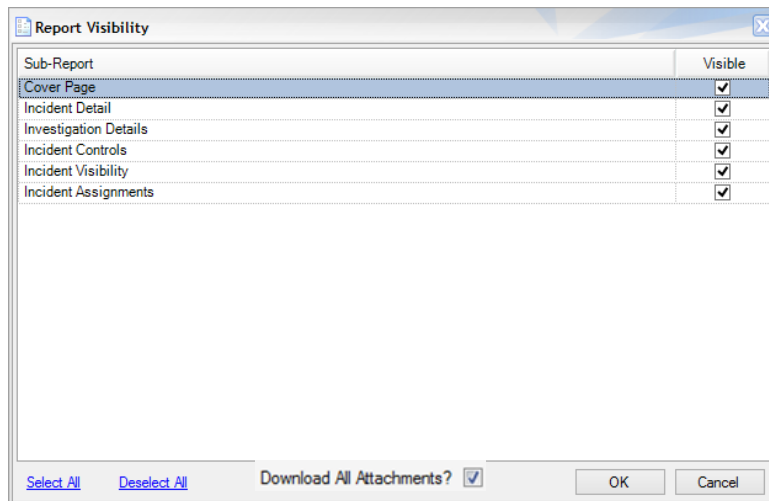
1. Select a report from the list in the Navigation pane.
2. The **Parameters** tab will open by default. Each report has a unique set of one or more parameters that can be specified before running your report. As in all other Perspective forms, red parameter fields are required and all others are optional.
 - **Select a Language:** Choose a label set or a language of your report (e.g., System English).
 - **Select Group By:** Choose the entity your report's results will be grouped or organized by (e.g., Access Level, Role, Workgroups, Status, Class Rollup).
 - **Select a Date Range:** Set a date range(s) your report's data will be drawn from. Some reports may provide an option of selecting more than one date range for comparison.
 - **Year/Quarter/Month (for the Frequency Distribution Report):** Select the time period for which you would like your report to display statistics.

- **Workgroups** checkboxes: Select the workgroups you would like the report to generate statistics from. Check All Workgroups to select all workgroups in the list.
- **Select a Business Type, Class Type, Lookup Type, Org Type, or Site Type:** Specify the particular lookup list or rollup for which you would like to view available options or values.
- **Select an Officer** (only for Officer reports): Choose the officer for which you would like to see the report data.
- **Select an Activity, Incident, Case** (Perspective ICM and EIM only), **Item, Organization, Person, or Vehicle:** Indicate the particular entity your report will be based on (e.g., Incident record INC-2010-000124, Jane Doe's Person record).
- **Select Series** (only for Totals reports): Specify the entity that your report's charts will be grouped or organized by, next to the selected Group By field (i.e., Status, Disposition, Access Level, or Workgroups).
- **Select Net Loss Over/Under** (only for the Yearly / Quarterly / Monthly Report): Specify the Net Loss threshold value by which you would like to organize your report.
- **Completed?** (only for Assignment reports): Indicate whether you would like completed, incomplete, or both completed and incomplete assignments to be included in your report.
- **Include Locked?** (only for the Role List report): Indicate whether or not you would like locked roles to be included in your report.

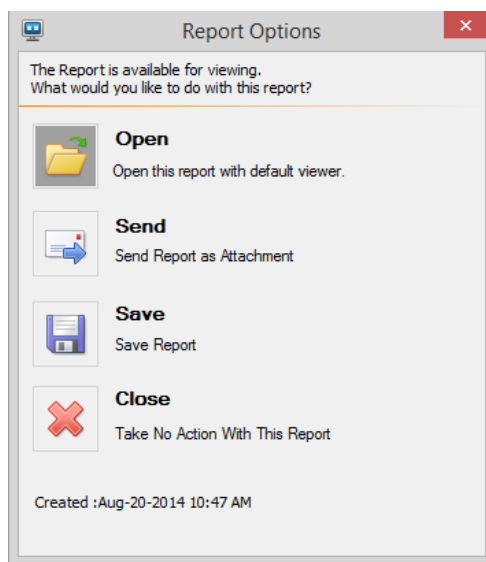


3. In addition to the Parameters tab, some **Summary Reports** have an option of filtering data that you would like to include in your report. To further qualify your report results, select the **Criteria** tab.
 - a. Check the **All Workgroups for Lookups and Rollups** box to search across lookup lists and rollup values for all workgroups.
 - b. In the **Searchable Fields** pane, select a form entity to display its available fields in the yellow pane to the right.
 - c. Highlight and right-click a field you would like to specify settings for, and select **Search By** to add the field to your search criteria. The chosen field will automatically populate the **Field Name** box in the search pane on the right half of the screen.
 - d. Select a field operator from the **Opt** lookup list (e.g., =, >).
 - e. Enter the comparative value in the **Value** field or select an option from the list by clicking on the plus icon .
 - f. Click **Enter** to add the field specification to your report search criteria.

Every time you add a new field specification to the search criteria, the pane on the left will populate with a new symbol associated with the added criterion (e.g., A, B, C). The arrangement of the symbols in the pane defines the relationships between the criteria, which are also reflected in the Boolean logic statement outlined below. By default, every criterion added is in the OR relationship with the previous and next.
 - g. To modify these relationships (and the logic statement), creating an internal hierarchy within the criteria, select a symbol from the pane on the left and click the adjacent up or down arrows. Criteria that appear in separate nodes are in the OR relationship to each other, while criteria that appear in sub-nodes are in the AND relationship to the main criterion at the top of the node.
 - h. To modify your search criteria, select the criteria you want to modify, make changes in the Opt and Value fields, and click **Update**. The changes will be applied to the criterion on both the level of the criteria list and the Boolean logic statement.
 - i. To remove a field from your search criteria list, select the field and click **Remove**.
4. Click **Preview** in the Report Settings toolbar to generate the report.
5. For some reports, you will have to select parts of the report that you want to include in the report from the **Report Visibility** window. This window contains checkboxes for all report sections containing data. By default, all boxes will be checked. Uncheck the boxes for any sections you do not want to appear in your report. Check the **"Download All Attachments?"** box if you want to download the attachments included in the record for printing (this checkbox only appears if the report includes attachments). Click **OK**.



6. A **Report Options** window will open.
 - a. Click the **Open** icon to instantly view a printable PDF copy of the report.
 - b. Click the **Send** icon to send an email message with a PDF copy of the report attached.
 - c. Click the **Save** icon to save a PDF copy of the report to the location of your choice.
 - d. Click the **Close** icon to cancel the report.



7. To access the most recently generated report, click the **Open Local** button in the Report Settings toolbar.

Note: The Preview button should always be used to generate new reports with the most up-to-date data available in Perspective. The Open Local button should only be used to quickly reference recently run reports.

Custom Reports

You have the ability to take queries that you've built in Analysis Expert and customize them into custom reports. You define what information goes into the report and how it looks.

Note: You need user permissions to access Custom Reports.

User Interface

The interface of the Custom Reports component evolves into separate screens depending on how far along you are in building your custom report – the initial **custom reports** window and the subsequent **reports designer** window. The reports designer window of the Custom Reports component is where you modify the appearance of your report, including changing the background, font colors and sizes, adding logos, etc. The initial custom reports window is divided into the following sections:

1. **Ribbon:** Contains the buttons that perform adding and execution of custom reports.


Note: Right-click the listing pane to open a menu with the following options: Add, Edit, Share, Delete, Clone, and Execute your custom report.

2. **Listing pane:** Arranges custom reports that you create according to their access options (i.e., Shared Custom Reports or Private Custom Reports) and Custom Report category. By default, all new Custom Reports are Private Queries available only to the user who created them. In order to make a saved Custom Report available to users across your organization, you must share it. Refer to the "[Share a Custom Report](#)" chapter for more information on how to do this.

Custom Report Design Process

The following chapter involves working with Perspective's Report Designer. To understand how to use the Report Designer, please refer to the "[Report Designer](#)" section for details.

Create a Custom Report

1. Make sure the custom report category you want your created custom report to appear under is highlighted (i.e., Private Queries, Shared Queries).
2. To start a new custom report, choose one of the following options:
 - Click **Add**  on the Ribbon.
 - Right-click in the listing pane, and select **Add** from the drop-down menu that appears.

3. A Create New Custom Report dialog box will open.
4. Enter a title for the custom report in the **Report Name** field.

Note: Use specific names for your custom reports, because if same-named reports are shared, the user will only see the first query with that name.

5. Make sure the Report Category is correct. If you want to create a new Category, type it in this field.
6. In the **Report Description** text box, identify the type of custom report and/or its purpose.

Note: The Report Description field can be left blank. The Report Name and Report Category fields must be filled in.

Report Name
Incident Report

Report Category
Incidents

Report Description


Please select a query or queries for your report.

PRIVATE QUERIES		
Miscellaneous Queries		
Name	Type	Description
New Query	Incident	
New Query	Incident	
New Query	Vehicle	



Design Cancel

7. Click **Design**.
8. The new custom report entry will be added to the relevant record entry node. The Perspective Report Designer window will open (refer to the [“Report Designer”](#) section for details on how to use the Report Designer).


Save a Custom Report

1. Complete the design of your custom report.
2. Store the custom report for access at a later date by doing one of the following actions:
 - Click **Save**  on the Ribbon.
 - Click **File**, and from the drop-down menu that appears, click **Save**.

Edit a Custom Report


1. Make sure the custom report you want to edit is highlighted.
2. To open and begin editing the custom report, choose one of the following options:
 - Click **Edit**  on the Ribbon.
 - Right-click in the listing pane, and select **Edit** from the drop-down menu that appears.
3. The Custom Report dialog box will open.
 - You can change the custom report Name, Category, and/or Description.
4. Click the **Edit** button to open the custom report or the Cancel button if you have selected the wrong report.
5. Make the appropriate changes in the Custom Report Designer.
6. Store the custom report for access at a later date by clicking **Save**  on the Ribbon, or click **File** and then **Save** from the drop-down menu that appears.


Clone a Custom Report

1. Make sure the custom report you want to clone is highlighted.
2. To clone the custom report, choose one of the following options:
 - Click **Clone**  on the Ribbon.
 - Right-click in the listing pane, and select **Clone** from the drop-down menu that appears.
3. A prompt will appear, asking if you are sure you want to clone the custom report. Click the **Yes** button to clone the report, or No to cancel the cloning process.


Note: If you do not have Manage rights, you will be unable to clone or edit a custom report.

Share a Custom Report

1. Make sure the custom report you want to share is highlighted.
2. To share the custom report, choose one of the following options:
 - Click **Share**  on the Ribbon.
 - Right-click in the listing pane, and select **Share** from the drop-down menu that appears.
3. The Share Custom Report dialog box will open.
4. Click the **Add User** or the **Add Role** button.


5. Select the user you want to share the custom report with by typing his/her name and/or role in the text field, or scrolling through all users and/or roles.
6. Double-click the user's name and/or role to confirm your selection.
 - Click the **Allow Manage** checkbox if you want the user or a particular role to have the ability to edit, share, delete, or clone the shared custom report.
7. Click **Save**.
 - Shared custom reports will have the  **Share** icon displayed beside the title.

Delete a Custom Report

1. Make sure the custom report you want to delete is highlighted.
2. To delete the custom report, choose one of the following options:
 - Click **Delete**  on the Ribbon.
 - Right-click in the listing pane, and select **Delete** from the drop-down menu that appears.
3. A prompt will appear, asking if you are sure you want to delete the custom report. Click the **Yes** button to delete the report, or No to cancel the deletion process.

Note: A custom report that has been shared to you by another user cannot be deleted.

Execute a Custom Report

1. Once your custom report is created, you may either run it immediately, or save it for further use, and then run it. To run a saved custom report, select the name of the report you want to run from the custom reports list in the listing pane.
2. To execute the query, choose one of the following options:
 - Click **Execute**  on the Ribbon.
 - While in the Report Designer, click **File, Export** and from the menu that appears, select the file type you want the report to be run in.

Report Designer

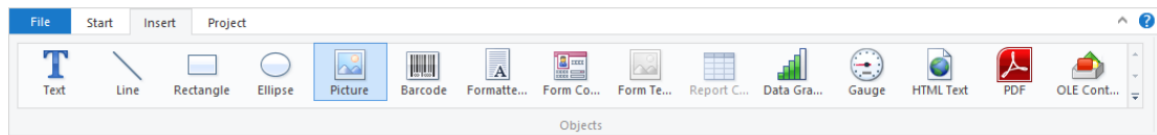
In the Report Designer, you have all your query data at your disposal and can prepare it for printing in different ways.

Getting Started

Insert a Company Logo into the Report

For the company logo, please use the "sunshine.gif" file, which you will find in the directory for the Sample Application. We also need a "Picture" object. Proceed as follows:

1. Click **Insert > Picture** (Objects > Insert > Picture).



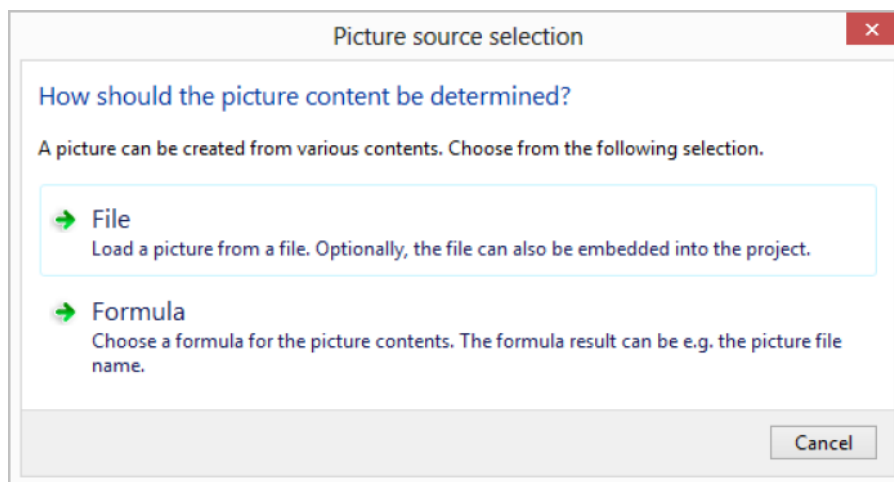
Note: Objects are your project's building blocks. They are generated in the workspace where they are also given a border with which their size and position can be changed. This border defines the space that the object takes up and thus also the maximum size to which the contents of the respective object can be expanded. Objects may overlap fully or partly.

2. In the workspace, point the mouse to the position where the upper left corner of the object is to begin. The mouse cursor changes to a crosshair. Hold down the left mouse button and drag the crosshair to the lower right corner of the planned object. Release the mouse button when the object (the dashed border) is the right size.

Note: Objects can be added to the workspace in different ways: via the menu Objects > Insert, via the toolbar or via keyboard shortcuts, or with Drag and Drop from the list of variables.

3. Select if the picture is loaded from a file or if the content is defined by a formula/variable.

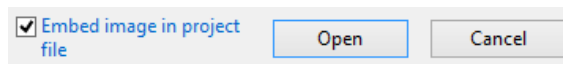
Note: This dialog is not available in Windows XP, the file selection dialog will appear directly.



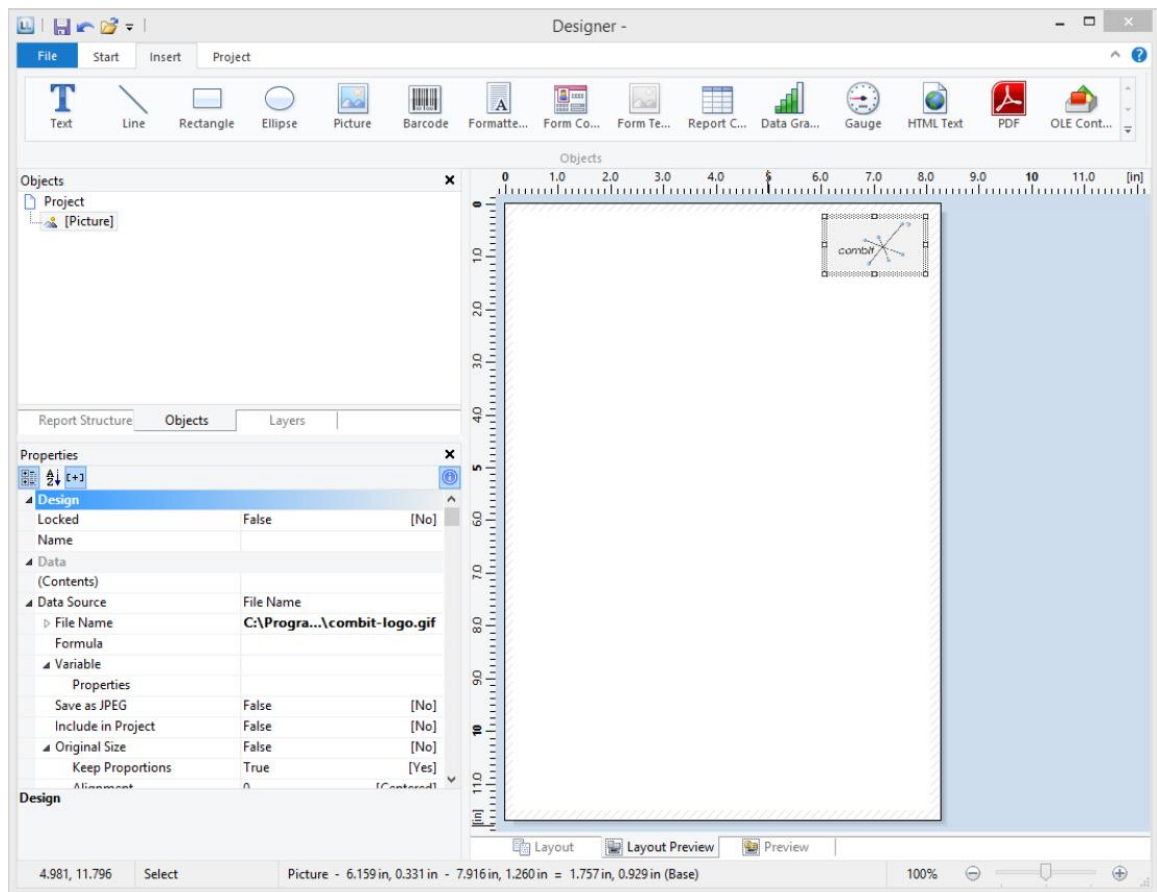
4. If you select **File**, a file selection dialog will appear. Select the image file.

Note: The following formats are available: LL, BMP, DOCX, HTML, JPG, PDF, PNG, RTF, SVG, TXT, TIFF, XLS, XLSX, XML, and XPX. As a general rule, you should use the RGB color space (not CYMK). Transparency in PNG files is supported by using the corresponding Windows functions. In our experience the majority of printer drivers do not support transparency so that reports with e.g., partly transparent PNG files should thoroughly be tested on the actual hard-software combination. If that is not possible we recommend doing without the alpha channel.

Insert the picture into the project by enabling the **"Embed image in project file"** checkbox option.



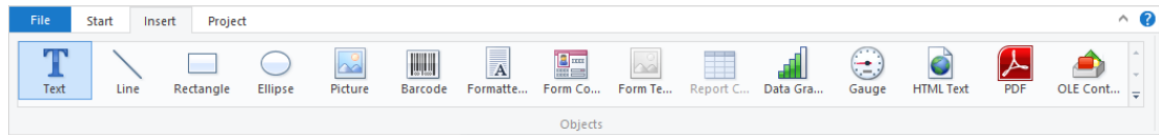
- After you select the file, select the **Embed image in project file** checkbox, and click **Open**, the logo will be inserted into your report.



Add a Title to the Report

Use a text object to add a title to the report. Text objects let you place text in the workspace. As well as fixed text, you can also insert the contents of fields (variables) from the database (e.g., company name), or you can use functions (page number, date, etc.).

1. Click **Insert > Text** (Objects > Insert > Text).



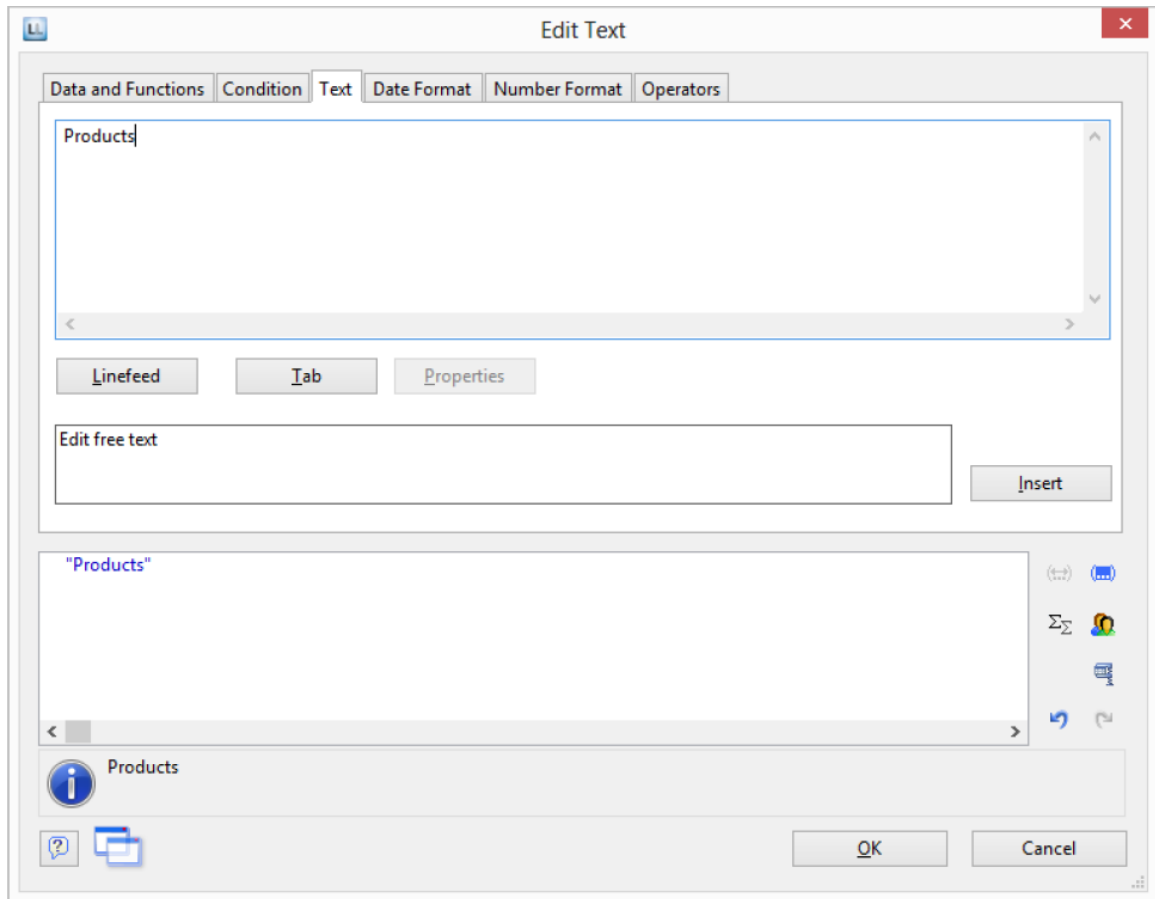
2. In the workspace, hold down the left mouse button and pull the object to the required size. Text objects should always be created in the maximum size you want, the object shrinks at print time to the required size.
3. The formula wizard will now appear which you can use to define the contents of the text object.

This dialog consists of a series of tabs each containing different elements to be edited. The following chapters explain the meanings of these elements in more detail.

- **Data and Functions:** the available variables, fields, and functions.
- **Condition:** for defining IF-THEN-ELSE conditions.
- **Text:** for entering fixed text and tabs.
- **Date Format:** different date formats.
- **Number Format:** different number formats.
- **Operators:** available conjunction operators.

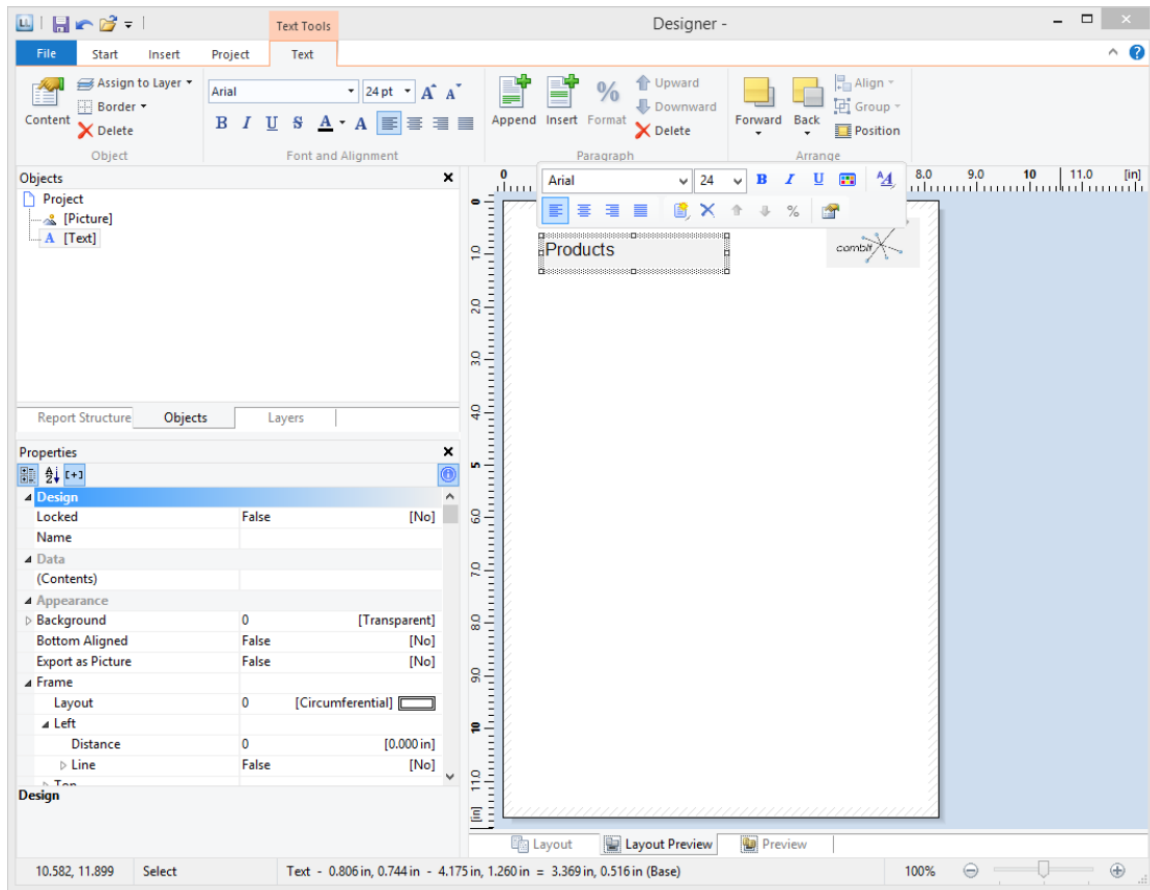
You can also enter the expression that you want directly in the edit box or modify the text that is there (e.g., put something in brackets).

Therefore, enter our title "Products" directly. Fixed text must be enclosed in quotation marks. Enter names of data and functions without brackets.



Note: Please note that there are two ways of writing expressions, depending on their use. You will find more information about this in the chapter "Variables, Fields and Expressions".

4. The title will be displayed when you close the dialog with OK.
5. Use the tab **Texttools** > **Text** (mini-toolbar) to enlarge the font size.
6. You have now added the title:

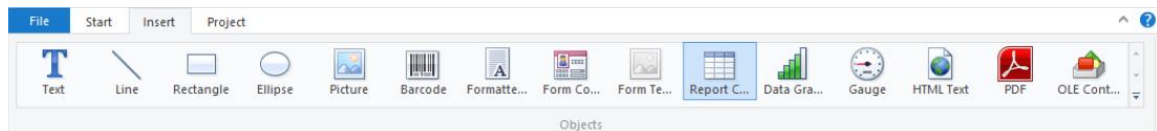


Insert the Table for the Product List

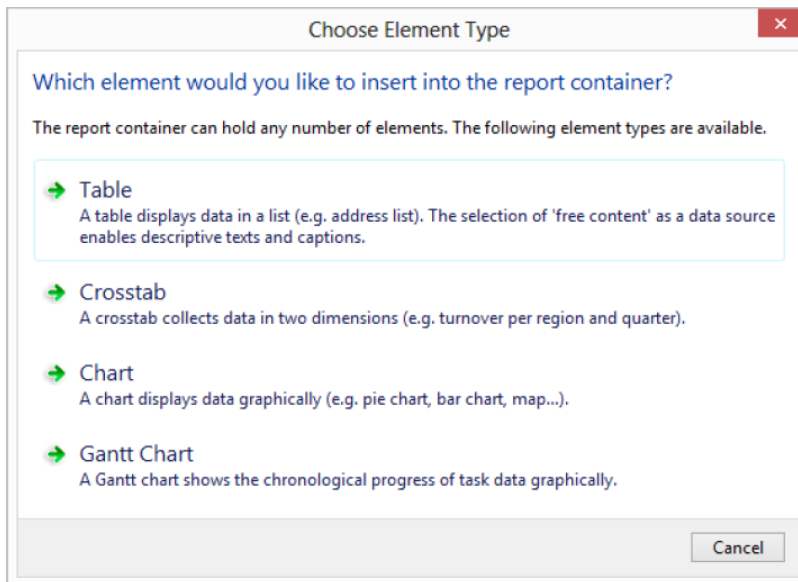
Use the "Report Container" object to add a table to the report. As the name says, a report container can hold several objects: tables, charts and crosstabs can be added in any order.

Note: The report container is not available in all applications. In applications that don't have the report container, use the "Table" object.

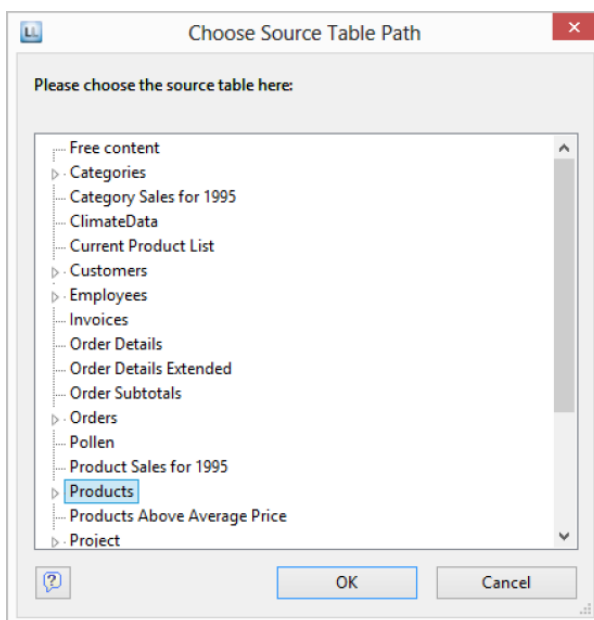
1. Click **Insert > Report Container** (Objects > Insert > Report Container).



2. In the workspace, hold down the left mouse button and pull the object to the required size.
3. A selection dialog will appear for the chosen element type. Choose the "**Table**" element type.

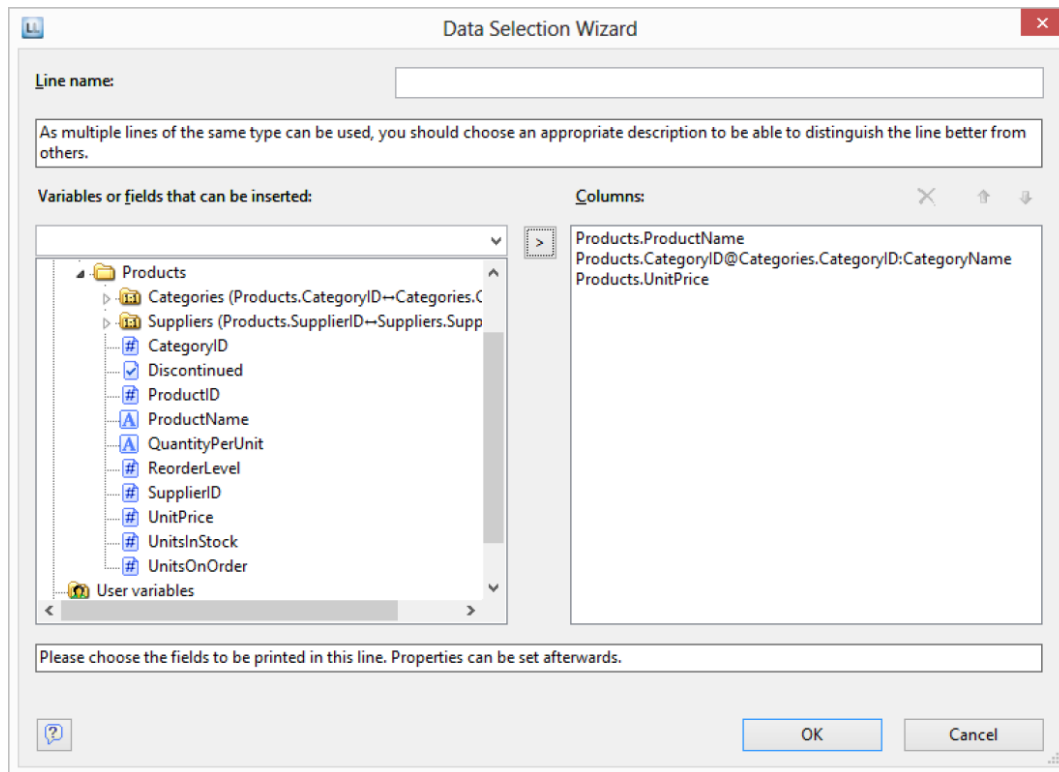


- Now supply the data source in the following dialog. All available tables are shown hierarchically; in other words, under the tables, you will find the relational tables in each case.



Select the "**Products**" table because it contains the fields that we want for our product list.

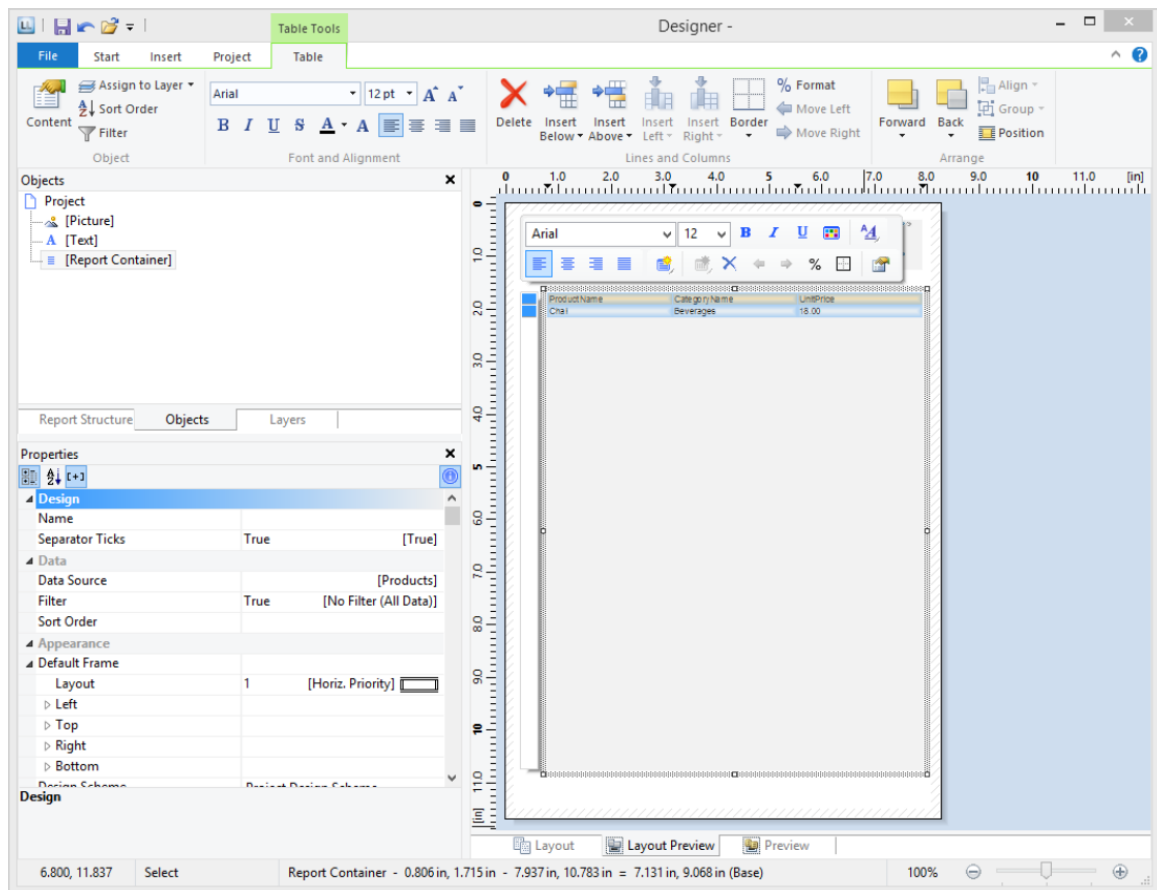
- A selection wizard will appear with all the fields in the "Products" table. In addition, underneath the "Products" table, you will also find the fields in the tables "Categories" and "Suppliers" which have a 1:1.relationship with "Products".



In this dialog, now choose the columns for the table. Double-click a field, e.g., "**ProductName**". The field will be added to the "Columns" area.

6. Repeat this step for all fields that are to be shown in the table; i.e., also the "**CategoryName**" field from the linked table "**Categories**" and the "**UnitPrice**" field for the unit price. Confirm your selection by clicking **OK**.
7. The table will now be displayed in the workspace.
 - The selected fields are displayed in the data line, in other words, the data line contains the data.
 - In addition, a header line is automatically produced. Header lines are used mostly as column titles, i.e., the selected field names are now shown here as text.
 - If you pull the report container widthwise to make it wider or narrower while holding down the CTRL key, the columns will be adjusted proportionally to fit.
 - The width of the columns adjusts automatically. You can adjust the width of a column manually by moving the separating line to the right or the left with the mouse.

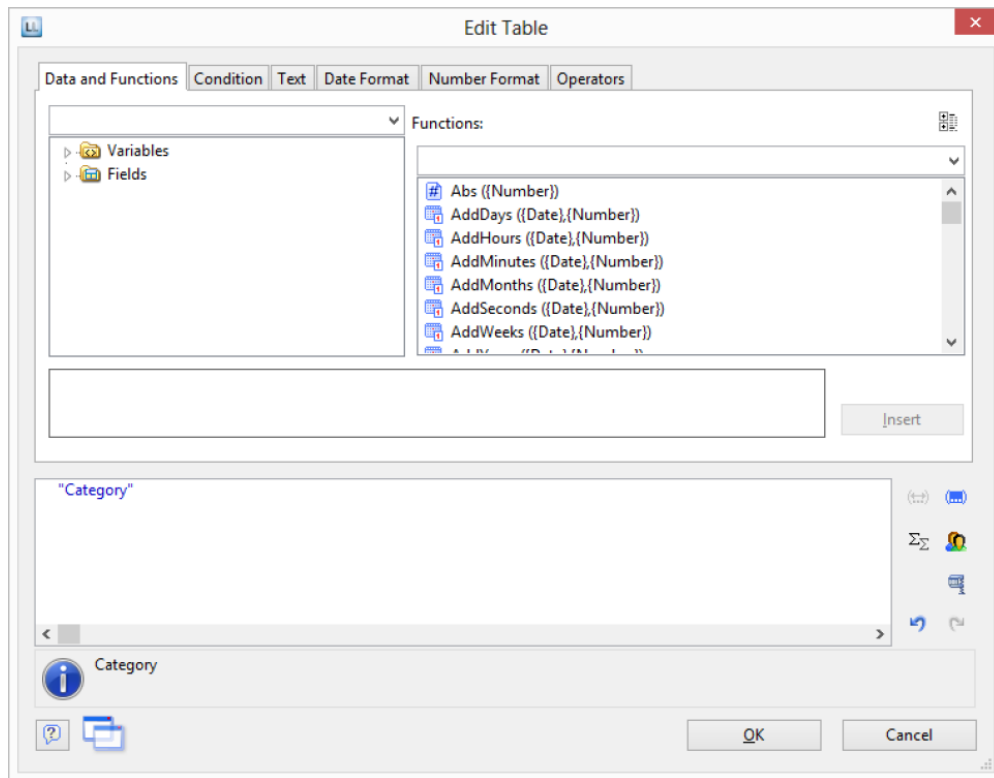
Note: This changes all table columns, whose separators are within +/-2 mm from the mouse position. If you hold down the CTRL key, the action will only be carried out for the line on which the mouse is positioned. If the "Column width modification affects next column" option is enabled (File > Options > Workspace), you can alter the column width while making the next column smaller.



Format Table Fields

Only a few basic formatting options are explained here.

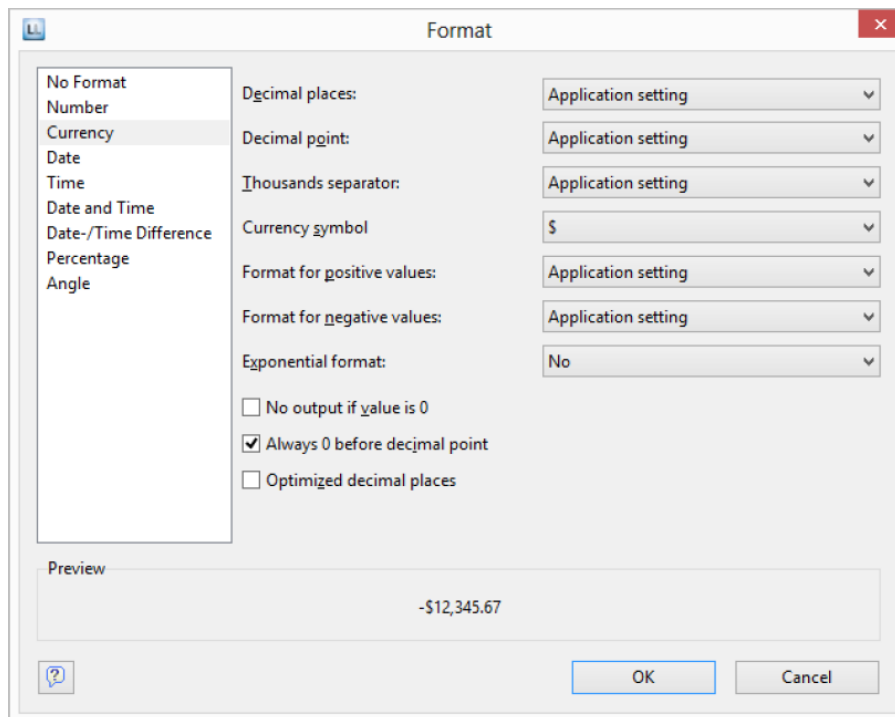
1. In the product category column title, the field name "CategoryName" is shown. Click the respective field in order to change this text to "Category". The formula wizard will now appear, which you can use to change the contents of the field. Text must be enclosed in quotation marks.



2. In addition, we want to format the unit price as currency and align the entire column to the right. You will find both formatting options in the tab **Table Tools > Table** (mini-toolbar). Click in the upper left corner to select the field containing the unit price.

ProductName	Category	UnitPrice
Chai	Beverages	1.00

3. Click the button **"% Format"** for the formatting dialog
4. A selection dialog will now appear in which you can select the formatting that you want for the numeric field. To do this, choose the type on the left hand side i.e., **"Currency"**. In the right pane, you can specify the currency formatting in detail. The settings for the relevant application will be used in each case as standard. Alternatively, you can choose the system setting or a user defined setting.



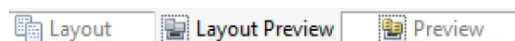
- Finally, select both fields (the header and the data line) to align them to the right. To do this, hold down the **CTRL** key and select both fields by clicking in the upper left corner in each case. Then click the button for right alignment.

ProductName	Category	Unit Price
Chai	Beverages	18.00

Display a Preview of the Report

Until now, you have only seen the report in layout view as a structure with a record. To get an impression of the result, you can display a preview of the report. Use the tabs in the bottom margin of the workspace to change to the preview.

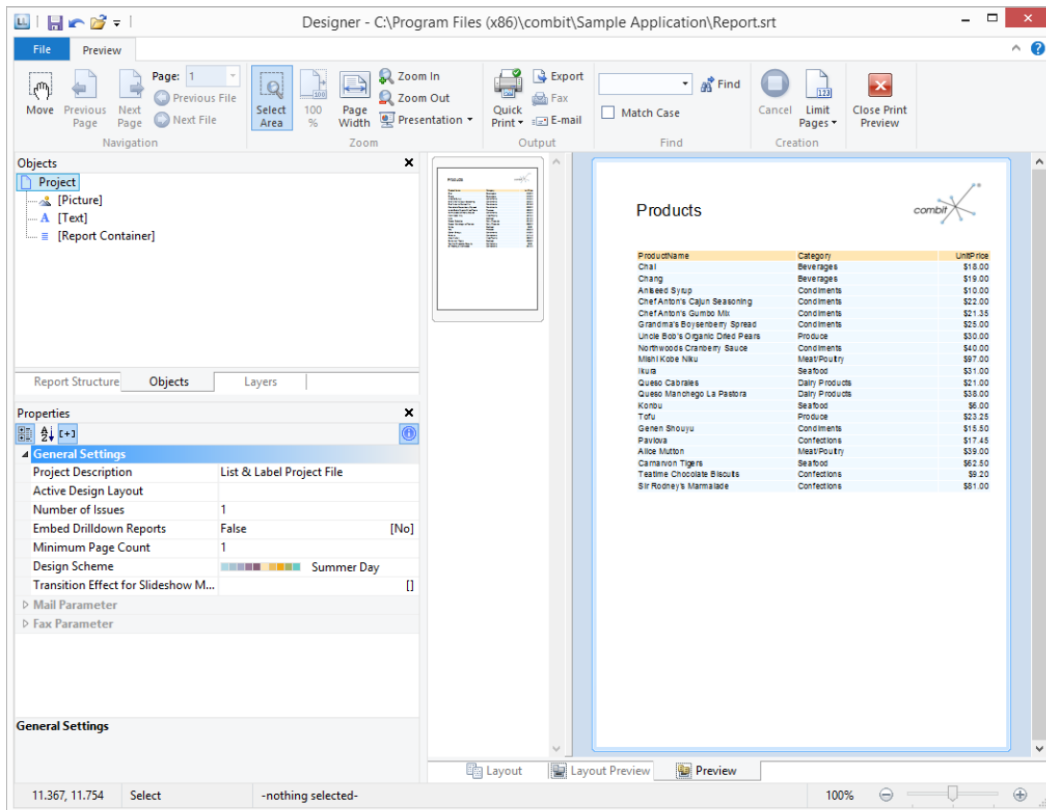
Note: Real data preview mode is not supported by all applications.



The report will now be displayed with the data from the "Products" table. You can also change the number of "products" or data records in the Sample Application.

- To do this, save the report with **File > Save**.
- End the Designer with **File > Close**.
- In the Sample Application, choose **Options > Settings**, and increase the maximum number of root records to 50.

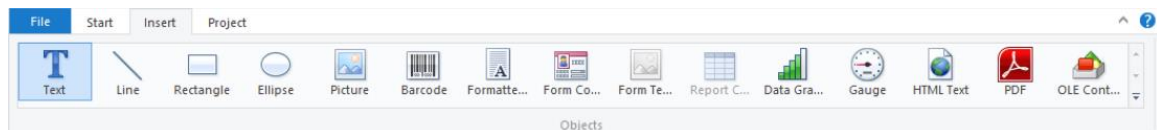
- Open the print template that you created again via Design > Extended Samples, and switch to preview mode. Your report will look roughly like this:



Add a Page Number

It's a good idea to add a page number in the lower area of the page. To do this, add a new text object. You will be using functions (such as the page number function) as well as fixed text with this object.

- Choose Insert > Text (Objects > Insert > Text).

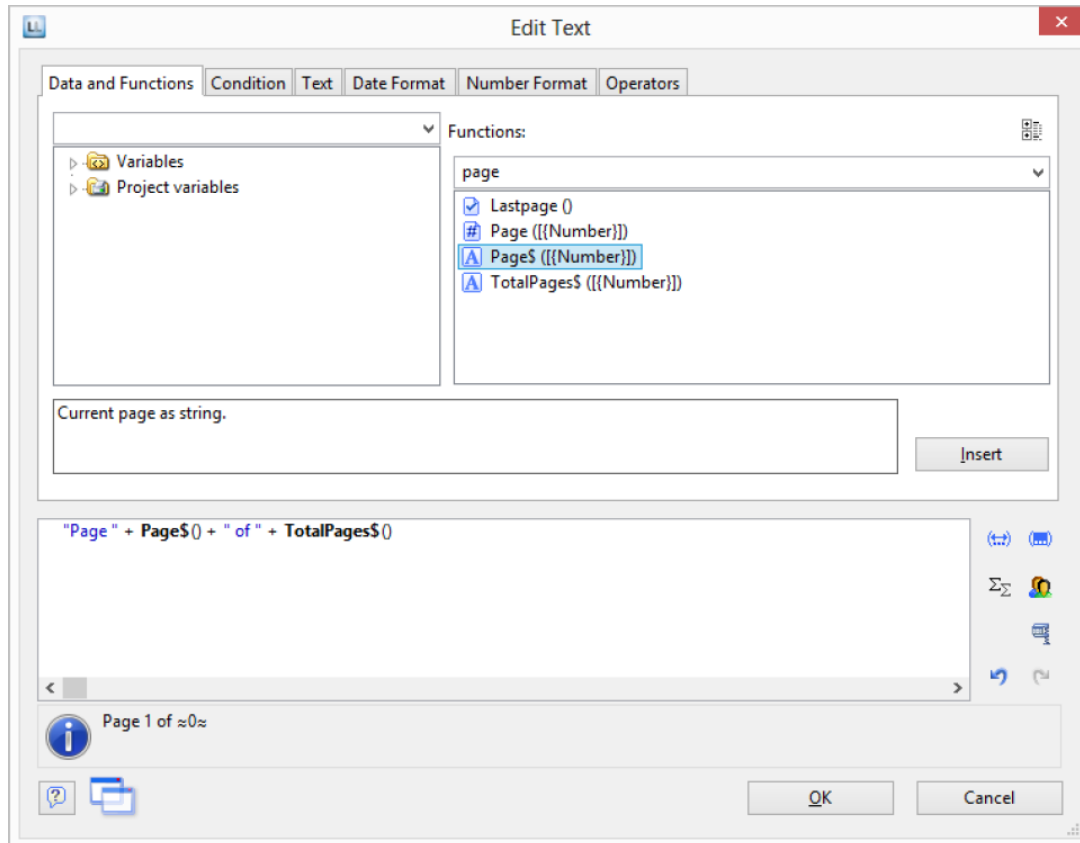


- In the workspace, hold down the left mouse button and pull the object to the required size.
- The formula wizard will now appear which you can use to define the contents of the text object. The available functions are shown in the right pane. You can use an auto filter with this list. Type "page" in the filter field. This will cause all functions containing the expression "page" to be displayed.
 - The "Page\$ ()" function returns the page number.

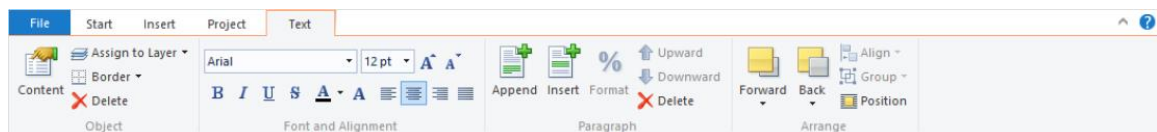
- The "TotalPage\$ ()" function returns the total number of pages.

Add the "Page\$ ()" function to the result area by double-clicking.

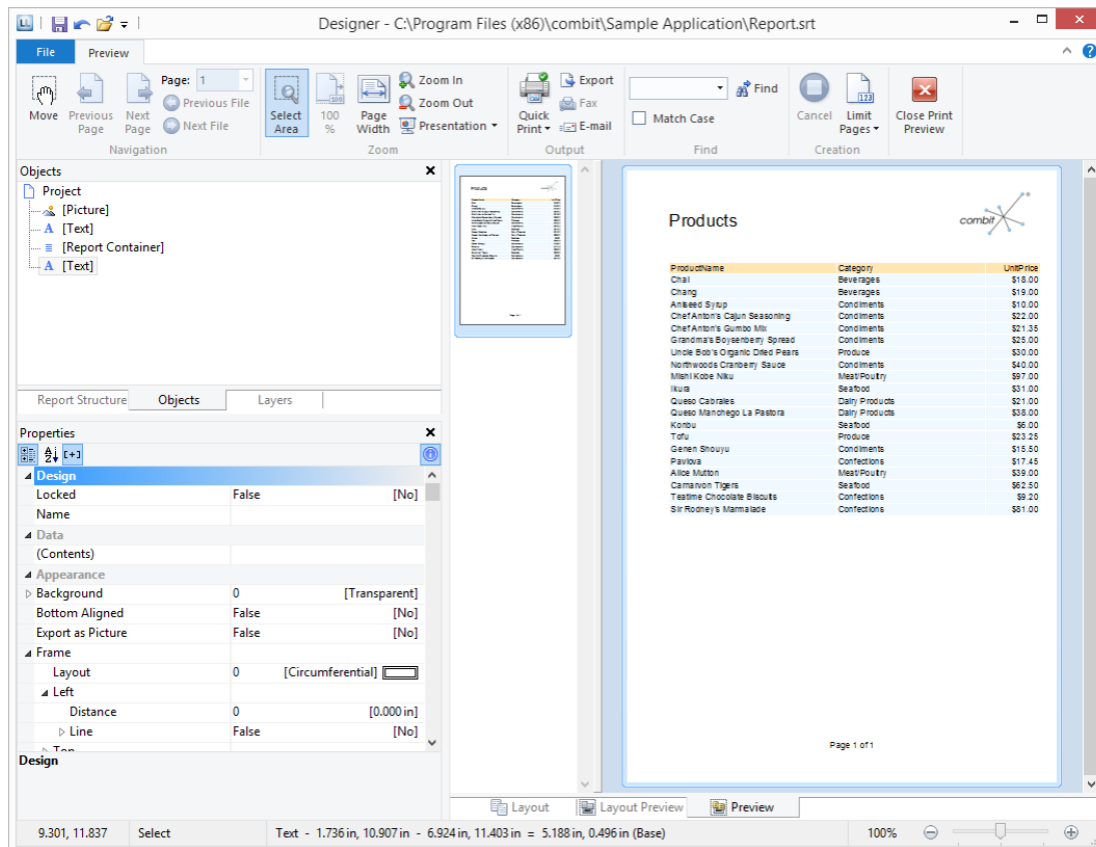
4. If you now want to output a footer in the form of "Page 1 of 2", you can enter the text "of" directly in the usual way. Please consider that individual parts must be joined with a "+" and that text must be enclosed in quotation marks.
5. Now add the "TotalPages\$ ()" function by double-clicking to get the total number pages. The formula will look like this:



6. You can center this line in the report in the usual way:



7. Switch to preview mode to view the result:



General Procedures

Choose a Page Layout

The first task in a new project is to set up the page layout that you want. Click **Project > Layout Regions** (Project > Page Layout) to specify properties such as the choice of printer, paper size, and orientation.

If multiple layout areas are defined, the active workspace can be selected via the "Active Design Layout" project property.

Zoom

It is possible to zoom in on the workspace. Use "Zoom In", "Zoom Out", and "100%" to adjust the view in the workspace. Use the Zoom slider in the status bar to slide to the zoom percentage you requires (50% - 500%).

Use "Select Area" to select the view area with the left mouse button. Click **Start> Select Area** (objects toolbar > Select).

Status Line

The status line is divided in three sections.

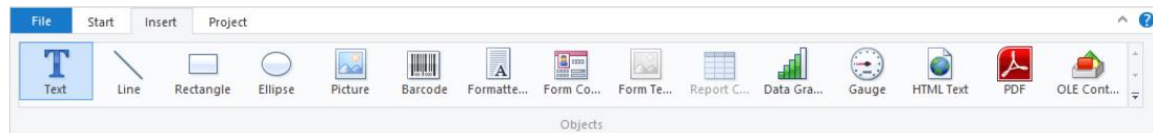
- The current mouse position from upper left.
- The active operation (e.g., selection).
- Name, position upper left, position lower right, width, height, and layer of the selected object.
- Zoom slider for Workspace and Preview.

8.635, 14.339	Select	Text - 0.725in, 1.629in - 3.520in, 2.709in = 2.795in, 1.080in (Base)
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Ribbon

The Ribbon contains command buttons on different tabs. The commands are arranged according to how often they are used. Frequently used commands are available prominently; less frequently used commands are located on less prominently.

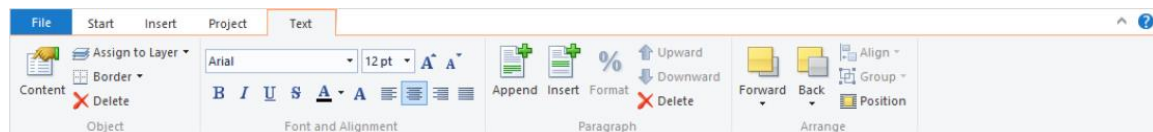
Note: Alternatively, you can work with a classic menu and toolbars. Select the type of display in the project options (Project> Options> Workspace).



Some other commands are displayed only when you might need them, in response to an action.

Text Tools

If you insert a text object, the Text Tools and the tab "Text" are displayed. The tab contains the commands you need for working with text objects. When you have finished the work on the text object, the Text Tools are hidden.

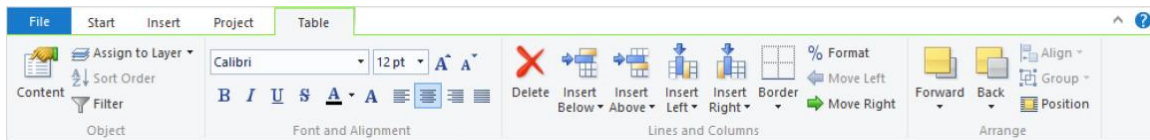


With the Text Tools you can append/insert a paragraph, move paragraphs upwards/downwards, apply fonts, font sizes, text colors and formatting as well as arrange objects.

- To select a complete paragraph, click onto the bar on the left. Hold CTRL or SHIFT to select multiple paragraphs or a complete range.

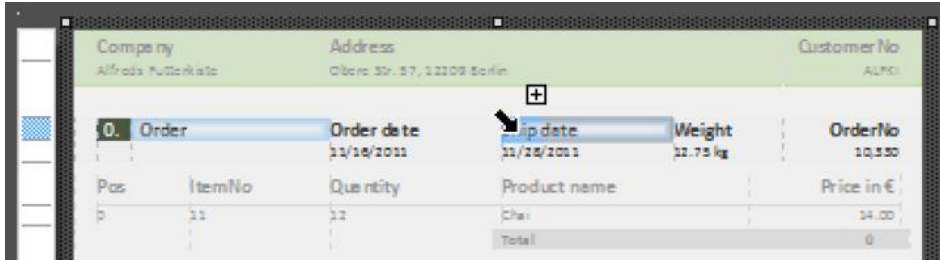
Table Tools

If you insert a table, the Table Tools and the tab "Table" are displayed. The tab contains the commands you need for working with table objects. When you have finished the work on the text object, the Table Tools are hidden.

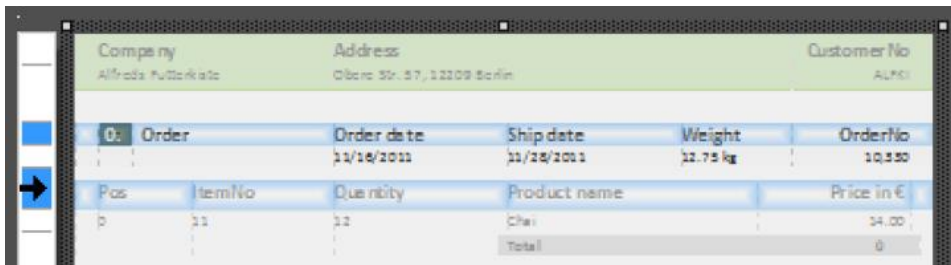


With the Table Tools you can define a new line, insert a new row, move selected rows/cells to the left/right, borders, apply fonts, font sizes, text colors, and formatting, as well as arrange objects.

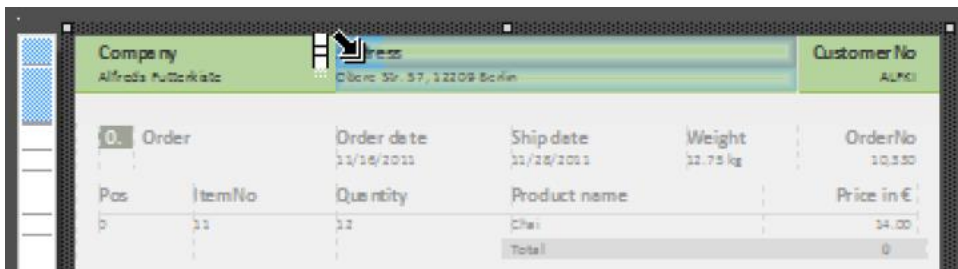
- To select a field, click in the top left corner of the field. Hold CTRL or SHIFT to select multiple fields or a complete range.



- To select a complete line, click onto the bar on the left. Hold CTRL or SHIFT to select multiple paragraphs or a complete range.

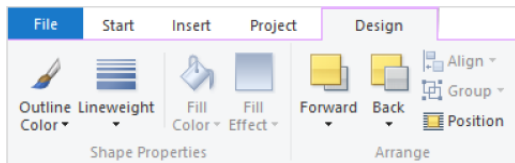


- To select a complete column, hold ALT. Hold CTRL or SHIFT to select multiple columns or a complete range.



Drawing Tools

If you insert a drawing object, the Drawing Tools and the tab "Design" are displayed. The tab contains the commands you need for working with drawing objects (e.g., Outline color, Lineweight).



Minimize the Ribbon

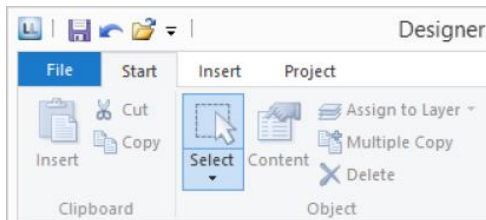
The ribbon can be minimized in order to save screen space.

- Right-click the ribbon, and then click Minimize the Ribbon.
- To quickly minimize the ribbon, double-click the name of the active tab. Double-click a tab again to restore the ribbon.
- To minimize or restore the ribbon via Keyboard shortcut press CTRL+F1.

To use the ribbon while it is minimized, click the tab you want to use, and then click the option or command you want to use.

File Menu

The File menu contains commands for saving, printing, exporting the project, and the project options.



Quick Access Toolbar

The Quick Access Toolbar is a customizable toolbar that contains a set of commands that are independent of the tab on the ribbon that is currently displayed. You can move the Quick Access Toolbar from one of the two possible locations, and you can add buttons that represent commands to the Quick Access Toolbar.

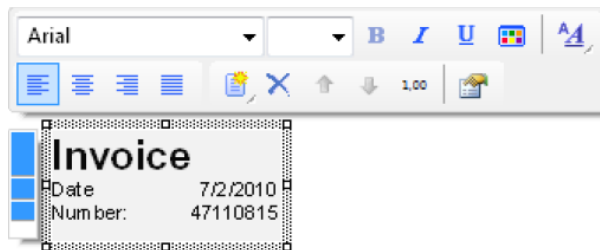
On the ribbon, click the appropriate tab or group to display the command that you want to add to the Quick Access Toolbar. Right-click the command, and then click "Add to Quick Access Toolbar" on the shortcut menu. In order to delete a command, right-click the command you want to remove from the Quick Access Toolbar, and then click "Remove from Quick Access Toolbar" on the shortcut menu.

Mini-toolbar

When you select a text object or a table object, a convenient toolbar in miniature format is displayed, the mini-toolbar.

Note: The Mini toolbar is especially useful if you use the classic menu and toolbars instead of the ribbon. You can select the type of display in the project options (Project > Options > Workspace). When using the ribbon, the functions of the mini-toolbar will be displayed in the tabs "Text Tools" and "Table Tools".

- With the mini-toolbar you can add a text paragraph, define a new table line, insert a new table row, apply fonts, font sizes, orientations, text colors and formatting as well as open the object dialog.
- You can close the mini-toolbar by pressing ESC. With the project option "Show mini-toolbar" (File > Options > Workspace) it can be suppressed permanently.



Default Settings for Font and Frame

Click **File > Options > Objects**.

The "Select" button under "Object font" lets you choose the default font to be used for objects. Under "Color preferences", you can specify the border and the filling for objects.

New objects will be created according to these settings. However, you can change the settings later individually for each object.

When you start a new project, it's a good idea to configure these settings using suitable values to keep the effort required for making manual changes to a minimum. The settings only apply for the current project.

The "Default" parameter in the respective object properties (Font/Frame/Background) is active as standard for all objects. Therefore, if the default values are changed later, this will also affect all objects whose font has not been changed manually.

Create a Professional Table

In this chapter, we will extend the previous examples to include more functions, output grouped data, use appearance conditions and layers to allow multiple pages to be output and add more elements to the report container.

Use Advanced Features with the Report Structure

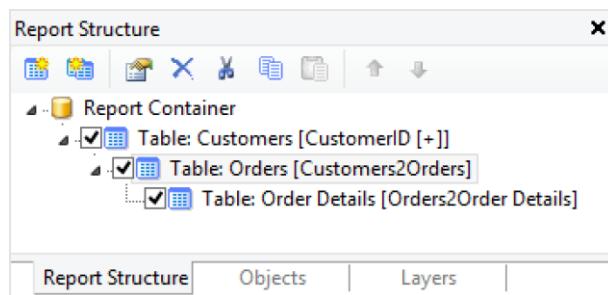
You use the "Report Container" object to add a table. As the name says, a report container can hold several objects.

Tables, charts, crosstabs and Gantt charts can be added in any order, even as sub-elements of tables. This lets you define sub-reports with almost any relationships between tables.

However, only one report container is permitted and you cannot define any separate tables, charts, crosstabs or Gantt charts.

You define new elements in the "Report Structure" tool window along with the hierarchical structure that you want. All elements and respective sub-elements of a report structure are shown here, with object type and data source [relation name, sort name], in the order in which they will later be printed (sequence plan).

The currently selected item will be highlighted in the workspace. By using the checkboxes in the tool window "Report Structure", you can toggle the visibility of elements, sub elements and branches.



All actions are available in a context menu. There are additional buttons in the top toolbar for the frequently used actions.

To add a new element to the report container, select the "Append an element" or the "Append a sub-element" button. Sub-elements are only possible with tables.

Only one element is displayed at any time in the workspace. This means that with the "Report Structure" toolbar, you select the element that you want to be displayed in the workspace.

Practise: Define the Report Structure Correctly

Let's assume that you want to produce a list of all customers, showing the orders of the respective customers and all order items.

You want the result to look roughly like this:

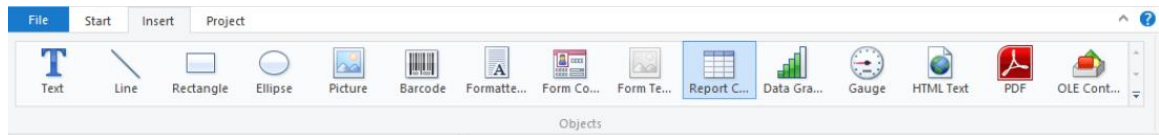
Order Overview

Customer orders

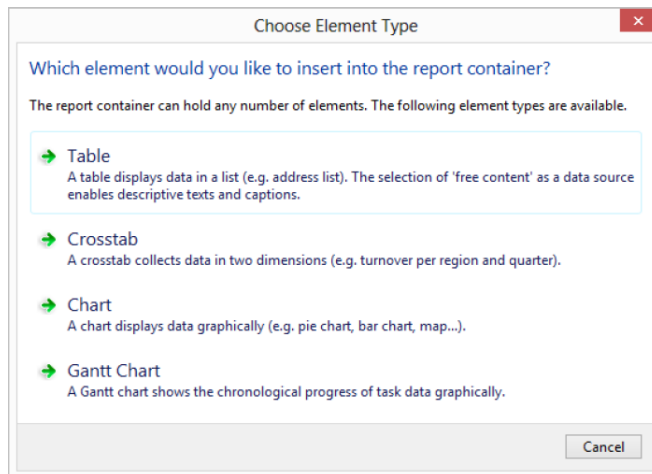
Company		Address		CustomerNo	
Alfreds Futterkiste		Obere Str. 57, 12209 Berlin		ALFKI	
1.	Order	Order date	Ship date	Weight	OrderNo
		25.09.2012	08.10.2012	29.46 kg	10643
Pos	Item No	Quantity	Product name	Price in €	
1	28	15	Rössle Sauerkraut	45,60	
2	39	21	Chartrouse verte	18,00	
Total				63,60	
2.	Order	Order date	Ship date	Weight	OrderNo
		09.11.2012	13.11.2012	61.02 kg	10692
Pos	Item No	Quantity	Product name	Price in €	
1	63	20	Vegie-spread	43,90	
Total				43,90	
Total of orders					107,50
Company		Address		CustomerNo	
Ana Trujillo Emparedados y helados		Avda. de la Constitución 2222, 05021 México D.F.		ANATR	
1.	Order	Order date	Ship date	Weight	OrderNo
		19.10.2011	25.10.2011	1.61 kg	10308
Pos	Item No	Quantity	Product name	Price in €	
1	69	1	Gudbrandsdalsost	28,80	
2	70	5	Outback Lager	12,00	
Total				40,80	
2.	Order	Order date	Ship date	Weight	OrderNo
		08.09.2012	14.09.2012	43.90 kg	10625
Pos	Item No	Quantity	Product name	Price in €	
1	14	3	Tofu	23,25	
2	42	5	Singaporean Hokkien Fried Mee	14,00	
Total				37,25	
Total of orders					78,05
Total of all customers					185,55

To achieve this, proceed as follows:

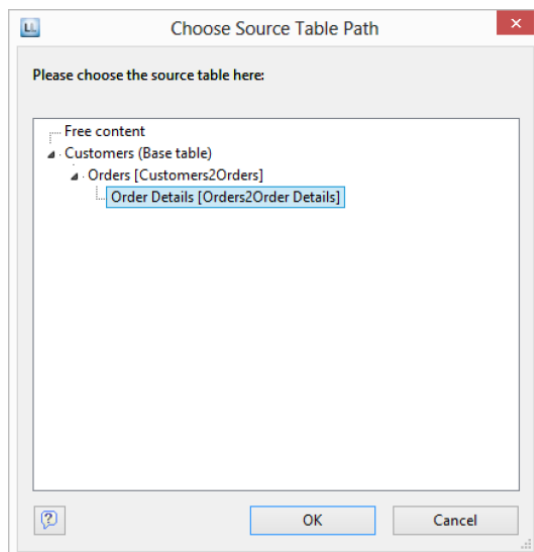
1. Click **Insert > Report Container** (Objects > Insert > Report Container).



2. In the workspace, hold down the left mouse button and pull the object to the required size.
3. A selection dialog will appear for the chosen element type. Choose the "Table" element type.



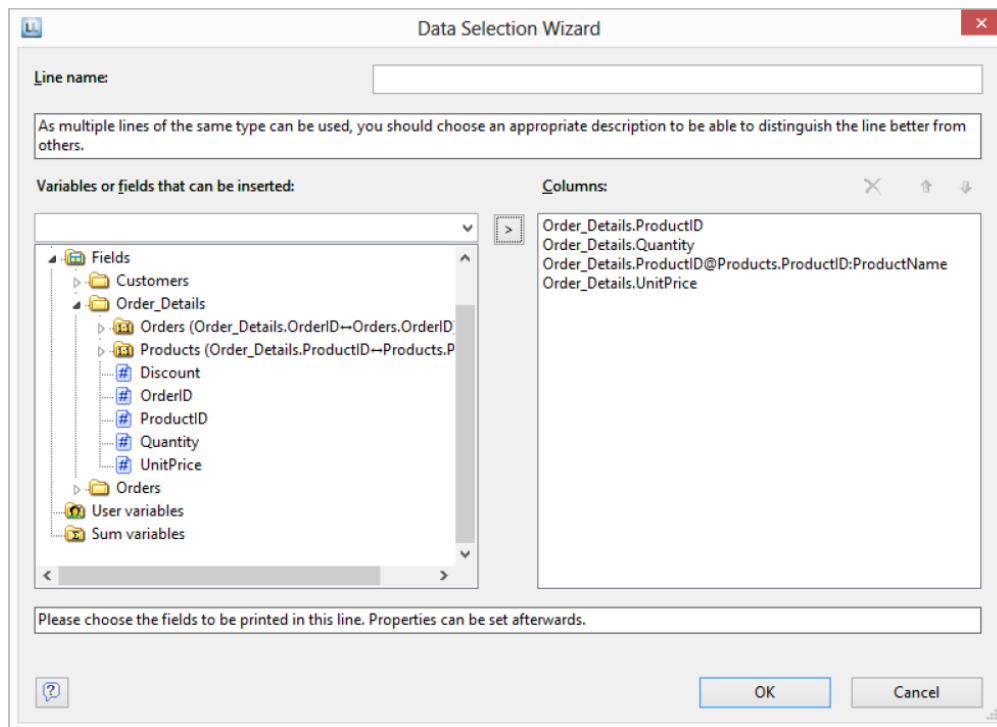
4. You specify the data source in the following dialog. All available tables are shown hierarchically, in other words, under the tables, you will find the relational tables in each case.



For the list of invoices, you need the following structure: Customers > Orders > Order_Details.

You have two alternative procedures at this point:

- a. You select the "Customers" table to first create the "top" table. This corresponds to a top-down procedure; meaning that you then add the "Orders" sub-table followed by the "Order details" sub-table by means of the "Report Structure" tool window.
 - b. Or you choose the structure that you want right from the start by selecting the "lowest" table. This corresponds to a bottom-up procedure, meaning that you create all three tables starting by designing the "lowest" table.
5. You will be using the second method in this example. Accordingly, you select the table "Customers > Orders > Order_Details".
 6. A selection wizard will appear with all the fields in the "Order_Details" table.



In this dialog, now choose the columns for this sub-table. For example, double-click the "ProductID", "Quantity", "UnitPrice" and "ProductName" fields from the "Products" table which has a 1:1 relationship. This will add the fields to the "Columns" area. You can change the order with the arrow button.

7. All tables will now be displayed in the workspace, the currently selected item "Order_Details" will be highlighted in the workspace.
 - The selected fields are displayed in the data line, in other words, the data line contains the data.

- In addition, a header line is automatically produced. Header lines are used mostly as column titles, i.e., the selected field names are now shown here as text.
- The width of the columns adjusts automatically. You can adjust the width of a column manually by moving the separating line to the right or the left with the mouse.

Note: This changes all table columns whose separators are within +/-2 mm from the mouse position. If you hold down the CTRL key, the action will only be carried out for the line on which the mouse is positioned. The "Column width modification affects next column" option lets you alter the column width while making the next column smaller.

8. To define the columns of the "Orders" table, double-click the table in the "Report Structure" tool window.

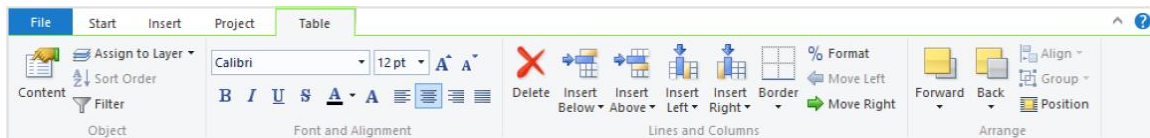
Modify Fields and Columns

There are two possibilities for adding additional columns to tables or for editing and formatting them in detail.

Table Tools and Mini-toolbar

If you insert a table, the Table Tools and the tab "Table" are displayed. The tab contains the commands you need for working with table objects. When you have finished the work on the text object, the Table Tools are hidden.

Optionally, you can activate a mini-toolbar for the tabel-objects (File > Options > Workspace).

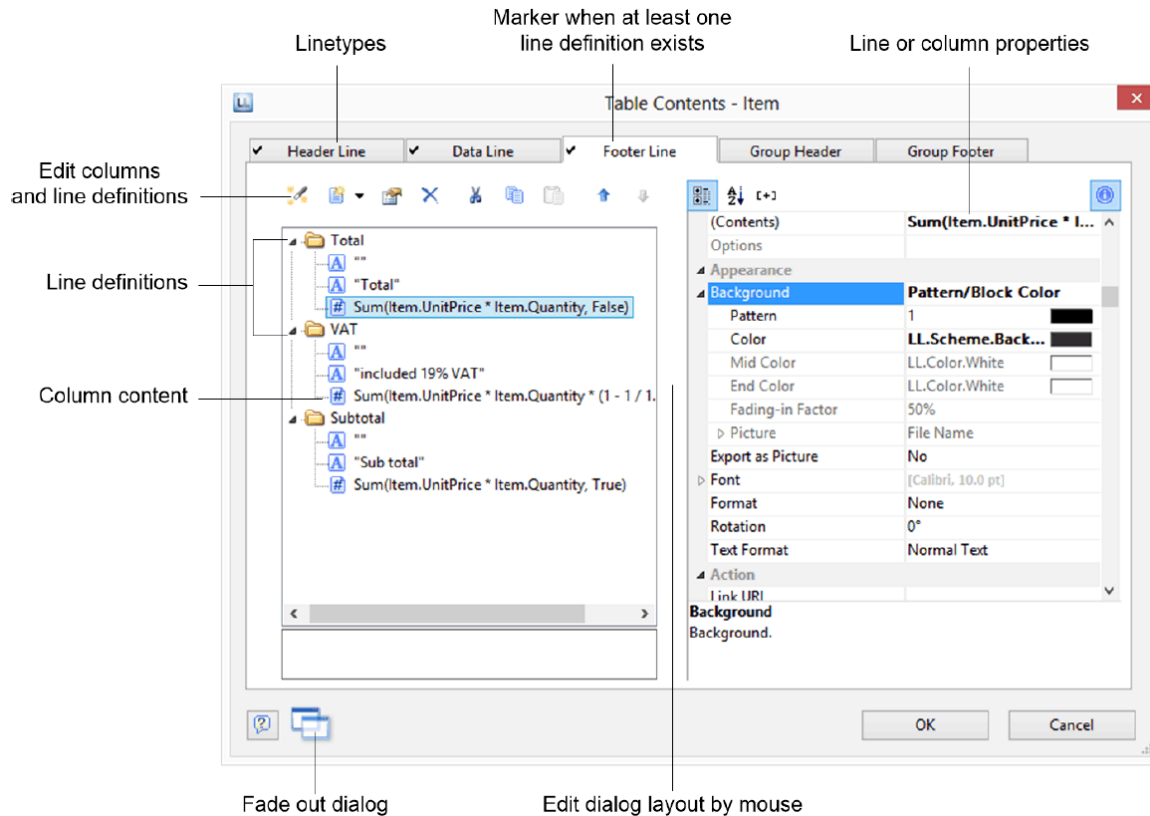


With the Table Tools you can define a new line, insert a new row, move selected rows/cells to the left/right, borders, apply fonts, font sizes, text colors and formatting as well as arrange objects.

- To select a field, click in the top left corner of the field. Hold CTRL or SHIFT to select multiple fields or a complete range.
- To select a complete line, click onto the bar on the left. Hold CTRL or SHIFT to select multiple paragraphs or a complete range.
- To select a complete column, hold ALT. Hold CTRL or SHIFT to select multiple columns or a complete range.

Object Dialog

Use the object dialog for more advanced functionalities. You open this dialog via the corresponding button in the mini-toolbar or by double-clicking the element in the report structure.



There is a tab for each type of line where you can specify the different definitions and columns for the respective line. The following types of line are available: header line, data line, footer line, group header, group footer. A checkmark on the tab indicates that a line type has one or more line definitions.

- Header lines are mostly used as titles for the columns of the table.
- Data lines contain the formatting for the actual table rows and the data that is to be shown in the table.
- Footer lines are displayed at the very end of the table and can hold final information about the data lines that are output above.
- Group header and footer lines are used to structure the data lines by means of "Intermediate headings" and "Intermediate footers".

All line types can be defined independently of one another.

- This means that the columns of a header line can have a different appearance as the data lines or footers that follow.





- You can also create different line layouts or line definitions for the individual line types. It is then possible to activate the different line definitions with special appearance conditions as required.

Variables-/Field-List, and Drag and Drop

The Variables-/Field-List (Project > Variables/Fields) shows all available variables and fields of the current project. To add more columns to existing rows you can simply drag the desired fields from the list onto the corresponding position with the mouse (drag and drop). The field can be inserted to the left or right of the corresponding column, a symbol shows the insert position. The column (standard width 30mm) will be inserted in the corresponding row. Please note that columns could be created in the non-visible area.

Define Multiple Line Layouts

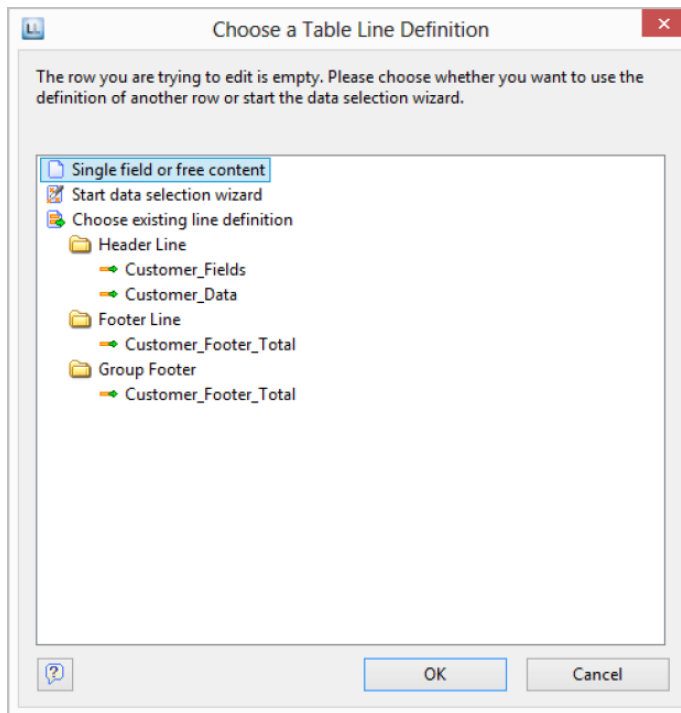
You can define different layouts for each type of line. Depending on the appearance conditions, the appropriate layout is used in each case according to the situation. For example, you can output two table lines for each data record in this way:

ItemNo	Description	Price in €
EXPSA01	Southern Africa Explorer: 20-day tour from Cape Town to Victoria Falls excluding flight  <p>Safari: Travel through the Okavango Delta in dug-out canoes, climb sand dunes in Namibia, visit Etosha National Park, Victoria Falls.</p>	1500.00 
EXPCH01	Northern & Southern Chile: 23-day tour from Santiago to Punta Arenas including flight  <p>Travel from the Atacama desert in Northern Chile, the metropolis of Santiago, across the lakes and volcanoes region to the Strait of Magellan and the huge Torres del Paine National Park. Patagonia: Carretera Austral (Southern Highway) with spectacular natural scenery, visit the second largest lake in South America, marble caves.</p>	3500.00 

Proceed as follows to create table lines in the object dialog.

- First select the line type that you want to edit by clicking the relevant tab, e.g., Data Line.
- Now choose "Insert Table Line" in the context menu. Alternatively, you can select an existing Line definition and then click the "New (Append line definition)" button.
- In the "Choose a Table Line Definition" dialog that follows, you have the option of:
 - using an already existing layout as a template for the new line definition (very useful if the layout is similar).
 - starting the data selection wizard (very useful if you want to create several columns in one operation)

- or creating an empty line definition so that you can then add the columns by means of the object dialog.



4. You have now created the new line. Edit the columns as described in "Defining Column Contents ". Change the order of the line with the arrow button or with Drag & Drop.
5. You can then specify the appearance of the new line as a whole. Various properties are available for this including:
 - "Appearance Condition" with which you can specify when the line is to be printed. This is useful if you define multiple line layouts that are to be printed depending on certain values. The familiar dialog for defining logical expressions opens up here.

Example line 1: Subtotal not on last page

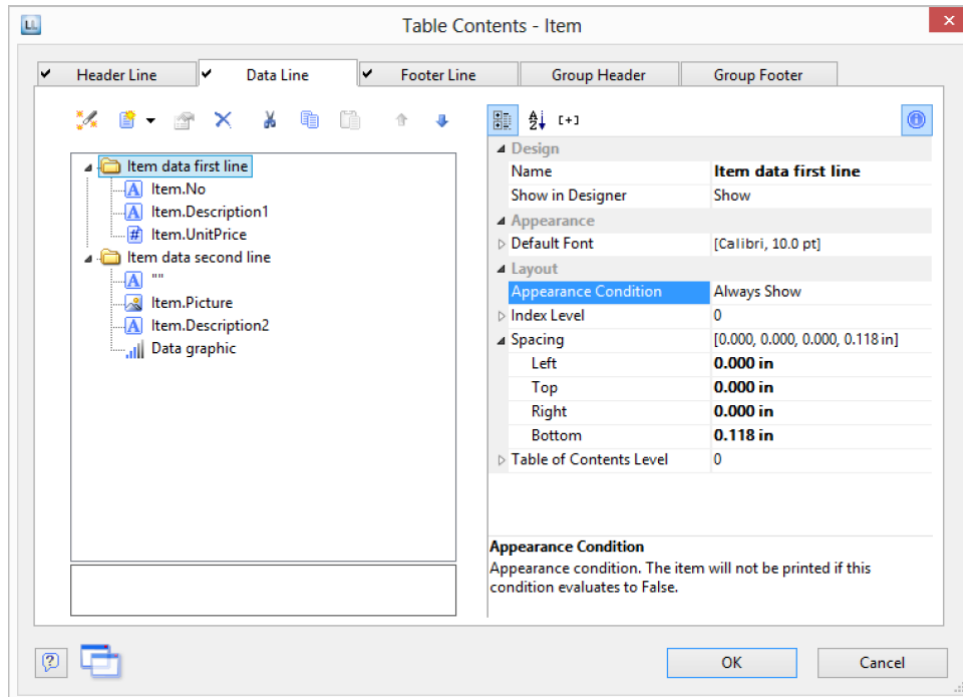
Appearance condition: not Lastpage()

Example line 2: Grand total only on last page

Appearance condition: Grand total only on last page

- Name of the line e.g., "data first line". This makes it easier to find the line in complex layouts.
- Display in Designer: with this property, you can hide the lines in the workspace – this is very useful if you have a lot of line definitions.

- Spacing (margins): here you define the top, bottom, right and left spacing of the line. The "top" or "bottom" values cause a corresponding space between the individual table rows. With the "left" and "right" spacing values, you can specify the margin in relation to the table object, i.e., you can indent lines or columns.
- The "Default Font" property sets the font for the entire table row. Newly inserted columns appear initially in this font.
- Outline Level (index level) of the bookmark in preview mode or for PDF export.



Define Column Contents

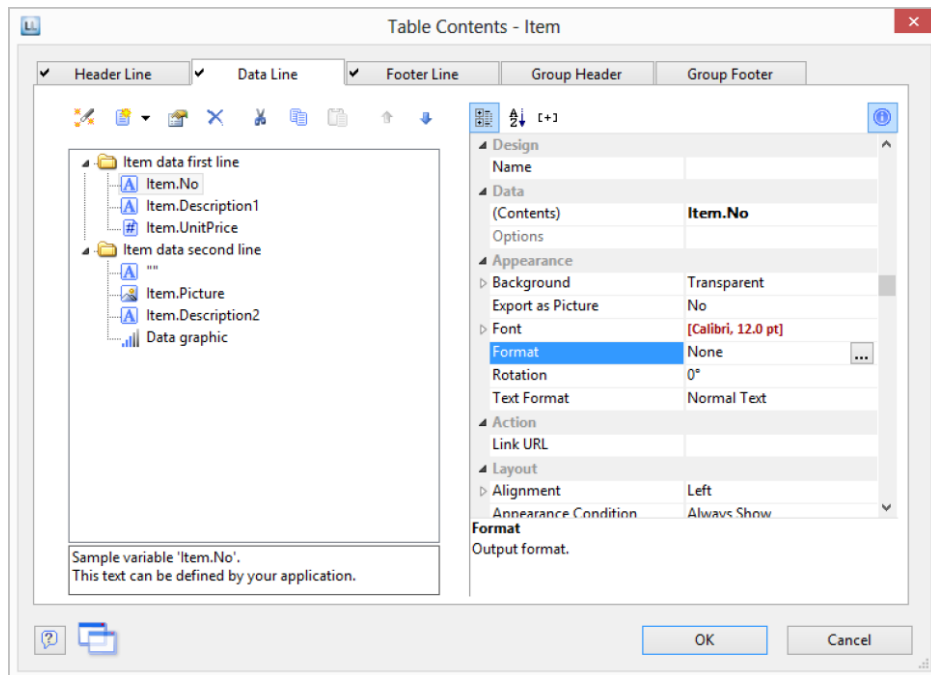
You can define as many columns as you want for each line. You must only make sure that these columns can be displayed within the width defined for the table.

The individual columns are shown in the object dialog as a tree structure. The buttons let you edit, delete, cut, copy, insert and move the selected columns. You can also move columns outside of the line definitions by using Drag and Drop.

Proceed as follows to create new columns in the object dialog:

1. First select the line in which you want to insert a new column.
2. Now choose "Append column" in the context menu. (ALT+INS). Alternatively, you can select an existing Column definition and then click the "New (Append column)" button or the small downwards arrow next to this button to specify the type.

3. Each column has a certain type. Various properties are available for the column type including: text, drawing, barcode, RTF text, chart, gauge, HTML text and OLE container. When selecting a field, this data type will be set automatically.
4. To define the contents, the familiar formula wizard will appear in which you can define the column contents in the form of expressions. You will find more information about this under "Variables, Fields and Expressions".
5. Now define the column's properties. Each column in a line can be edited and formatted separately. Select the column that you want in the tree structure in the object dialog.



To select multiple columns, hold down the ALT or the SHIFT key. Various properties are available including:

- Formatting e.g., as number or currency.
- Name of the column: this will help you to maintain an overview with complex expressions. If you change the name directly in the tree structure, your change will also be applied as "content" where appropriate.
- You can specify when this column is to be printed with an "appearance condition". This is useful if you define multiple columns that are to be printed depending on certain values. The familiar dialog for defining logical expressions opens up here.
- Rotation of the content in increments of 90°.
- Background, frame, font, vertical and horizontal alignment.
- A fixed height for the field irrespective of the content.

- The column width.

Define Group Lines

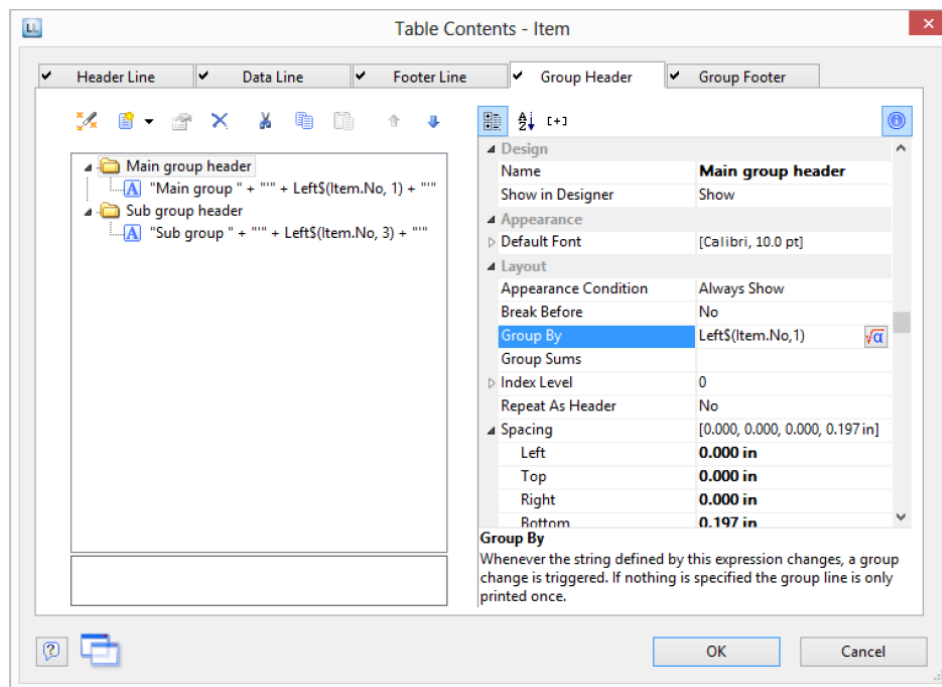
Group lines are a special type of line. They are used to group together the data lines that are to be printed.

You can use the "Group by" line property to specify how the data is to be grouped. This means that the line is printed whenever the result of the expression changes from one data line to the next. If you don't enter an expression, the line will not be printed and the property is highlighted in red in the property window.








A group header is printed accordingly before the data line is output, e.g., "Item group XYZ" group heading.

A group footer appears after the condition of the "Group By" property has changed, in other words, after outputting the data line. Group footers are suitable e.g., for totals of data within a group.

In the report container you can also output a group sum in the group header with the Precalc() function, e.g., Precalc(Sum(Item.UnitPrice, <GroupBy-String>)).



Example: Grouping by the first letter of the "Item.No" field.

Item no	Barcode	Description	Price in €
Main group 'E'			
Sub group 'EXP'			
EXPSA01		Southern Africa Explorer: 20-day tour from Cape Town to Victoria Falls excluding flight	1500.00
EXPCH01		Northern & Southern Chile: 23-day tour from Santiago to Punta Arenas including flight	3500.00
EXPMAL01		Maldives diving trip: 14 days, southern Male Atoll, Paradise Beach **** excluding flight	1800.00
EXPHK01		Hong Kong and Bali: 2 weeks, including flights, accommodation, excursions	1760.00
EXPYUC01		Yucatan, On the Trail of the Maya, 2-week round trip, excluding flight	1200.00
EXPLON01		London, sightseeing tour with boat trip on the Thames	60.00
6 Items in 'EXP' =			9820.00
Sub group 'EXC'			
EXCPAR01		Paris, visit to the Louvre including guided tour and admission	40.00
1 Items in 'EXC' =			40.00
7 Items in 'E' =			9860.00
7 Items in total			9860.00

1. Create a new line definition on the "Group header" tab. Enter the following expression for the content of the column:

"Main group: ' + Left\$ (Item.No,1)"

The result of the expression "Left\$ (Item.No,1)" is the first character of the "Item.No" variable. Whenever the first letter of "Item.No" changes, the text "Main group: " and the first letter in each case will be printed.

2. Enter "Left\$ (Item.No,1)" as the condition for the "Group By" property.

With each new first letter, a corresponding intermediate header will be printed in the list.

3. Multiple line layouts are possible with group headers as well. In this way, you can produce hierarchically structured intermediate headers. For example, you can define a line layout that is produced, as in the above example, based on the first letter of the "Item.No" variable. In addition, you define a second line layout that produces intermediate headers based on the first three characters of "Item.No".

4. Create a new line grouping for the sub-group header in the same way. Enter "Left\$ (Item.No,3)" as the condition for the "Group By" property.

Enter the "sub-group" for the content of the column: ' + Left\$ (Artikel.Nr,3)": When the first 3 letters change, a corresponding intermediate header will be printed in the list.

Along with the properties of the "normal" lines, you also have the following at your disposal:

- Group sums: You can set sum variables to 0 here once they have been output in order to produce group sums.
- Page break before outputting a group header or break after outputting a group footer.
- The option of always displaying the group header additionally at the start of the table if the group has been separated by a page break.

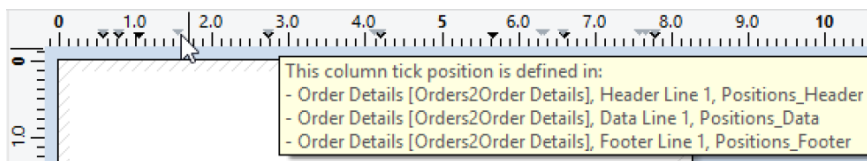
Table Layouts

There are various properties and functions which you can use to influence the layout of a table.

Align Columns

There are various ways of simplifying the use of table objects.

- If you hold down the CTRL key when reducing the size of a table, all columns will be automatically reduced in size by the same factor.
- The width of the columns adjusts automatically. You can adjust the width of a column manually by moving the separating line to the right or the left with the mouse. This changes all table columns, whose separators are within +/-2 mm from the mouse position. If you hold down the CTRL key, the action will only be carried out for the line on which the mouse is positioned. If the "Column width modification affects next column" option is enabled (File > Options > Workspace), you can alter the column width while making the next column smaller.
- If you move the first column separator to the right with the mouse, an empty column will be created in all line definitions.
- Use the function `TableWidth()` to define the column widths relatively. It returns the width of the table object. Example: With `TableWidth()*30/100` the Column takes 30% of the width.
- You can hide Line Types (header, data, footer, group lines) in the workspace. To do this, select the table object and use Visible Line Types in the context menu or the corresponding menu item View> Visible Line Types.
- To align (sub) tables easier with one another, additional tick marks can be shown on the ruler by means of an element property.



Fixed Size

The "Fixed Size" property lets you specify that the size of the table is not to be adjusted automatically when fewer data lines are printed than the available space in the table object.

This property is useful to ensure that footers are always printed at the bottom of the page, e.g., if the page number is output in the footer. If the property is disabled, the end of the table automatically moves upwards (and the footer therefore also).

Print Header Lines and Footer Lines Again


If the print of a table is continued on the following page, the header lines of this table and the outer table will be printed again. To suppress repeated printing of the header lines on the following page, use the `FirstHeaderThisTable()` function as an appearance condition.

This functionality is also available for footer lines, here you use the `LastFooterThisTable()` function as the appearance condition. This ensures that footer lines are only output on the last page of the table in the event that the print is continued on the following page due to lack of space.

Define the Size of the Table Variably

You can define the height and width of the report containers variably to avoid data being truncated when the page format is changed (e.g., from portrait to landscape).

To do this, select the report container in the "Report Structure" tool window and use the `LL.Device.Page` variables and the `UnitFromSCM()` function to specify the height and width.

Position	[0.591, 2.086, 7.790, 10.762 in]			
Left	UnitFromSCM(15000)	[0.591 in]		
Top	UnitFromSCM(52980)	[2.086 in]		
Width	LL.Device.Page.Size.cx - UnitFromSCM(27130)	[7.199 in]		
Height	LL.Device.Page.Size.cy - UnitFromSCM(76600)	[8.676 in]		
Position				
Position of the object.				

Force a New Page

With complex projects containing hierarchical tables, it is sometimes wise to create a page break before outputting a line of the "top" table.

Alternatively, you may want to have a new page if, after outputting a data line of the "top" table, there is not enough room for the following data lines of the sub-table.

You can handle both cases with the "Pagebreak Condition" property.

For example, in the case of a hierarchical table, in order to output each data line of the main table on a new page, select the main table in the "Report Structure" tool window and set the "Pagebreak Condition" property to True.

Product categories

1	Beverages
1.1	Chai
	Type of bearing 10 boxes x 20 bags
	Supplier Exotic Liquids
1.2	Chang
	Type of bearing 24 - 12 oz bottles
	Supplier Exotic Liquids
1.3	Chartreuse verte
	Type of bearing 750 cc per bottle
	Supplier Aux joyeux ecclésiastiques
1.4	Côte de Blaye
	Type of bearing 12 - 75 cl bottles
	Supplier Aux joyeux ecclésiastiques
1.5	Guaraná Fantástica
	Type of bearing 12 - 355 ml cans
	Supplier Refrescos Americanas LTDA
1.6	Ipoh Coffee
	Type of bearing 16 - 500 g tins
	Supplier Leka Trading
1.7	Lakkalikööri
	Type of bearing 500 ml
	Supplier Karkki Oy
1.8	Laughing Lumberjack Lager
	Type of bearing 24 - 12 oz bottles
	Supplier Bigfoot Breweries
1.9	Outback Lager
	Type of bearing 24 - 355 ml bottles
	Supplier Pavlova, Ltd.
1.10	Rhönbräu Klosterbier
	Type of bearing 24 - 0.5 l bottles
	Supplier Plutzer Lebensmittelgroßmärkte AG
2	Condiments

You can avoid this by means of the `RemainingTableSpace()` function. This function returns a value showing the available space. If you set the parameter to "True", the value will be returned as 1/1000 mm.

If you want to specify that a new page should be started before outputting the data line of the main table if the space remaining is less than 3 cm, enter the following formula for the "Pagebreak Condition" property:

`RemainingTableSpace(True)<30000`

Keep Lines Together

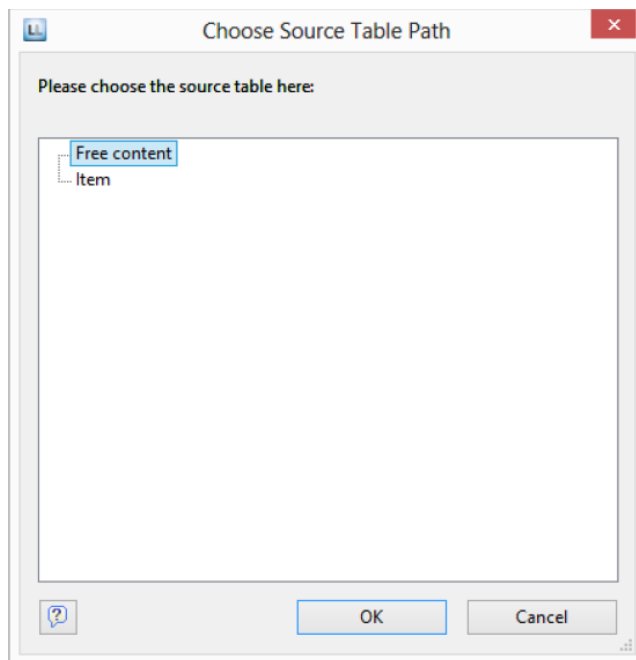
If the print of a table is continued on the following page due to lack of space, you can decide whether the lines are to be separated or kept together if possible.

This option is useful for multi-line data lines or for invoice footer lines containing totals. You can use this option with data lines, footer lines, group footers and group headers.

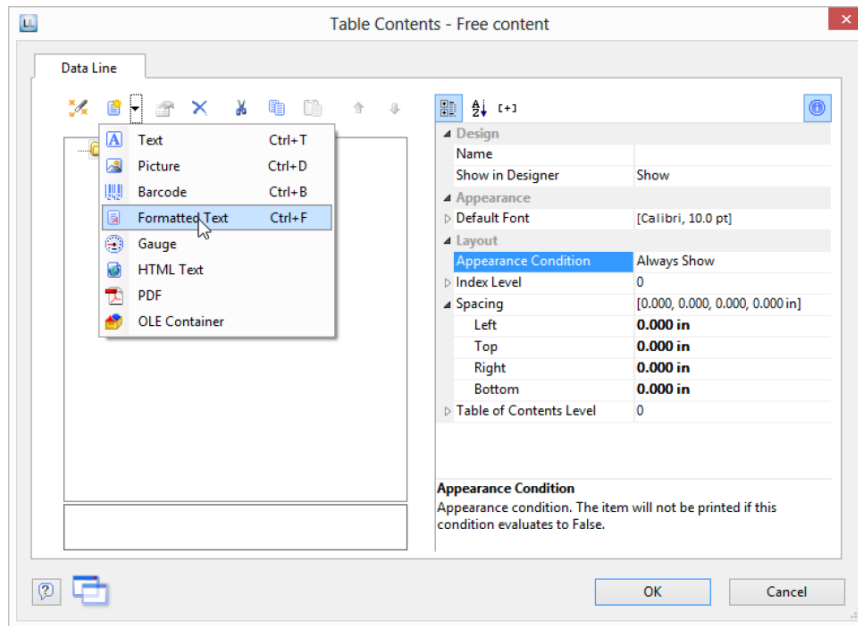
Output Free Content Before and After a Table

You can output free text before and after a table. To do this, use the RTF object and link the object to the project as free text via the report container.

1. To add a new element to the report container, select the "Append an element" or the "Append a sub-element" button in the "Report Structure" tool window.
2. A selection dialog will appear for the chosen object type. Choose the "Table" object type.
3. In the following dialog, select "Free content" as the data source.



4. Then add a column via the properties dialog for the table object. In our case, we want to create the covering letter as formatted text. Therefore, click the small arrow on the right of the button and choose the Formatted Text option.

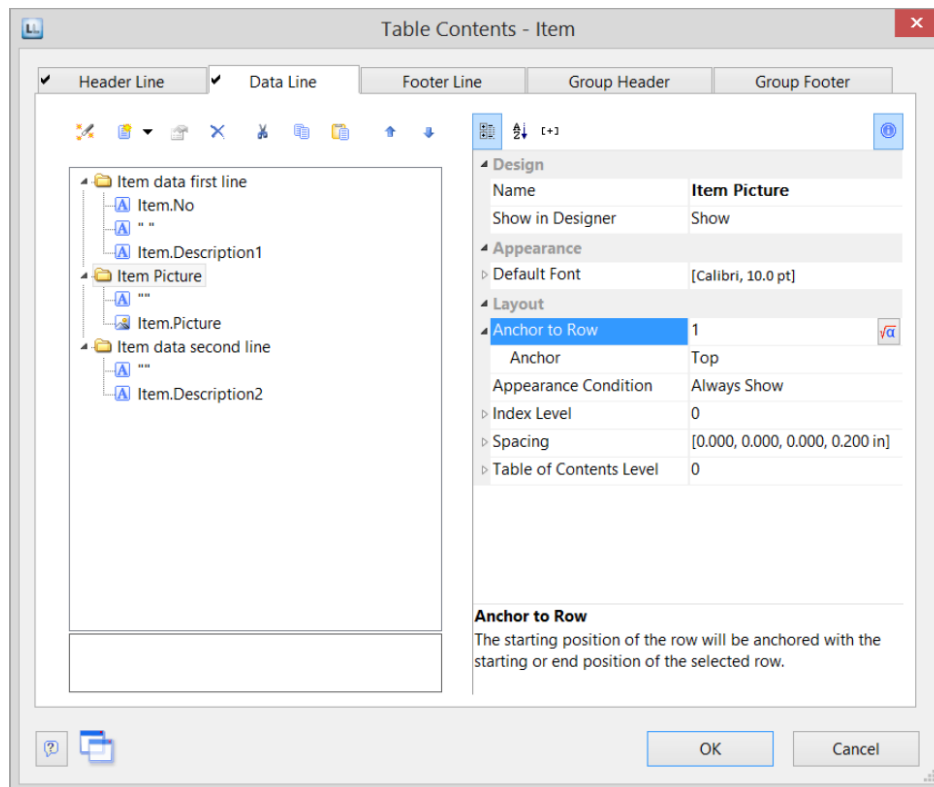


5. A dialog appears where you can type in the covering letter in the form of continuous text. You will find detailed instructions for working with formatted text in Chapter "Practice: Create a Mail Merge Project".
6. Please don't forget to remove the (column) frame for free content. The best way is to remove the frame via the "Default Frame" property in the element properties.
7. You may also have to change the layer condition as the covering letter will now be output on the first page.
8. If the General Terms and Conditions are also to be output at the end of the invoice, you must add another free content object to the container after the item table. Then you have several options:
 - a. Use the Formatted Text object here as well.
 - b. Use the PDF object and include the General Terms and Conditions in PDF format.
 - c. Use the LoadFile\$() function to load a linked file and enter the path of the file as the parameter as follows LoadFile\$ (ProjectPath\$()+\"gtc.txt").
 - d. For the issue on a reverse side, see "Reverse Side" in Chapter "Report Sections".

Anchored Lines (Overlapping Cells)



Let us assume that you want to output the contents of a column across two lines. You can achieve this by anchoring two lines to each other by the line property "Anchor to row" (Index (1-based) of the row; 0=no anchoring). So the beginning of the next line definition will be forced to the beginning or the end of another line definition. Hence the cells can overlap.

Note: This function is not supported by all export formats.



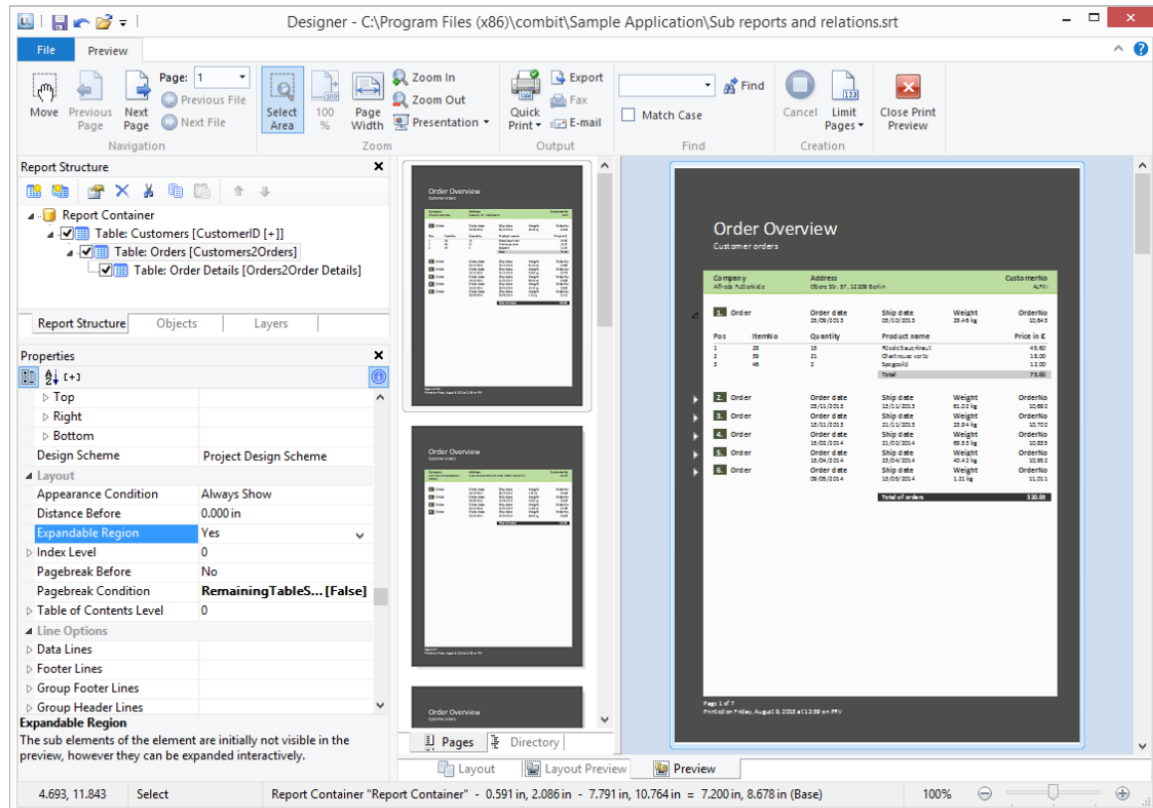
Let's assume that you want to create two lines next to an image column:

1. Define in the first line with 3 columns: "Item.No" (column width 1), empty content, a space (column width 1), "Item.Description" (column width 3).
2. Define in the second line with 2 columns: empty content, "Item.Picture" (both column width 1). in the line properties set "Anchor to Row" to "1" to anchor this line with the first line definition.
3. Define the third line also with 2 columns: empty content (column width 2), "Item.Description2" (column width 3).
4. Thus, the second line is printed in the same starting position as the first line and the cells may overlap:

ItemNo	Description
EXPSA01	 Southern Africa Explorer: 20-day tour from Cape Town to Victoria Falls excluding flight Safari: Travel through the Okavango Delta in dug-out canoes, climb sand dunes in Namibia, visit Etosha National Park, Victoria Falls.
EXPCH01	 Northern & Southern Chile: 23-day tour from Santiago to Punta Arenas including flight Travel from the Atacama desert in Northern Chile, the metropolis of Santiago, across the lakes and volcanoes region to the Strait of Magellan and the huge Torres del Paine National Park. Patagonia:

Expandable Region

When you activate the property "Expandable Region", the sub-elements of an element are not printed into the preview at first during printing, and a drop-down symbol will be displayed on the line itself. Clicking on the symbol expands the region for the corresponding line, providing a drill-down option without having to leave the current preview, and without having to design a separate project.



Creating Charts

This object is used to evaluate and display data graphically in diagrams. This gives you an overview of your data and lets you recognize anomalies immediately.

For example, you can analyze sales trends, illustrate percentage shares and show data in multiple dimensions. You have a wide range of different types of diagrams at your disposal:

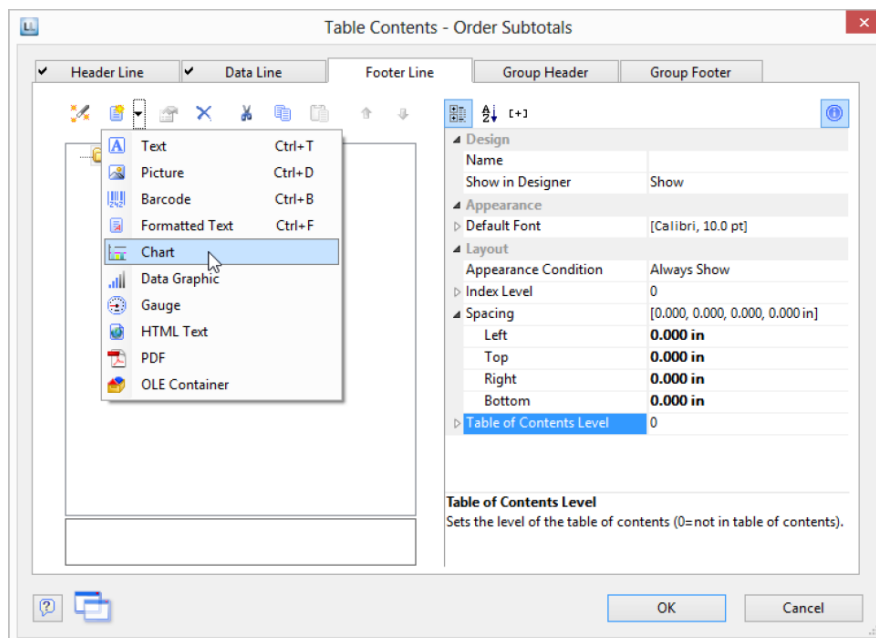
- Circle/Donut chart
- Bar/Ribbon chart (also displayed as cylinders, pyramids, cones, octahedrons)
 - Simple (e.g., sales per customer)
 - Multi-row (e.g., sales to various customers over the years, scaled by customer)
 - Clustered (e.g., sales to various customers over the years, grouped by year)

- Stacked (e.g., percentage of sales to various customers stacked over the years)
- 100% stacked (e.g., respective sales percentages for various customers over the years)
- Line/Symbol: Simple, Multi-row, Stacked, 100% stacked
- Area: Simple, Stacked, 100% Stacked
- Bubbles/Dots: Distributed, Sorted (Displayed as circle, drop or picture file)
- Funnel/Pipeline
- Map/Shapefile

Insert a Chart Object

There are various ways of outputting chart objects:

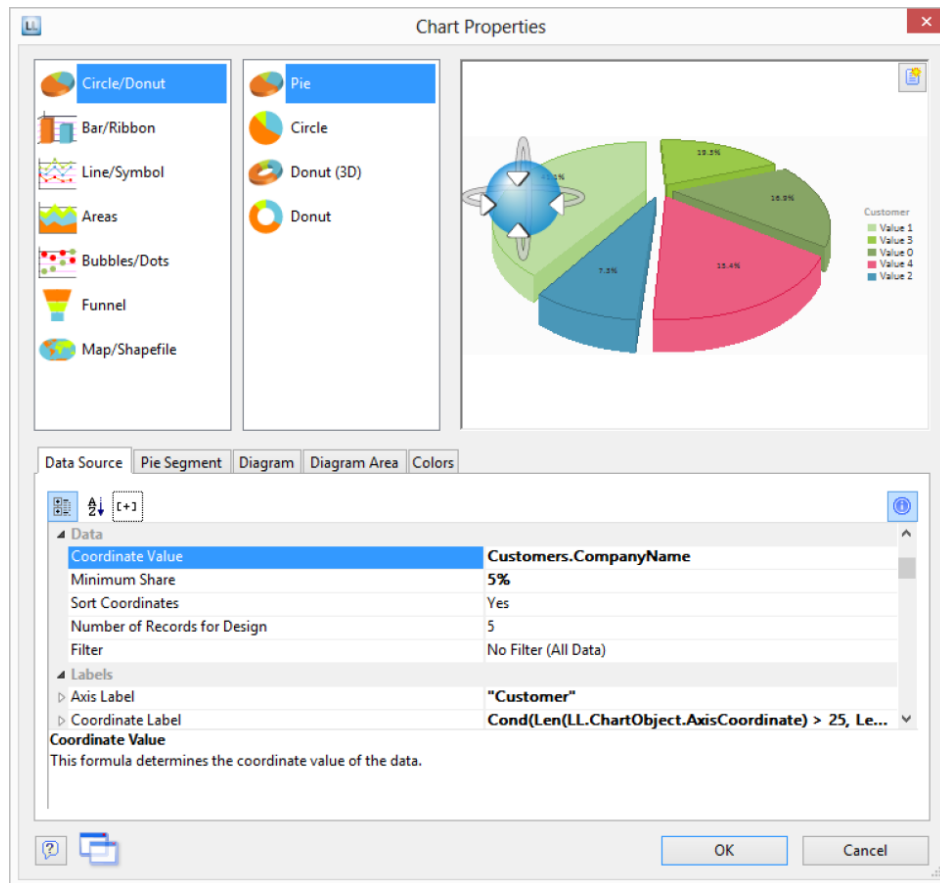
1. A chart as an element in the report container. Add the object via the "Report Structure" tool window. If you have not yet added a report container to the workspace, select Insert > Report Container (Objects > Insert > Report Container) and pull the object to the right size in the workspace while holding down the left mouse button. A selection dialog will appear for the chosen element type. Choose the "Chart" element type.
2. You can output charts and gauges in a table cell. To do this, select the relevant entry by means of the context menu in the object dialog for the table. If you want to output the aggregated data, a good way of doing this is to use a footer line.



3. In the following dialog, now select the data source. All available tables are shown hierarchically, in other words, under the tables you will find the relational tables in each case.

To evaluate sales per country, for example, choose the "Customers > Orders > Order Details" table in the Sample Application so that you have all three tables at your disposal. The "Customers" table contains the country, the "Orders" table the order date and the "Order_Details" table the sales.

4. The chart object dialog is displayed. In the drop down lists in the top left you can select the base type and the corresponding sub type.
5. The axes are defined in the tabs (Category Axis, Series Axis, Value Axis, Data Source, Segment, Funnel Segment, Shapefile Selection). You can click directly into the live preview (e.g., onto the title or axis label) to quickly jump to the corresponding property.



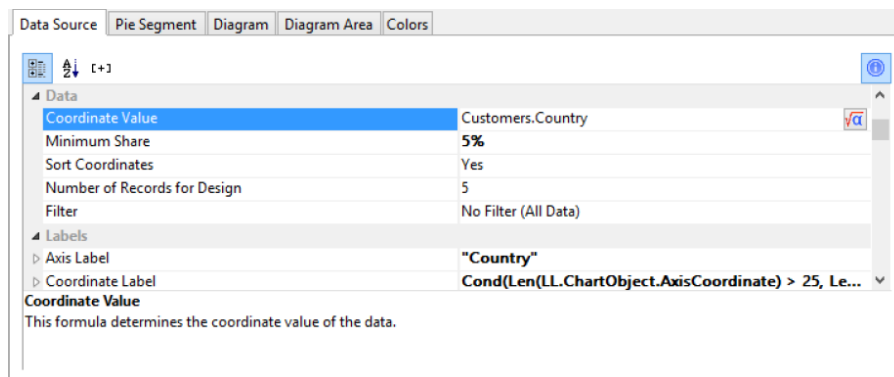
6. On the "Diagram" tab, select the general diagram options (e.g., perspective, color mode).
7. On the "Object" tab, select the general layout options for the entire chart object (e.g., Title, Background).
8. On the "Colors" tab, you can specify the colors for the display:

- **Design Scheme:** Specifies the colors and color sequences for the data rows that are not specified by the "Fixed Colors". You can select a predefined color set from the drop down list. These colors can still be adjusted in the properties.
- **Fixed Colors:** You can assign fixed colors to particular axis values. If you click the "New" button, you can create a new assignment e.g., Customers.Country = "Germany".

Pie, Donut, or Circle Chart

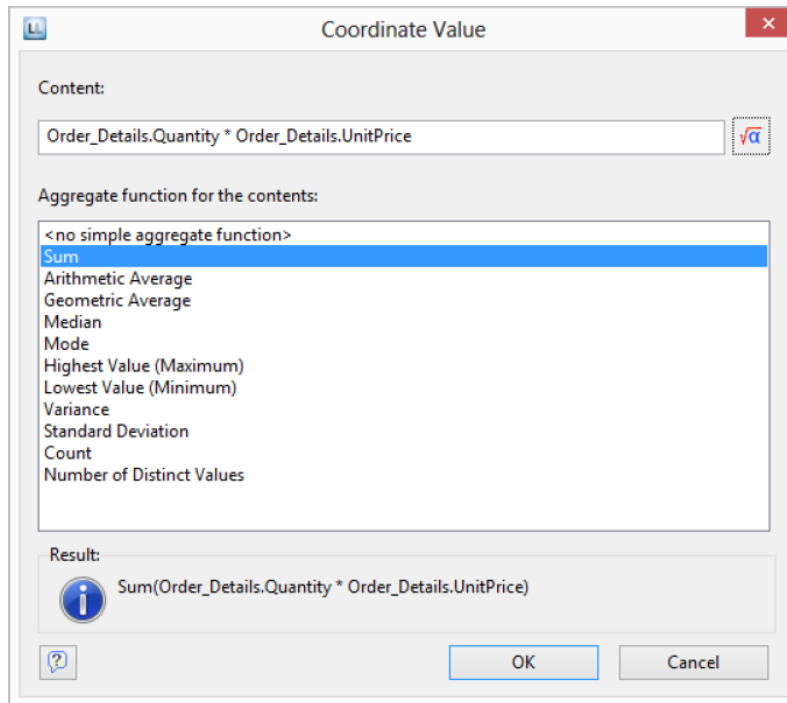
Let's assume that you want to evaluate the sales per country. The pie chart is the right choice for this. It lets you read off the percentages immediately. Proceed as follows in the Sample Application:

1. As the data source, select the "Customers > Orders > Order_Details" table.
2. For the diagram type, click Circle/Donut > Pie.
3. You should first specify the coordinate values for the data source, i.e., the values that define the individual segments, e.g., Customers.Country.

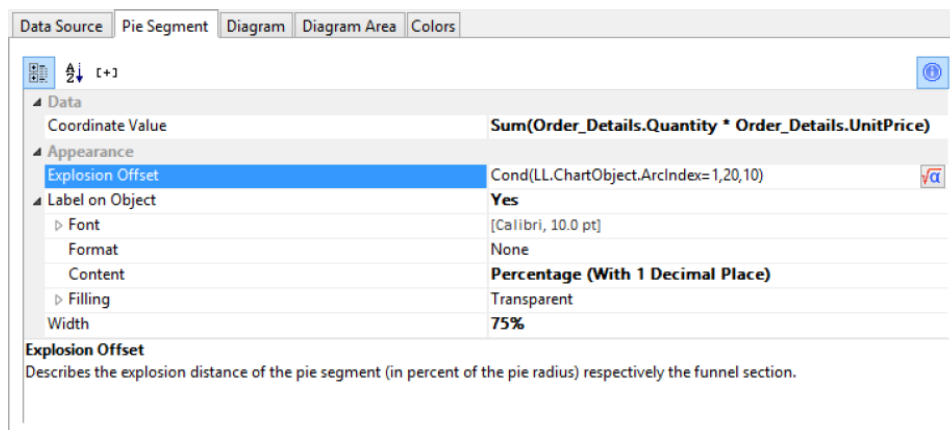


4. Switch to the "Segment" tab to specify the coordinate values for size of the segment, i.e., the sales. Double-click the "Coordinate Value" property.

Now select the aggregate function that you want for the contents in the "Coordinate Value" dialog that follows. You want to create a sales evaluation so choose the "Sum" function.



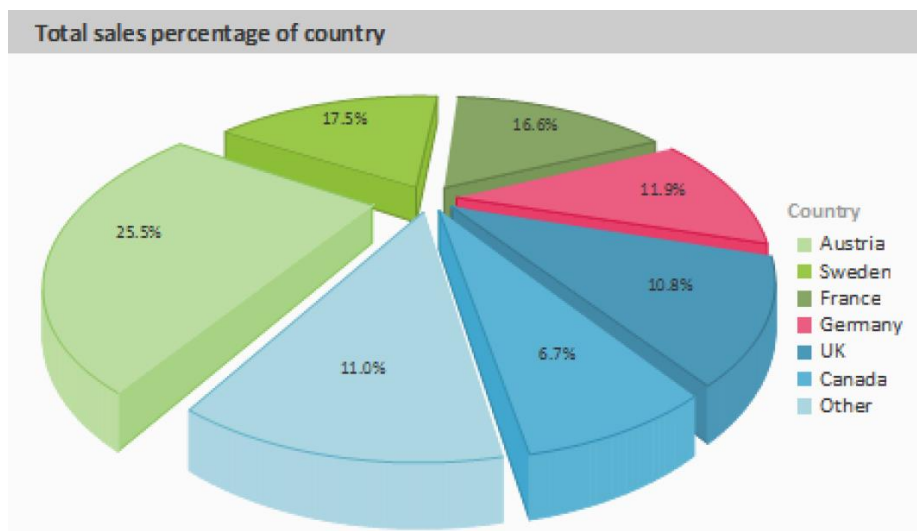
5. In the upper part of the dialog, you can specify the contents by clicking the formula button to start the formula wizard. In the Sample Application, the sales per order value is not supplied directly as a field so you must calculate it using the "Order_Details.Quantity * Order_Details.UnitPrice" formula.
6. The "Label on Object" property is already set to "Yes" so that a label with the percentage value is shown on the segments. Define the value as "percent" without decimal places by means of the "Format" property.



7. The "Explosion Offset" property lets you specify a distance to the center for the segment. With the "ArcIndex" chart field, which numbers the segments according to their size, you can even display the largest segment with a greater offset. Example:

Cond (LL.ChartObject.ArcIndex=1,20,10)

8. On the "Diagram" tab, select the general diagram options. Various properties are available including:
 - The degree of perspective, e.g., strong.
 - The color mode, e.g., single color
9. On the "Diagram Area" tab, select the general layout options for the entire chart object. Various properties are available for this including:
 - Title
 - Background including filling, border and shadow, e.g., border = transparent
10. On the "Colors" tab, you can specify the colors for the display:
 - Design Scheme: Specifies the colors and color sequences for the data rows that are not specified by the "Fixed Colors". You can select a predefined color set from the drop down list. These colors can still be adjusted in the properties.
 - Fixed Colors: You can assign fixed colors to particular axis values. If you click the "New" button, you can create a new assignment e.g., Customers.Country = "Germany".
11. The pie chart now looks like this:



Multi-Row Bar Chart

Let's assume that you want to evaluate the sales for various countries over the years, scaled by country. A multi row bar chart is perfect for this. You get a diagram in which you can see the turnover achieved in the respective country for each quarter. Proceed as follows in the Sample Application:

1. As the data source, select the "Customers > Orders > Order_Details" table.
2. Choose Bar/Ribbon > Multi-Row (3D) as the diagram type.

- First specify the coordinate value for the category axis, i.e., the value of the x-axis. Select the "Customers.Country" field via the formula wizard.

Category Axis (x) Series Axis (y) Value Axis (z) Diagram Diagram Area Colors

Use formula to determine the values

2 [+]

Data

Coordinate Value	Customers.Country
Sort Coordinates	Yes
Number of Records for Design	5
Filter	No Filter (All Data)
Round Start and End Values	Yes

Labels

Axis Label	"Customer"
Coordinate Label	Cond(Len(LL.ChartObject.AxisCoordinate) > 25, Le...

Data

- Now specify the coordinate value for the series axis, i.e., the value of the y-axis. In the Sample Application, the order year is not supplied directly as a field so you must calculate it using the "Year\$(Orders.OrderDate)" formula.

If you want to evaluate the data by year, simply enter "Year\$(Orders.OrderDate)" as the coordinate value. Type "Year" as the text for the "Axis Label".

Category Axis (x) Series Axis (y) Value Axis (z) Diagram Diagram Area Colors

Use formula to determine the values

2 [+]

Data

Coordinate Value	Year\$(Orders.OrderDate)
Sort Coordinates	Yes
Number of Records for Design	5
Filter	No Filter (All Data)
Round Start and End Values	Yes

Labels

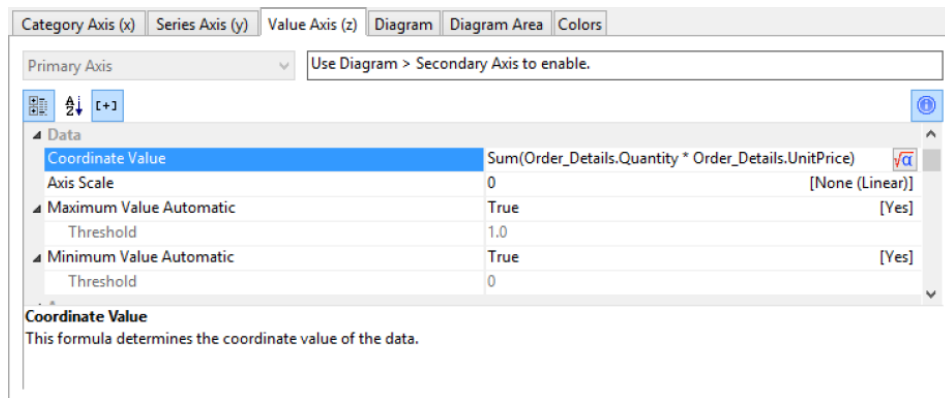
Axis Label	Year
Coordinate Label	...

Data

- Now specify the coordinate values for the value axis (z-axis), i.e., the height of the bars representing the turnover. Double-click the "Coordinate Value" property.

Now select the aggregate function that you want for the contents in the "Coordinate Value" dialog that follows. You want to create a sales evaluation so choose the "Sum" function.

- In the upper part of the dialog, you can specify the contents by clicking the formula button to invoke the formula wizard. In the Sample Application, the sales per order value is not supplied directly as a field so you must calculate it using the "Order_Details.Quantity * Order_Details.UnitPrice" formula.

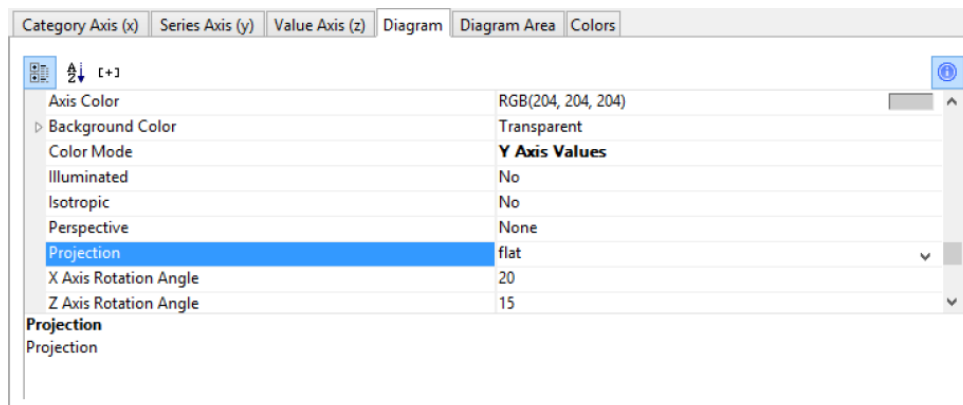


7. Various other properties are available on this tab including the following layout options:

- Maximum Value Automatic: You can limit the height of the displayed area, e.g., to cater for "anomalies".
- Presentation: The data can be presented in various ways: cylinders, bars, pyramids, ribbons, octahedrons, cones
- Thickness of the bars
- Zebra mode for the background

8. On the "Diagram" tab, select the general diagram options. Various properties are available including:

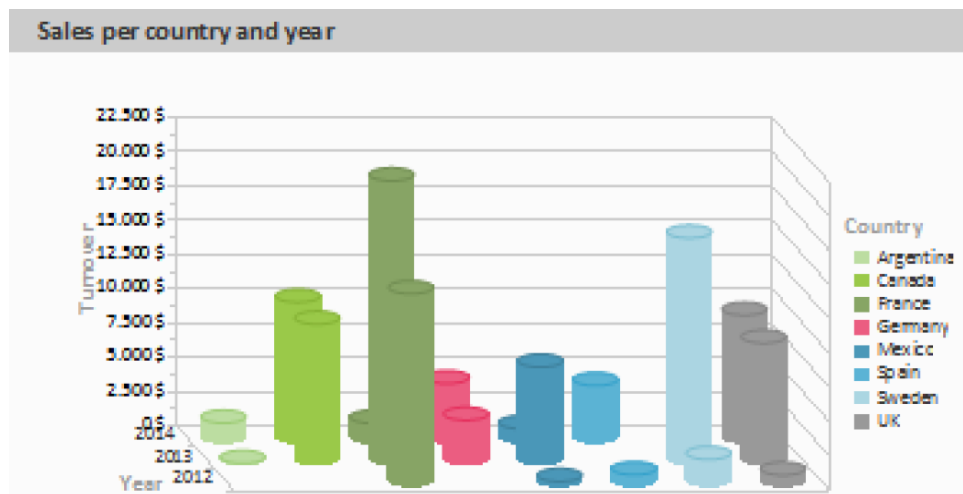
- The Projection, e.g., flat.
- Color Mode: Specifies which axis determines the color, e.g., the y-axis values.



9. On the "Diagram Area" tab, select the general layout options for the entire diagram. Various properties are available for this including:

- Title
- Background including filling, border and shadow, e.g., border = transparent

10. The multi-row bar chart now looks like this:



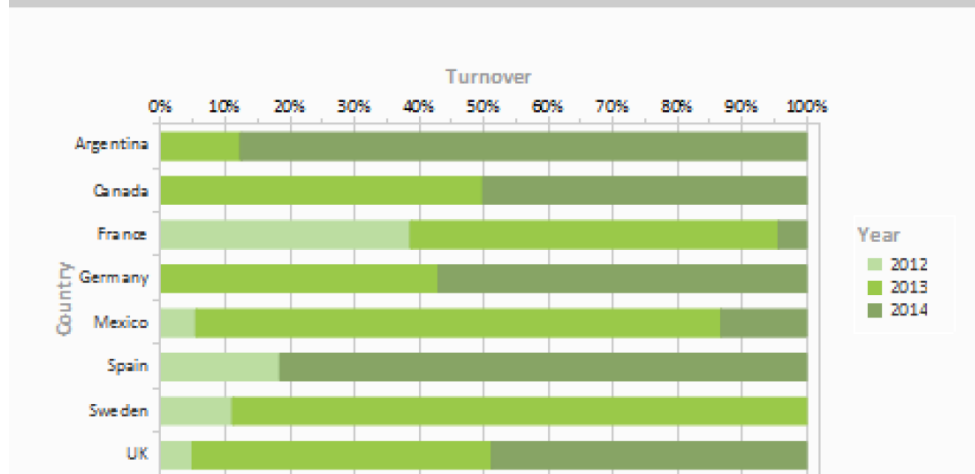
100% Stacked Bar Chart

The pie chart in the first example gave you an overview of the percentages for the entire evaluation period. But in order to be able to recognize trends, it would be good to see how the percentages have changed during the course of the evaluation period. The 100% stacked bar chart can be used for precisely these types of applications. The respective percentage of the length of the bars relates directly to the turnover percentage of the respective country.

Proceed as follows in the Sample Application:

1. As the data source, select the "Customers > Orders > Order_Details" table.
2. Choose Bar/Ribbon > 100% stacked as the diagram type.
3. First specify the coordinate values for the category axis, i.e., the values of the x-axis. Select the "Customers.Country" field via the formula wizard.
4. Now specify the coordinate values for the series axis, i.e., the values of the y-axis. In the Sample Application, the order year is not supplied directly as a field so you must calculate it using the "Year\$(Orders.OrderDate)" formula.
5. Specify the coordinate values for the value axis (z-axis), i.e., calculate the turnover with "Sum(Order_Details.Quantity * Order_Details.UnitPrice)".
6. On the "Diagram" tab, choose "Left to Right" for the "Alignment" to create a horizontal diagram.
7. The multi-row bar chart now looks like this:

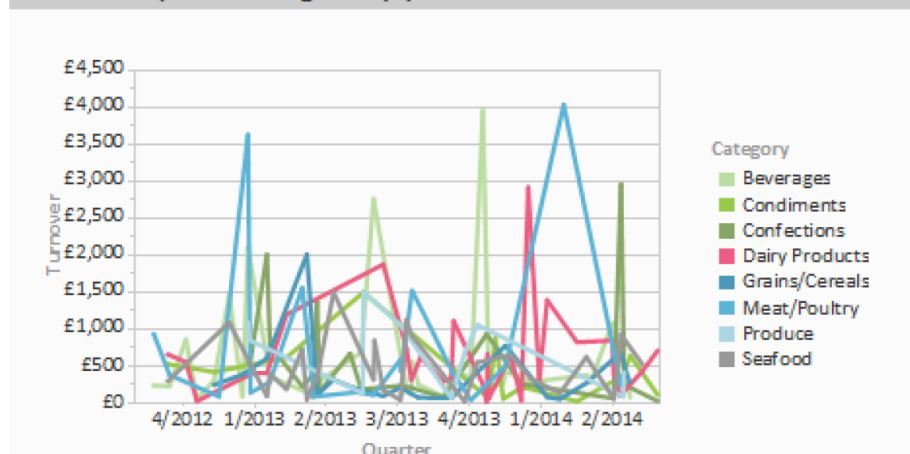
Sales per country and year



Multi-Row Line Chart

A line diagram offers an alternative to a multi-row bar chart. You can read off the values faster here.

Sales development of categories by quarter



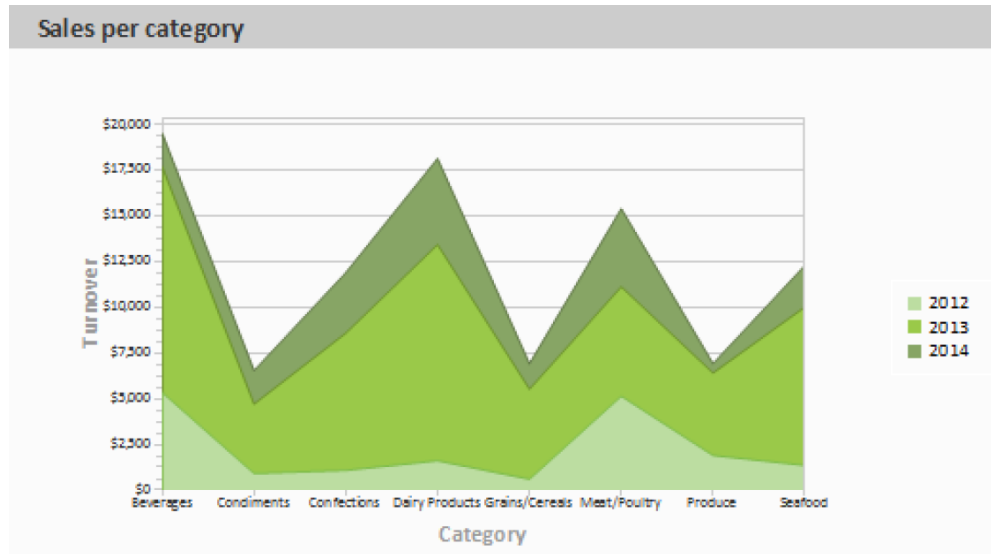
Proceed as follows in the Sample Application:

1. As the data source, select the "Customers > Orders > Order_Details" table.
2. Choose Line/Symbol > Multi-Row as the diagram type.
3. First specify the coordinate value for the category axis. Select the "Orders.OrderDate" field via the formula wizard.
4. Select the property "Coordinate Label > Format" and select "%q/%y" in the Date-section (user-defined).
5. Now specify the coordinate value for the series axis. Select the "CategoryName" field via the formula wizard.

- Specify the coordinate values for the value axis and calculate the turnover with the "Sum(Order_Details.Quantity * Order_Details.UnitPrice)" formula.

Stacked Area Chart

The stacked area chart is available as an alternative to the multi row line chart. This chart allows you to compare statistical relationships more swiftly as the areas between the lines are colored in.



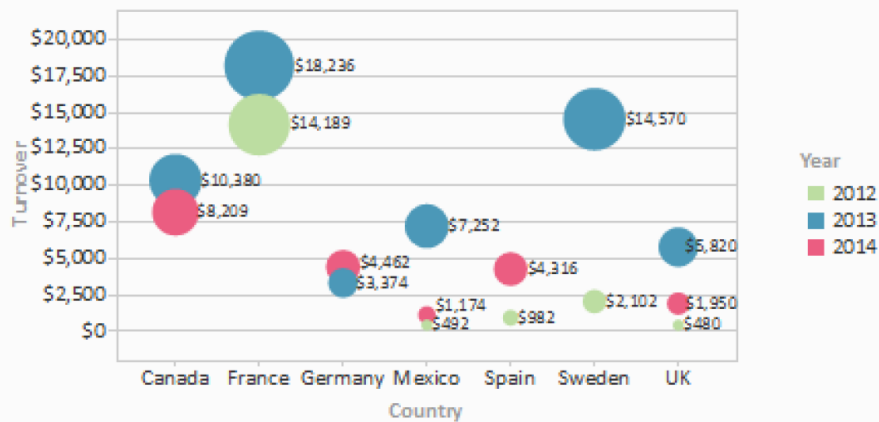
Proceed as follows in the Sample Application:

- Select the "Customers > Orders > Order Details" table as the data source.
- Select Area > Stacked as the chart type
- First specify the coordinate value for the category axis. Select the "CategoryName" field via the formula wizard.
- Specify the coordinate values for the series axis. In the Sample Application, the order year is not supplied directly as a field, so you must calculate it using the "Year\$(Orders.OrderDate)" formula.
- Specify the coordinate values for the value axis (z-axis), i.e., calculate the turnover with the "Sum(Order_Details.Quantity * Order_Details.UnitPrice)" formula.

Distributed Bubble Chart

Bubble charts allow for a four-dimensional representation of statistics in that, along with the position on the y and x axes, the color and the size can be defined by statistical information. Diverse options are available regarding how you would like the bubbles to be displayed.

Sales per year and country



Proceed as follows in the Sample Application:

1. Select the "Customers > Orders > Order Details" table as the data source.
2. Select Bubbles/Dots > Distributed as the chart type
3. First specify the coordinate value for the category axis. Select the "Customers.Country" field via the formula wizard.
4. Specify the coordinate values for the series axis. In the Sample Application, the order year is not supplied directly as a field so you must calculate it using the "Year\$(Orders.OrderDate" formula.
5. Specify the coordinate value for the value axis and the value for the Bubble Size and calculate for both the turnover with the "Sum(Order_Details.Quantity * Order_Details.UnitPrice)" formula.
6. Under this tab you will also find the options for how you would like the bubbles to appear.

Funnel

With a funnel or a pipeline, you can e.g., display your sales processes in the various phases. There are a variety of options for the way the data is presented.

To do so, proceed as follows:

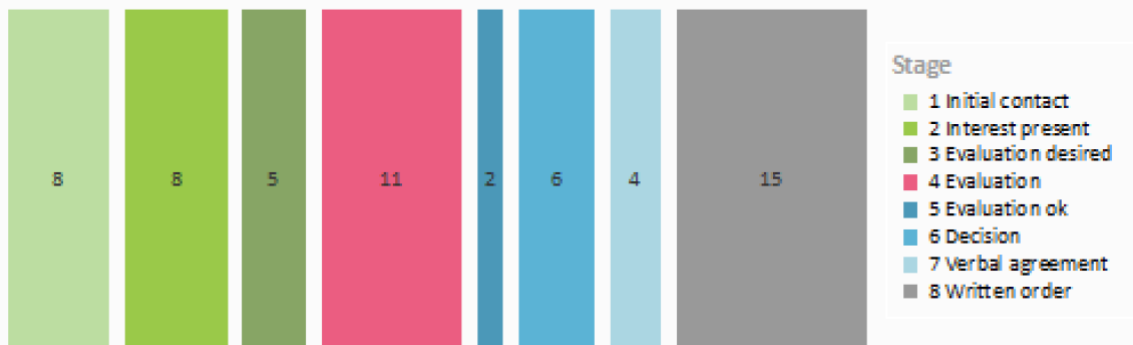
1. Select the appropriate data source.
2. As the diagram type, select Funnel > Vertical Funnel.
3. First of all, define the coordinate value of the data source, i.e., the value that will define the individual funnel segments (the sales phase).
4. Switch to the tab "Funnel Segment" to define the coordinate value for the size of the funnel segment (number of sales opportunities). Double-click on the "Coordinate Value" property.

Now, in the subsequent dialog "Coordinate Value", select the desired aggregating function "Count" for the content.

5. For the labeling of the funnel segments with percentage values, the option "Label on Object" has already been set to "Yes". Then, via the property "Format", define the value as "Percentage (Without Decimal Places)" or as "Absolute Value".
6. You can enter an offset for the funnel values via the property "Explosion Offset".
7. In the "Chart" tab, select the general diagram options. The following properties are available (among others):
 - Relative Width of Funnel End/Start.
 - Color Mode, e.g., monochrome
8. In the "Chart" tab, select the general layout options of the entire object. The following properties are available (among others):
 - Title
 - Background incl. filling, border and shadow, e.g., border = transparent
9. In the "Colors" tab, you can configure the color options.



Stages of all open offers

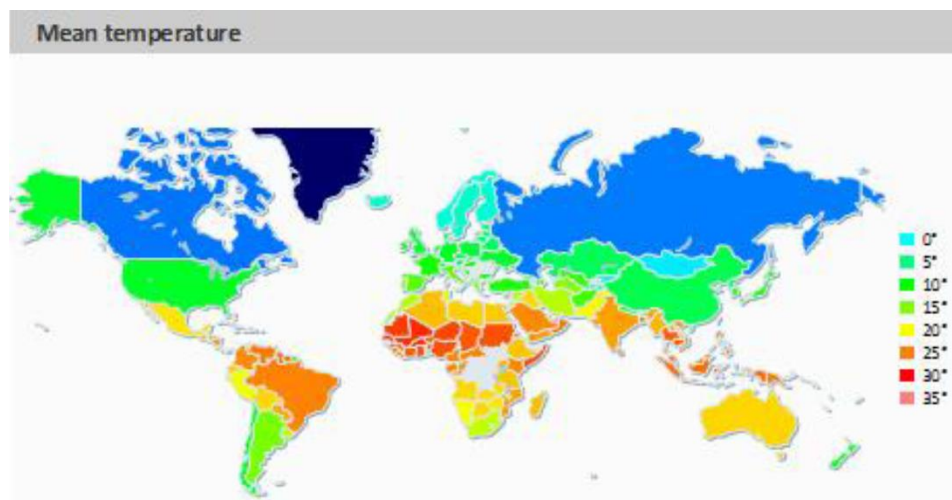


Map/Shapefile

Shapefiles enable a diverse range of visualization options via a standardized vector description format. Via corresponding templates, a wide range of maps, seating charts or floor plans can be generated. The Shapefile determines the shape, and an associated attribute database enables the shapes to be referenced to the properties (e.g., country names).

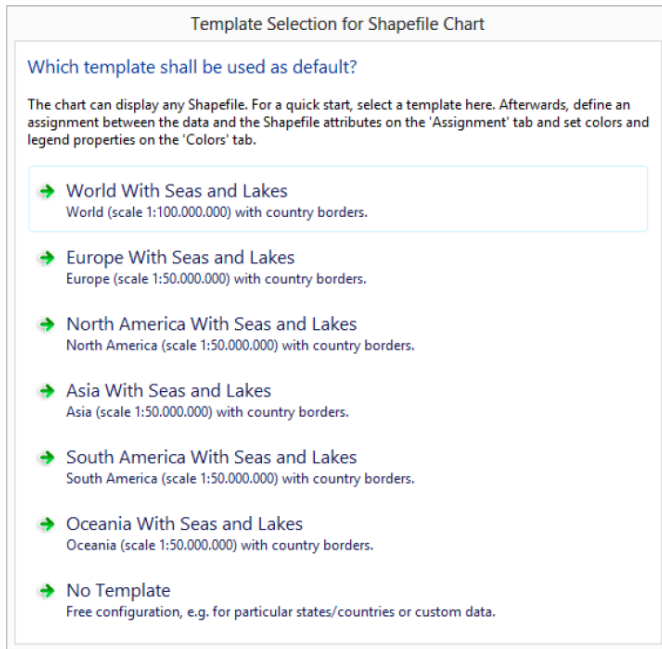
Tip: The availability of this chart depends on the application.

Example: A visualization of the temperature distribution of the earth is to be generated.

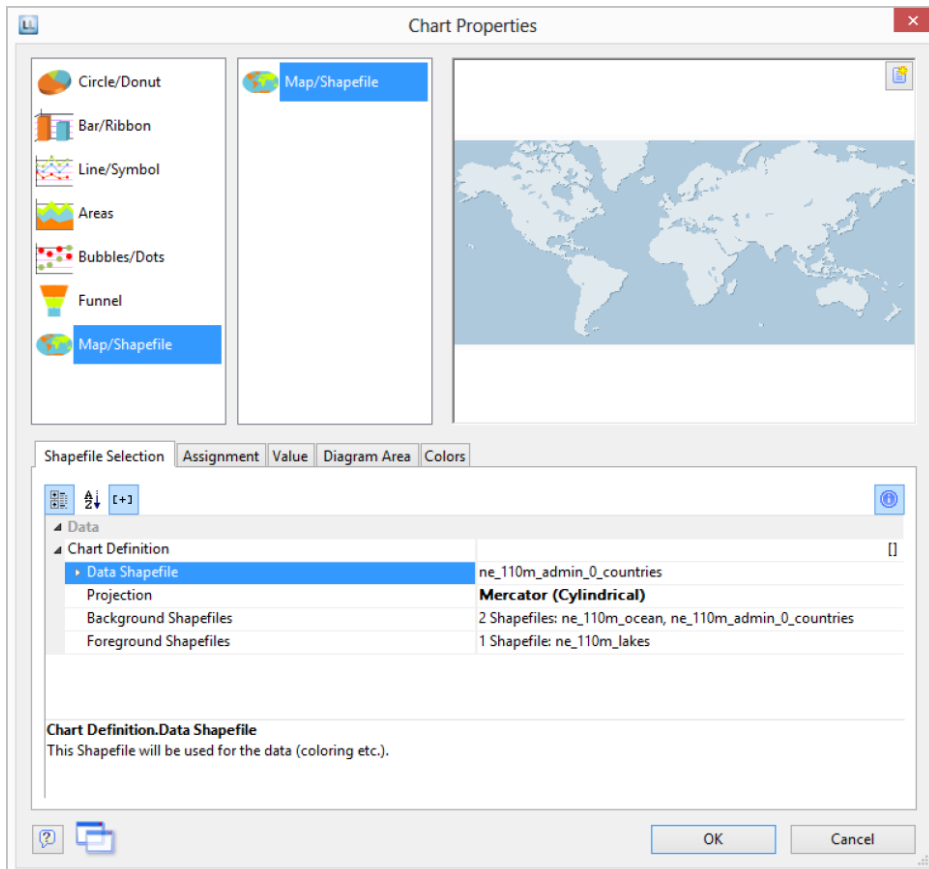


To do so, proceed as follows:

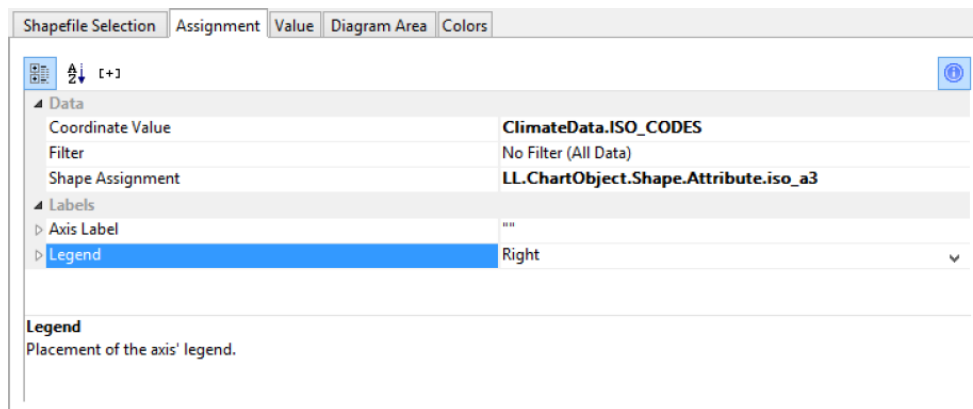
1. Select the table "ClimateData" as the data source.
2. As the diagram type, select Map/Shapefile. At this point, a selection dialog appears for the Shapefile templates provided with the software. Select "World With Seas and Lakes".



- You will now see the preconfigured data Shapefile in the tab "Shapefile Selection". In addition to the data itself, you can also select foreground and background Shapefiles in order to e.g., display the oceans in the background and the rivers and lakes in the foreground.

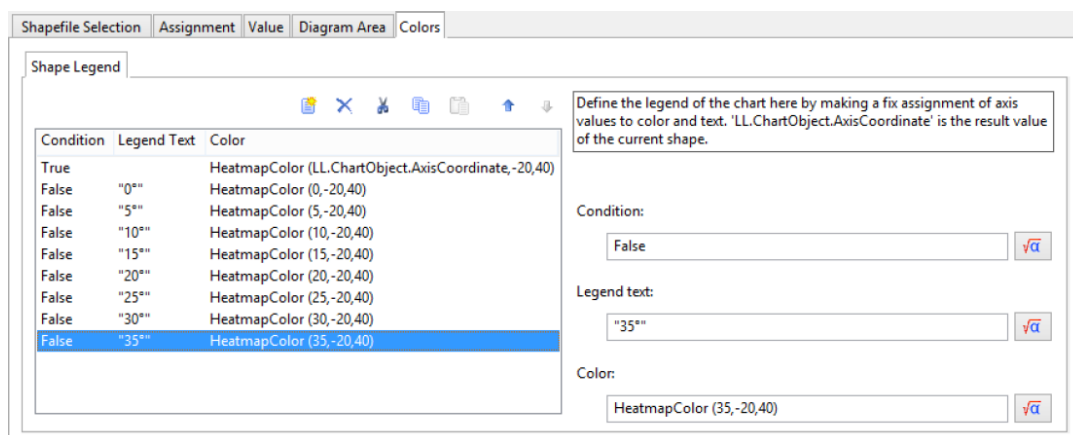


- Click on the "Assignment" tab in order to link the data with the shapes.



Link the coordinate value "ISO_CODES" from the data with the attribute "iso_a3" from the Shapefile. By doing this, the data that is related to e.g., "USA" is linked to the outline of "USA"; the temperature from "United States of America" is linked to "United States of America", and so on.

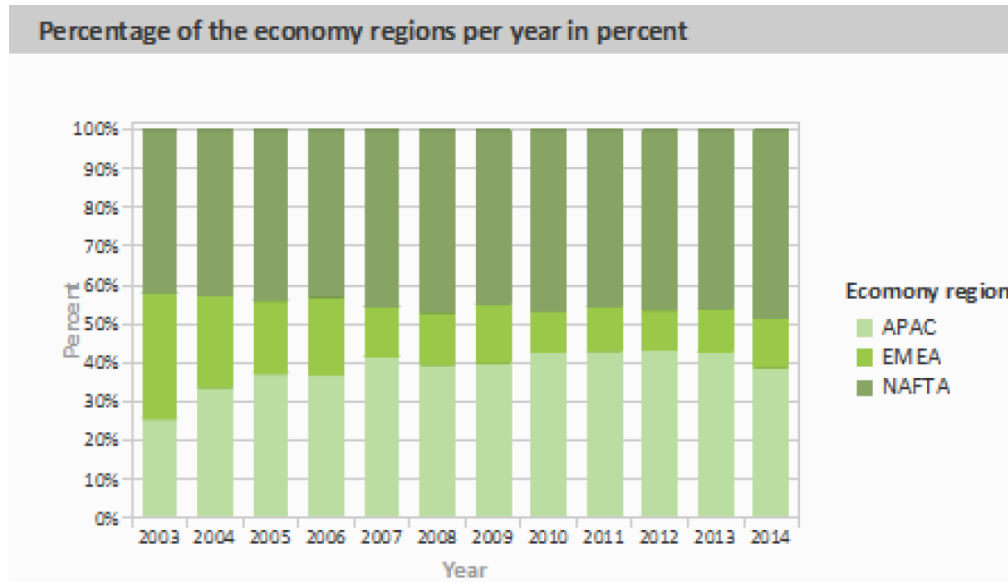
- Go to the tab "Value" and select the mean temperature as the "Value", i.e., the field "ClimateData.Tmean".
- Go to the tab "Colors" to define the legend. As the first entry, define the color via the function `HeatmapColor(LL.ChartObject.AxisCoordinate,-20,40)` and set the condition to "True". The value will then be used for the actual color fill, and you will obtain a continuous fill color.
- For the other discrete legend values, enter the corresponding functions, e.g., `HeatmapColor(5,-20,40)` with the legend text "5°" and set their condition to "False". This means that the value will only be used for the legend.



Use Series to Determine the Values

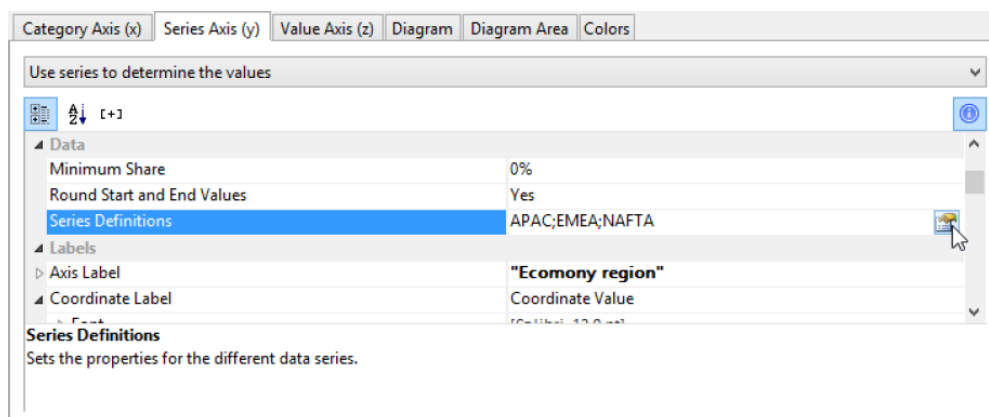
With three-axis diagrams, you can also determine the values of the series axis (y-axis) by means of rows. This means that you define the different rows (e.g., measured value/target value/actual value) with a single data record and can show them parallel e.g., in a bar chart.

As an example, we will create a diagram which shows the currency percentages of the 3 economic areas. Data for APAC, EMEA and NAFTA is supplied as rows.

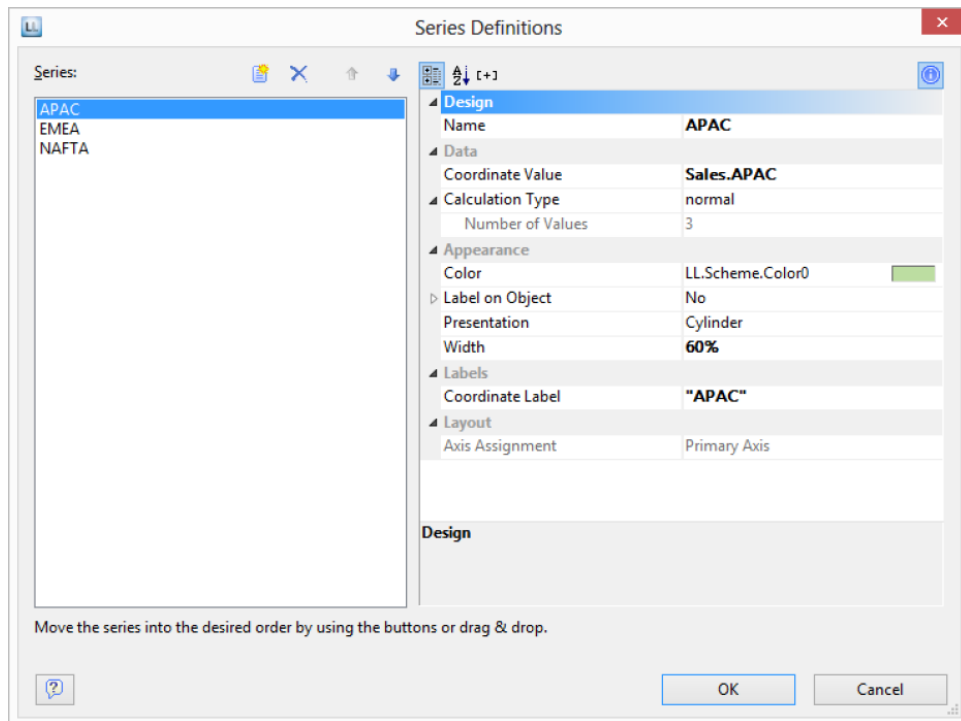


Proceed as follows in the Sample Application:

1. Select the "Sales" table as the data source.
2. Choose Bar/Ribbon > 100% stacked as the diagram type.
3. First specify the coordinate values for the category axis, i.e., the values of the x-axis. Select the "Sales.Year" field with the formula wizard. Remove the 2 decimal places using the "Str\$(Sales.Year,0,0)" formula.
4. Now specify the coordinate values for the series axis, i.e., the values of the y-axis. Select the "Use rows as data source" entry from the drop-down list above the properties.



This option changes the properties of the series axis and displays a dialog for defining the rows when you click the "Row Definitions" property. Create the individual rows choosing "Sales.APAC", "Sales.EMEA" or "Sales.NAFTA" in each case as the coordinate value.



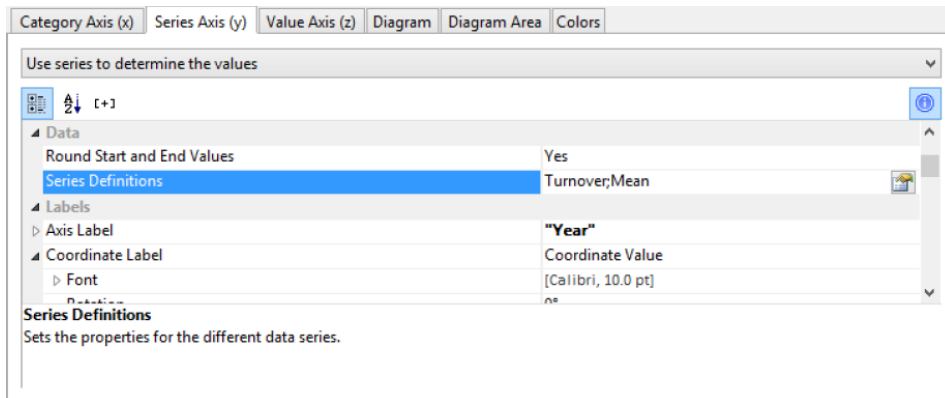
Mixing Chart Types

You can mix bar charts with line charts. In addition to the ability to display another data series as a line at the same time as the bar chart, you may also make use of the calculation options such as moving averages and aggregation options. This will allow you to see total turnover, trends in the data, or outliers (both upwards and downwards) at a glance.

Example: Combining a straight line mean with a bar chart (turnover for each country)

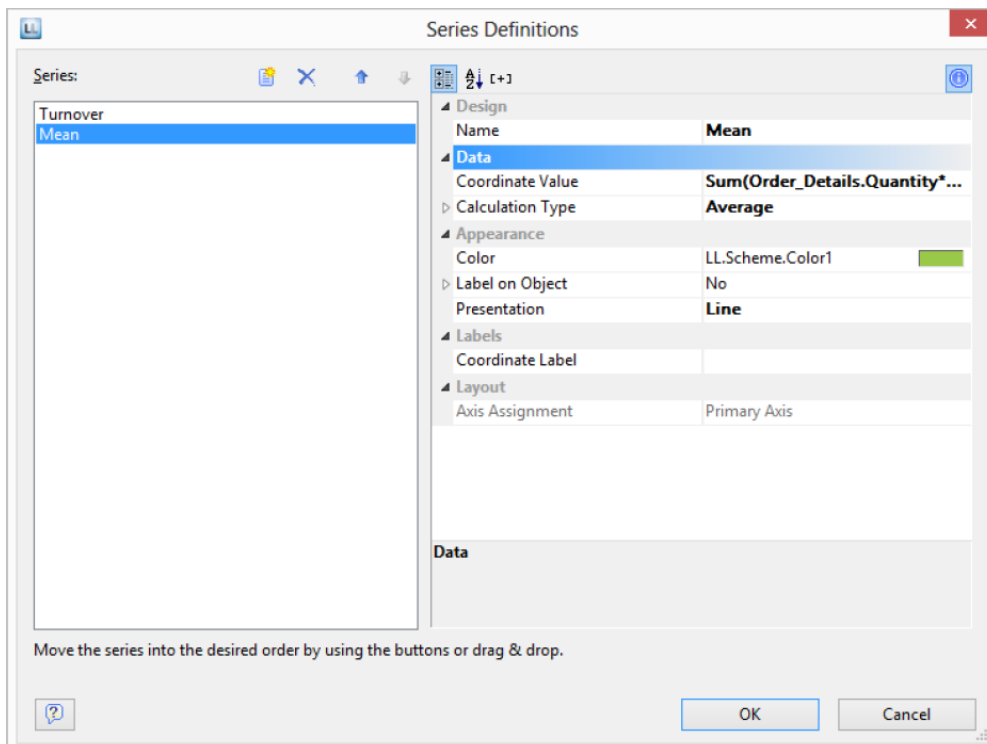
1. Select the table "Customers > Orders > Order Details" as the data source.
2. As the diagram type, select Bar/Ribbon > Clustered
3. First, define the coordinate value of the category axis. Use the formula assistant to select the field "Customers.Country".

Now define the coordinate value of the series axis. Use the combo box above the property list to select the entry "Use series to determine the values".

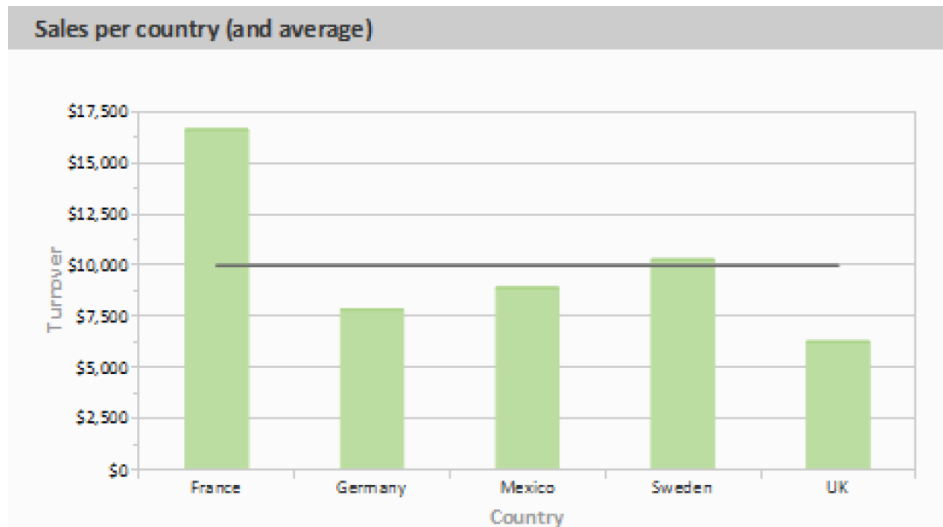


By doing this, the properties of the series axes change and a dialog appears for the property "Series Definitions" for the definition of the series.

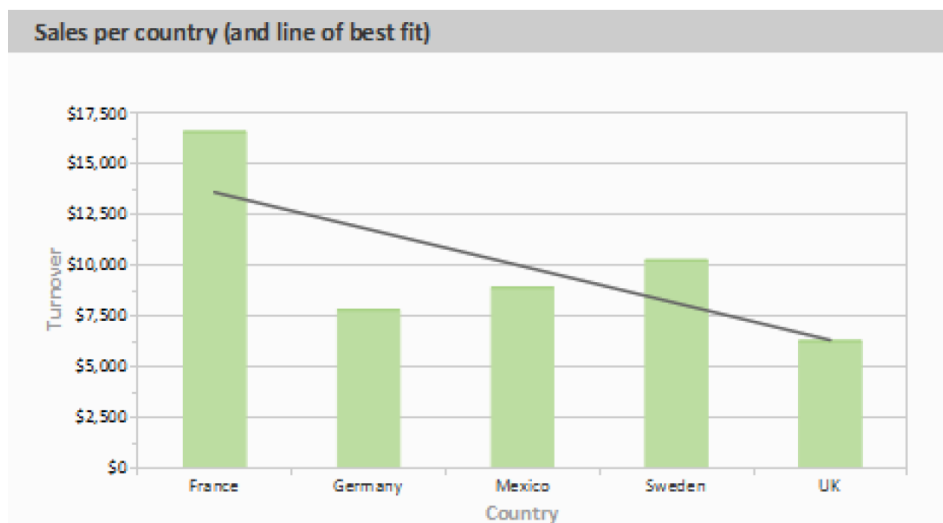
4. Define a new series "Single Turnover" and calculate the turnover using the formula "Sum(Order_Details.Quantity * Order_Details.UnitPrice)" with the calculation type "normal" and display type "Cylinder".
5. Define another series named "Mean" and calculate the turnover using the formula "Sum(Order_Details.Quantity * Order_Details.UnitPrice)" with the calculation type "Average" and display type "Line".



6. The result is a turnover analysis with a mean line.



7. When using the calculation type "Line of best fit", a trend line will be displayed:



Create a Crosstab

Crosstabs are used for evaluating and presenting data in multiple dimensions. Crosstabs (or contingency tables) are tables containing information about the frequency of the occurrence of combinations of certain characteristics.

These frequencies are extended by their marginal totals which form "contingencies." With a three-dimensional crosstab, (three characteristics), the table includes an additional column grouping.

For example, you can examine turnover trends per year and region, evaluating sales according to quantities and customers, and create marginal totals for quarters and years.

A normal ("flat") table has the attribute names in the first row and the occurrences of these attributes in all other rows. A crosstab is different. The titles of both columns and rows receive

characteristic occurrences and, at the point of intersection of the respective column and row, a value is shown that depends on the characteristics specified for the column and row in each case.

Customer turnover per year and quarter

	2008		2009				2010		Total
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
Germany					1,086	1,208	851	491	3636
Mexico		492		3,038	2,562	1,277		514	7883
Sweden	2,102		3,429						5531
UK		480	1,352		2,143	1,704			5679
Total	2102	972	4781	3038	5791	4189	851	1006	22729

For the schematic presentation of two-dimensional crosstabs, the 3D multi-row bar chart is the best choice.

Create a Crosstab Object

Let's assume that you want to examine the development of turnover per year, quarter and country. Proceed as follows in the Sample Application:

1. Crosstabs are elements in the report container. Therefore, you add these objects in the "Report Structure" tool window. If you have not yet added a report container to the workspace, select Insert > Report Container (Objects > Insert > Report Container) and pull the object to the right size in the workspace while holding down the left mouse button.
2. A selection dialog will appear for the chosen element type. Choose the "Crosstab" element type.
3. In the following dialog, now select the data source. All available tables are shown hierarchically, in other words, under the tables you will find the related tables in each case.

For our turnover analysis, e.g., choose the "Customers > Orders > Order Details" table so that you have all three tables at your disposal. The "Customers" table contains the country, the "Orders" table the order date and the "Order Details" table the turnover.

4. A wizard appears which will lead you through the 3 configuration dialogs for crosstabs.

Define Groupings

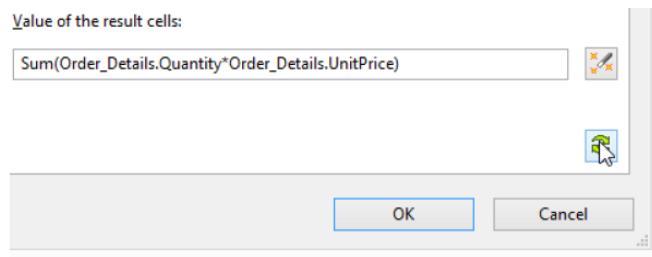
In the wizard's first dialog, or alternatively on the "Axis Definition" tab, you first define the grouping for the rows and columns, i.e., the characteristics.

1. In the "Rows" pane, click on the "Insert a row grouping" button.
2. In the formula wizard, you now enter the field or the expression for the row grouping e.g., Customers.Country. You have now created a row grouping and the data will be grouped by this characteristic.
3. In the "Columns" pane, click on the "Insert a column grouping" button.
4. In the formula wizard, you now enter the field or the expression for the column grouping.

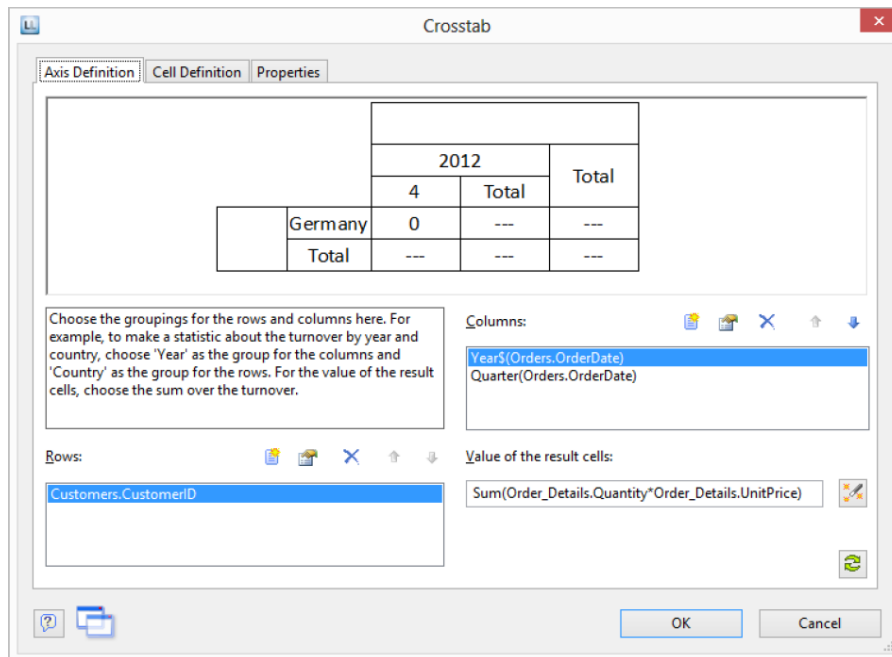
5. Since you first want to group the data by year, you must enter an expression here that returns the year of the order date. You have the Year() function in the formula wizard at your disposal; i.e., you select this function from the list and insert the order date as the parameter by double-clicking. The formula looks like this: Year(Orders.OrderDate).
6. Since we also want to examine the data at another level, insert an additional column grouping via the "Insert a column grouping" button.
7. Now enter an expression to return the quarter of the order date. You can use the Quarter() function in the formula wizard for this. The formula then looks like this: Quarter(Orders.OrderDate).

Note: You can change the order of the groupings with the arrow button. The column at the bottom is the inner grouping.

To swap lines and rows (Pivot function) use the button on the lower right on the "Axis Definition" tab. This button is only available in the object dialog, not in the wizard.



8. You have now created the groupings and you can go on to define the value for the intersection of the respective columns and rows. Click on the "Edit group result formula" button located under "Value of the result cells".
9. Now select the aggregate function that you want for the contents in the "Cell Contents" dialog that appears. You want to create a sales evaluation so choose the "Sum" function. In the upper part of the dialog, you can specify the contents by clicking the formula button to start the formula wizard.
10. In the Sample Application, the sales per order value is not supplied directly as a field so you must calculate it using the "Sum(Orders.OrderDate.Quantity * Orders.OrderDate.UnitPrice)" formula.



Define Cell Properties

In the wizard's second dialog or, alternatively, on the "Cell Definition" tab, you edit the properties of the different cells.

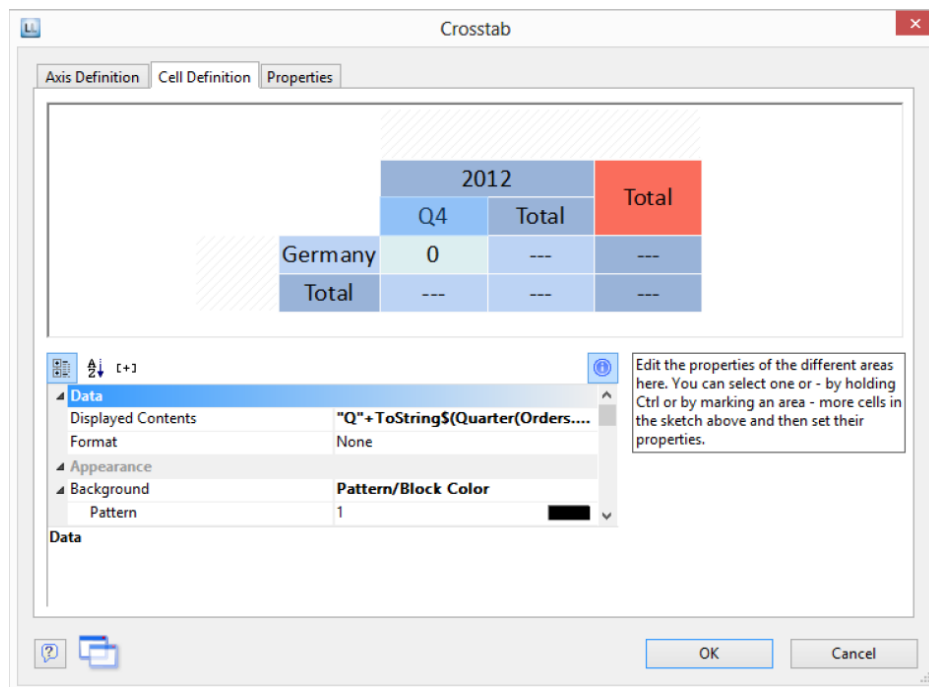
You can select the cells directly in the drawing in the upper pane of the dialog and then edit their properties. To select multiple cells, hold down the CTRL key or you can draw a border around the cells with the mouse.

1. Let's assume that the countries shouldn't be listed alphabetically but descending by turnover. Select the corresponding line header (here: Germany) and select the value "Result Descending" in the property "Sort Order" then. In combination with the property "Limit To" you will get a Top-N analysis by that.
2. Assuming that you want to prefix the number of the quarter with a "Q" as the title of a column. Select the respective column title and then double-click on the "Displayed Contents" property.

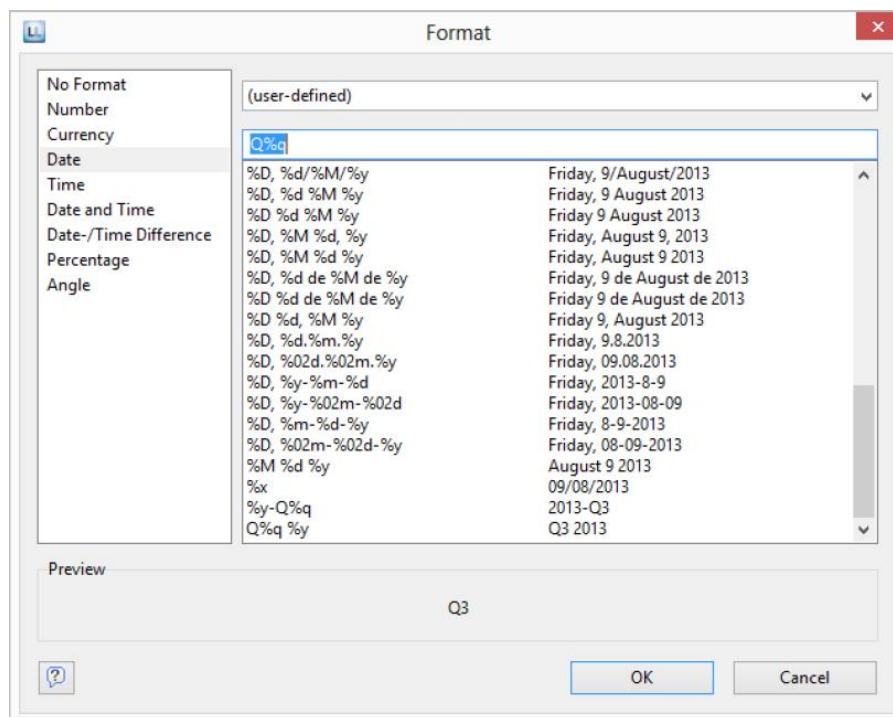
With this property, you can now specify the text that is to be displayed in this cell (independent of the value that you have defined for this column grouping).

Now define either a suitable formula, e.g., "Q" + Str\$(Quarter(Orders.OrderDate)) in the formula wizard

3. Alternatively use the "Format" property. Then remove the "Quarter\$()" here, i.e., only the date field remains in the field, and format the value by means of the property.



To do this, click the "Formatting" property, choose "Date" as the formatting type, and finally select the "User-defined" entry from the drop-down list. At the end of the list you will find an example for formatting a quarter plus the number of the year. Since we don't need the number of the year, shorten the formula's string to "Q%q".



- This cell is now formatted and you can go on to format all other cells in the same way. Various properties are available including:

- Rotation of the content in increments of 90°
- Background
- Frame
- Font
- Vertical and horizontal alignment
- Maximum width, minimum width and minimum height

The Layout Option and Wrapping Behavior

In the wizard's third dialog or, alternatively, on the "Properties" tab, you edit the layout properties and specify the wrapping behavior.

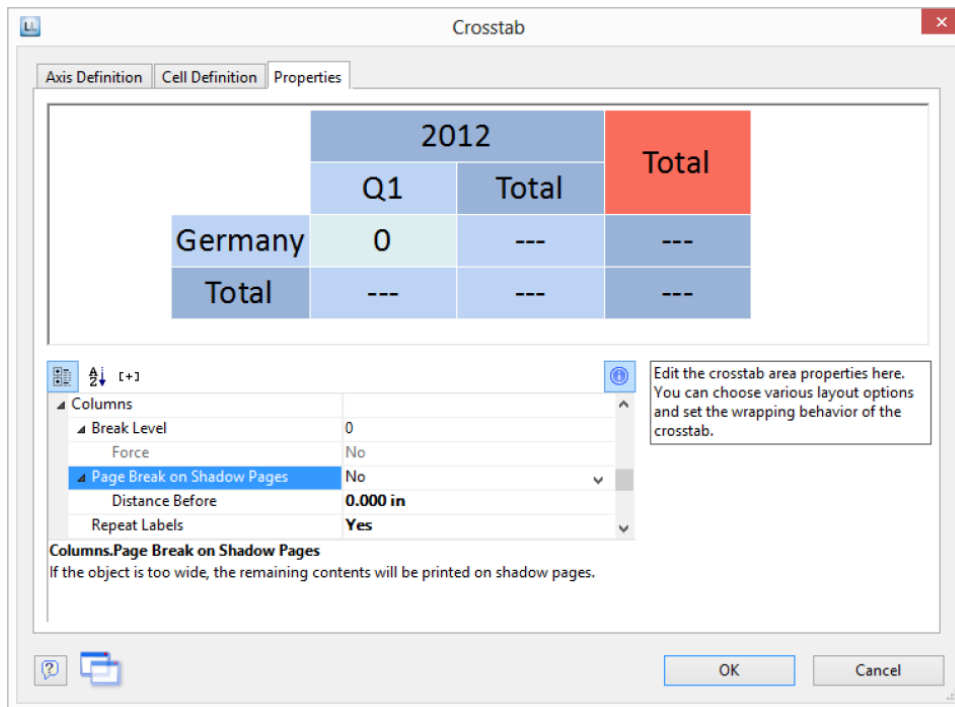
Various layout properties are available including:

- Background
- Default frame
- Minimum size (%) and minimum height

In addition, as crosstabs are often wider and higher than the specified page format, you can also specify the wrapping behavior for columns and rows. It creates as many pages (shadow pages) as necessary. The row labels are repeated on all pages as standard while the column labels are not repeated.

Various wrapping properties are available including:

- Repeat Labels: Specifies whether the labels of columns or rows are to be printed again in the case of a page break.
- Break Level: Specifies the optimum break level, e.g., "0". This corresponds to the lowest group, i.e., the quarter.
- Column > Page Break on Shadow Pages: If the cross table is too wide, the wrapped parts are printed on shadow pages. A shadow page does not count as a "real" page and therefore does not have a page number. The default setting specifies that the wrapped parts are to be output below the table.



Special Functions

Various additional functions are available in crosstabs including:

- `Crosstab.Value()` returns the content of the cell (as a value).
- `Crosstab.Cells.Avg()` returns the average value of the volume of data.
- `Crosstab.Col$()` or `Crosstab.Row$()` returns the description of the column or the row for the current cell.

With this, you can, for example, assign a particular color to the background of a column or row. The following example sets the background color to orange for all cells in a row where the cell descriptor is "Germany":

```
Cond(Crosstab.Row$()="Germany",LL.Color.Orange,LL.Color.White)
```

Customer turnover per year and quarter									
	2008		2009			2010			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Total
Germany					1,086	1,208	851	491	3636
Mexico		492		3,038	2,562	1,277		514	7883
Sweden	2,102		3,429						5531
UK		480	1,352		2,143	1,704			5679
Total	2102	972	4781	3038	5791	4189	851	1006	22729

- `Crosstab.Cells.Max()` or `Crosstab.Cells.Min()` returns the largest or smallest value in the entire crosstab. With this, you can, for example, emphasize the largest or

smallest value of the volume of data or perform calculations. The following example sets the background color of the cell with the largest value to green:

`Cond(Crosstab.Value=Crosstab.Cells.Max(),LL.Color.Green,`

`Cond(Crosstab.Row$()="Germany",LL.Color.Orange,LL.Color.White))`

Customer turnover per year and quarter

	2008		2009		2010				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Total
Germany					1,086	1,208	851	491	3636
Mexico		492		3,038	2,562	1,277		514	7883
Sweden	2,102		3,429						5531
UK		480	1,352		2,143	1,704			5679
Total	2102	972	4781	3038	5791	4189	851	1006	22729

- `Crosstab.Col()` or `Crosstab.Row()` returns the index of the column or the row for the current cell. Here, for example, you can set the background color of alternate rows thereby producing a zebra pattern. Example:

`Cond(Odd(Crosstab.Row()),LL.Color.LightGray,LL.Color.White)`

Customer turnover per year and quarter

	2008		2009		2010				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Total
Germany					1,086	1,208	851	491	3636
Mexico		492		3,038	2,562	1,277		514	7883
Sweden	2,102		3,429						5531
UK		480	1,352		2,143	1,704			5679
Total	2102	972	4781	3038	5791	4189	851	1006	22729

- `Join$()` returns a collection of strings, separated by a particular character. For example, you can output the individual turnover amounts in addition to the total turnover. Example:

`Fstr$(Sum(Order_Details.Quantity*Order_Details.UnitPrice),"-##,###,###") + "¶["+
Join$(Fstr$(Sum(Order_Details.Quantity*Order_Details.UnitPrice),"-##,###,###"))+"]"`

	Customer turnover per year and quarter								Total
	2008		2009				2010		
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
Germany					1,086 [684; 1,062; 1,086]	1,208 [878; 938; 1,208]	851 [825; 851]	491 [400; 491]	3636
Mexico		492 [29; 89; 492]		3,038 [690; 881; 1,931; 2,115; 2,213; 3,038]	2,562 [70; 140; 480; 1,182; 1,742; 2,562]	1,277 [320; 1,257; 1,277]		514 [42; 102; 166; 514]	7883
Sweden	2,102 [248; 908; 1,189; 1,489; 1,532; 1,916; 2,102]		3,429 [1,814; 2,222; 2,534; 2,908; 3,023; 3,254; 3,341; 3,429]						5531
UK		480 [90; 480]	1,352 [96; 291; 899; 1,052; 1,352]		2,143 [238; 1,298; 1,508; 2,098; 2,143]	1,704 [504; 1,284; 1,704]			5679
Total	2102	972	4781	3038	5791	4189	851	1006	22729

- You can use Total() for calculations across all cells. Otherwise, calculations are always made across all values that affect the respective cell.

Gateway

All new electronically submitted reports flow through the Gateway. It serves as an inbox, where designated **Gateway Administrators** and **Gateway Approvers** assess each electronic report before accepting it into Perspective or deleting it from the system.

Electronic reports in the Gateway can be submitted from a number of sources. If your organization uses **Perspective e-Reporting** or **Portal**, Incident reports may be submitted from a workgroup's e-Reporting Web page. Otherwise, Incident, Item, Person, Organization, and Vehicle reports may be imported using Perspective's built-in **Import Manager**. Imports may originate from a computer, Web site, PDA, mobile phone, or any electronic medium that enables creation and transfer of files in XML format.

Once the Gateway Administrator and Gateway Approver have been granted appropriate user rights by the System Administrator, they will have access to the Gateway and the electronic reports stored in it. Their respective roles involve the authority to review these reports and perform their associated functions.

Gateway Administrator and Gateway Approver both can:

Edit Incident reports (or e-Incidents).

View imported Item, Person, Organization, or Vehicle reports.

Make the imported reports available for authorized users to add to the Perspective database.

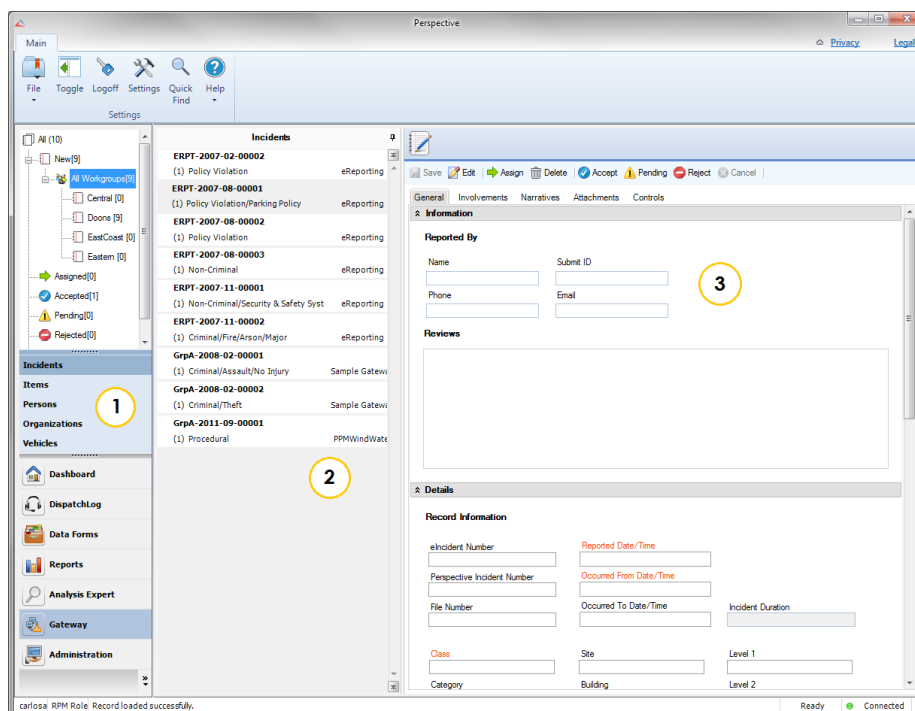
Delete the imported reports from the system.

Only Gateway Administrator can:	Only Gateway Approver can:
Assign e-Incidents to the Gateway Approver for follow-up.	Accept e-Incidents into Perspective as valid incidents.
Delete e-Incidents from the system.	Send e-Incidents back to the Gateway Administrator for reassignment.
	Store e-Incidents in a Pending folder for review at a later date, if they contain insufficient information to accept or reject them.

User Interface

The Gateway interface is divided into three sections:



1. **Navigation pane:** Allows you to move between various types of Gateway electronic reports corresponding to the major Data Forms (i.e., Incidents, Items, Persons, Organizations, and Vehicles). To display folders containing reports for a particular Gateway report type (i.e., New, Assigned, Accepted, Pending, Rejected, and Deleted for Incidents; and New, Available, Added, and Deleted for Items, Persons, Organizations, and Vehicles), choose the required banner from the Navigation pane. Click on a folder in the Navigation pane to see all the reports contained within it listed in the Listing pane. If more than one workgroup's electronic reports are contained in the folder, subfolders for the appropriate workgroups will be listed beneath the folder name in the Navigation pane. Expand the **All Workgroups** subfolder and select a workgroup to see only its particular reports in the Listing pane.
2. **Listing pane:** Provides a list of electronic reports selected in the Navigation pane for viewing. On the right side of every report entry the system records a corresponding source of a report's import (e.g., e-Reporting). Once you select an e-Report in the Listing pane, the report's contents will be displayed in the Viewing pane on the right. (For Incident e-Reports, the submitted XML data is saved under the Attachments tab.)
3. **Viewing pane:** Displays the contents of an e-Report selected in the Listing pane and provides options for saving, editing, assigning, deleting, accepting, rejecting, and closing individual reports, as well as transferring them into Available or Pending modes and viewing their XML versions. Every Incident report consists of a set of tabs (i.e., General, Involvements, Narratives, Attachments, Controls, and Audit History), while data for every Item, Person, Organization, and Vehicle report is provided on one simple form.

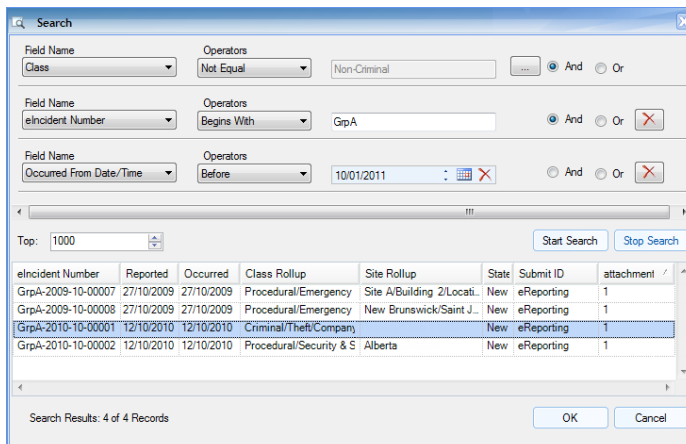


Note: If a folder in the Navigation pane contains more than 1000 e-Reports, you must first filter the report list before viewing it in the Listing pane. Once you click on the folder in the Navigation pane, a pop-up window will appear allowing you to filter the e-Incident list.

To display the top 1000 e-Reports (based on the reports' identification numbers), click **Start Search**. Click OK to transfer the list to the Listing pane.

To search for a particular e-Report or a set of e-Reports, set specific filtering criteria:

1. In the **Field Name** lookup list, select the field that you want to set as the main criterion for narrowing your e-Report list.
2. Choose an **Operator** for the field (e.g., Equal, Not Equal, After, Begins With, Like, etc.).
3. Enter the compared criterion **Value**. If the **Selector** button  is available, click it to display a tree of Value options in a separate window. Note that you may choose any node of the tree as the defining criterion, making your comparison value as narrow hierarchically as you want.
4. If you want to include a second field as an additional filtering criterion, select the **And** or **Or** radio buttons and complete the Field Name, Operator and Value fields below. You may add as many filtering criteria as you want. To remove a field from your filtering criteria, click the **Delete** button .
5. By default, only the top 1000 reports matching the criteria that you set will be displayed. To display more or less, adjust the number in the **Top** field (from 1 to 2000).
6. Click **Start Search** to generate a list of reports matching your filtering criteria. A count of the number of e-Reports in the list, as well as the total number of e-Reports matching your filtering criteria, will be displayed at the bottom of the window.
7. To make changes to the ongoing search, click **Stop Search** first, and then make the necessary changes to the filtering criteria.
8. When you are satisfied with the list of e-Reports displayed, click **OK** to transfer the list to the Listing pane in the Gateway.



The screenshot shows the 'Search' window with the following configuration:

- Field Name:** Class, **Operator:** Not Equal, **Value:** Non-Criminal
- Field Name:** eIncident Number, **Operator:** Begins With, **Value:** GpA
- Field Name:** Occurred From Date/Time, **Operator:** Before, **Value:** 10/01/2011
- Top:** 1000
- Buttons:** Start Search, Stop Search

The search results table is as follows:

eIncident Number	Reported	Occurred	Class Rollup	Site Rollup	State	Submit ID	attachment
GrpA-2009-10-00007	27/10/2009	27/10/2009	Procedural/Emergency	Site A/Building 2/Locati...	New	eReporting	1
GrpA-2009-10-00008	27/10/2009	27/10/2009	Procedural/Emergency	New Brunswick/Saint J...	New	eReporting	1
GrpA-2010-10-00061	12/10/2010	12/10/2010	Criminal/Theft/Compan...		New	eReporting	1
GrpA-2010-10-00002	12/10/2010	12/10/2010	Procedural/Security & S	Alberta	New	eReporting	1

Search Results: 4 of 4 Records

Buttons: OK, Cancel

Incidents



Under the Incidents banner, the following folders will be displayed:


- **New:** New e-Incidents that have not yet been assessed.
- **Assigned:** e-Incidents assessed and assigned to a Gateway Approver for follow-up.
- **Accepted:** e-Incidents that have been accepted into Perspective as valid Incident records by the Gateway Approver assigned to them (the only e-Incidents not available for editing).
- **Pending:** e-Incidents that require further information before being assigned or deleted.
- **Rejected:** e-Incidents that have been returned to the Gateway Administrator by the Gateway Approver.
- **Deleted:** e-Incidents that have been marked for deletion upon purge. These can be re-assigned by the Gateway Administrator before the purge occurs.

Note: Not all folders will be visible to the Gateway Approver.



After selecting an e-Report in the Incidents Listing pane of the **New** folder, you can use the buttons available on the Viewing pane toolbar to perform a number of report functions.

Common functions available for both Gateway Administrator and Gateway Approver:


 Save	Preserves the changes you made to an e-Report.
 Edit	<p>Transfers an editable e-Report into the editing mode.</p> <p>After clicking Edit, select the field you want to edit and make the necessary change. Editing of e-Reports functions similarly to the data entry in Incidents data forms, including the use of a similar set of sub-tabbed toolbar functions, like Edit, Add New, Remove and Read/View. Remember to complete every report editing action with saving the changes applied to the report by clicking Save on the Viewing pane toolbar.</p> <p><i>Note: For further details on the sections of the e-Incident report and functions performed by the toolbar functions that are available for certain sub-tabs (i.e., Involved Persons, Organizations, Vehicles, and Items), see the “Incidents” and “Common Record Functions” chapters.</i></p> <p><i>Note: The only editing function that is exclusively under the authority of the Gateway Administrator is setting of the e-Incident’s security controls in the Controls tab (access level, organizational rollup and workgroup visibility). Although the e-Incident will have some default security controls, the Gateway Administrator may choose to re-set these in order to restrict both the Gateway Approver the e-Incident is assigned to (the Approver’s access rights must match</i></p>



	<i>those of the e-Incident in order to assess it), as well as users who have access to the record within Perspective if it is accepted as a valid Incident record.</i>
 Close	Exits the e-Report without saving changes.


Functions available for Gateway Administrator only:

 Assign	<p>Assigns the e-Incident to the Gateway Approver for further review by transferring the e-Incident to the Assigned folder.</p> <p>Once you click the Assign button, a pop-up confirmation window will appear. Make any necessary notes on the assignment of this e-Incident in the Comments text box. Your notes will appear in the Reviews section of the e-Incident under the General tab. Click Assign to confirm your choice.</p> <p><i>Note: The Gateway Approver's access rights must match those designated under the e-Incident's Controls tab.</i></p>
 Delete	<p>Deletes an e-Incident as an invalid submission by transferring the e-Incident to the Deleted folder.</p> <p>Once you click the Delete button, a pop-up confirmation window will appear. Make any necessary notes on the deletion of this e-Incident in the Comments text box. Your notes will appear in the Reviews section of the e-Incident under the General tab. Click Delete to confirm your choice.</p> <p><i>Note: e-Incident can be recovered anytime prior to the end of Deleted Retention Period specified for the e-Incident's workgroup by the System Administrator.</i></p>

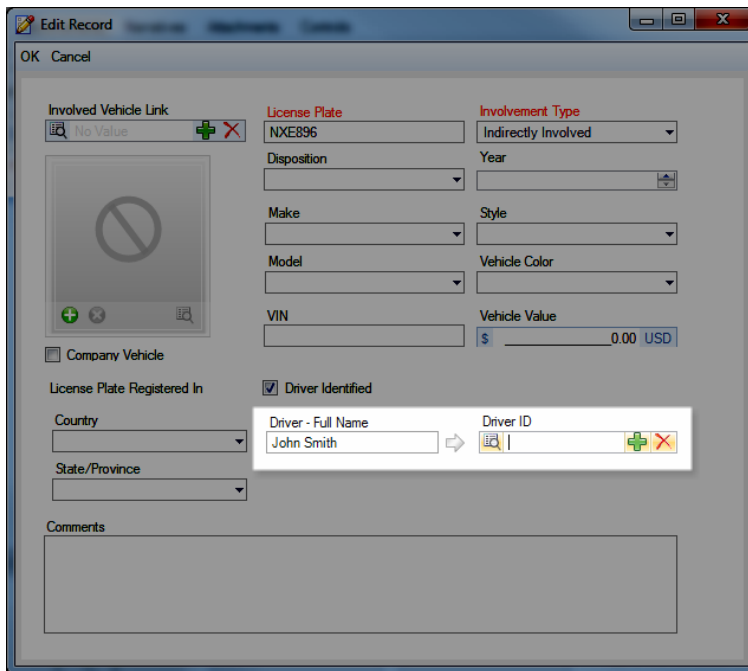
Functions available for Gateway Approver only:

 Accept	<p>Accepts an e-Incident into Perspective as a valid Incident record, by transferring it to the Accepted folder. The accepted e-Incident will be available to users whose access rights match those designated under the e-Incident's Controls tab.</p> <p>Once you click the Accept button, a pop-up confirmation window will appear. Make any necessary notes on the acceptance of this e-Incident in the Comments text box. Your notes will appear in the Reviews section of the e-Incident under the General tab. Click Accept to confirm your choice.</p> <p>A dialog box will appear displaying the e-Incident's <i>new</i> Perspective Incident Number. For cross-referencing purposes, both the original e-Incident Number (e.g., INC-2010-000269) and the new Incident Number (e.g., EINC-2010-12-</p>
---	---

	<p>00001) will appear under the Record Information in the General tab of both the e-Incident record and the actual Incident data form. Click OK.</p> <p><i>Note: The accepted e-Incident will be purged from the Gateway at the end of the Accepted Retention Period specified for the e-Incident's workgroup by the System Administrator. The original e-Incident form will remain in Perspective as an attachment to the newly created Perspective Incident record.</i></p>
 Reject	<p>Sends an e-Incident back to the Gateway Administrator for further review by transferring it to the Rejected folder, so that it could be re-assigned or deleted.</p> <p>Once you click the Reject button, a pop-up confirmation window will appear. Make any necessary notes on the rejection of this e-Incident in the Comments text box. Your notes will appear in the Reviews section of the e-Incident under the General tab. Click Reject to confirm your choice.</p> <p>To evaluate the reasons for the e-Incident's rejection by the Gateway Approver, edit the e-Incident, and/or delete or assign it again, the Gateway Administrator hat to access the rejected e-Incident from the Rejected folder.</p>
 Pending	<p>Sets an e-Incident to Pending status, by storing it in the Pending folder. This function is used when there is insufficient information to accept or reject the e-Incident, and the Gateway Approver intends to make its review at a later date.</p> <p>Once you click the Pending button, a pop-up confirmation window will appear. Make any necessary notes on the pending of this e-Incident in the Comments text box. Your notes will appear in the Reviews section of the e-Incident under the General tab. Click Pend to confirm your choice.</p>

When an incident is submitted using e-Reporting or Portal, you must manually link the name of the driver (Vehicles), supervisor (Incident General), notified by person (Organizations), or the owner, person, or organization (Items), in Gateway. This is done by clicking the **plus** icon . Then, select the corresponding record from the pick list. If a record does not already exist, use the Quick Add function to create one.

Note: If this is not done before acceptance to Perspective, the information will not get transferred into Perspective.






Items, Persons, Organizations and Vehicles

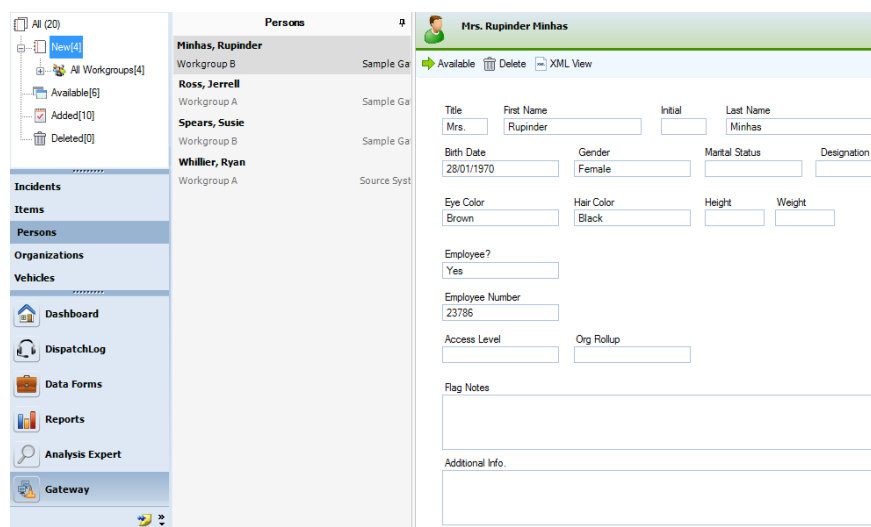
Note: Item, Person, Organization, and Vehicle reports can only be imported to the Gateway using the Import Manager.

To view imported Item, Person, Organization, or Vehicle reports, click on the appropriate banner in the Navigation pane. The following folders will be displayed:

- **New:** New imported reports that have not yet been assessed.
- **Available:** Imported reports that have been deemed valid, and made available for authorized users to add to the Perspective database.
- **Added:** Imported reports that were first made available within Perspective, and then added by authorized users to the database as valid Item, Person, Organization, or Vehicle records.
- **Deleted:** Imported reports that have been marked for deletion upon purge. These can be made available for adding to the database before the purge occurs.

After selecting an e-Report in the appropriate Listing pane of the **New** folder, you can use the buttons available on the Viewing pane toolbar to perform the three basic report functions that are available for both the Gateway Administrator and the Gateway Approver.

 Available	<p>Makes a report available for authorized users to add to the Perspective database, while transferring it to the Available folder. If an authorized user chooses to add a new record to one of the Data Forms components, the data in the added report will be displayed as available for adding. Simultaneously, the report will be moved from the Available folder to the Added folder.</p> <p>At the end of the Added Retention Period specified for the report's workgroup by the System Administrator, the imported report will be purged from the Gateway. However, the original XML report will remain in Perspective as an attachment to the newly created Perspective Item, Person, Organization, or Vehicle record.</p>
 Delete	<p>Deletes a report from the Gateway as invalid.</p> <p>Once you click the Delete button, a pop-up confirmation window will appear. Choose the Mark As Delete radio button to store the imported report in the Deleted folder, where it can be recovered at any time prior to the end of the Deleted Retention Period specified for the report's workgroup by the System Administrator. Otherwise, choose the Immediate Delete radio button to permanently delete the report. Click Delete to confirm your choice.</p>
 XML View	<p>Displays the imported report in its original XML format including hidden data, if available. Click the XML View button again to return to the standard view.</p>



The screenshot displays the Perspective Gateway interface. On the left is a navigation pane with a tree view containing folders like 'New(4)', 'All Workgroups(4)', 'Available(6)', 'Added(10)', and 'Deleted(0)', along with categories like 'Incidents', 'Items', 'Persons', 'Organizations', and 'Vehicles'. Below these are icons for 'Dashboard', 'DispatchLog', 'Data Forms', 'Reports', 'Analysis Expert', and 'Gateway'. The main area is split into two panes. The left pane, titled 'Persons', shows a list of individuals: 'Minhas, Rupinder' (Workgroup B), 'Ross, Jerrell' (Workgroup A), 'Spears, Susie' (Workgroup B), and 'Whillier, Ryan' (Workgroup A). The right pane displays the detailed form for 'Mrs. Rupinder Minhas'. At the top of this form are buttons for 'Available', 'Delete', and 'XML View'. The form fields include: Title (Mrs.), First Name (Rupinder), Initial, Last Name (Minhas), Birth Date (28/01/1970), Gender (Female), Marital Status, Designation, Eye Color (Brown), Hair Color (Black), Height, Weight, Employee? (Yes), Employee Number (23786), Access Level, Org Rollup, Flag Notes, and Additional Info.

Note: When an incident is in the Gateway

Perspective DispatchLog

Welcome to Perspective DispatchLog™, a component of both the Perspective SOC and Perspective EIM Editions. DispatchLog provides a wide range of powerful dispatching functions. Combined with Perspective, DispatchLog embodies one of the most sophisticated and efficient cost-based dispatching and activity tracking methods. The DispatchLog console enables Security Departments to quickly create activities and dispatch personnel and agencies, while the Activity component in Perspective stores closed records of dispatched activities for further description and analysis.

As calls come in, you can use DispatchLog to complete the following important dispatching tasks:

- Easily track the category, priority, location, and timing of activities;
- Document officer and organization responses to and action requests for activities;
- Add persons, organizations, vehicles, and items involved in activities;
- Attach supplementary files to the current activities and log timely activity notes;
- Give activity-related assignments to other users;
- Bring officers on and off duty;
- Quickly dispatch officers and organizations to the current activities;
- Keep up-to-the-minute records on your officers' and organizations' activities and location;
- Review interactive lists of Standard Operating Procedures available for the activities' call categories, sites, and/or statuses;
- Send out mass notifications and/or email notifications in relation to activities;
- Clone activities and available officers and organizations;
- Schedule, copy, and implement future activities;
- Close activities.


As you close an activity in DispatchLog, it is transferred to the Activities section of the Data Forms in Perspective under its original Activity Number. The Activities component provides functionality to create new Activity records from scratch, as well as to efficiently maintain and monitor existing Activity records. In addition to the options provided in DispatchLog, in Perspective you can:

- Create new activities post factum and edit closed activities transferred from DispatchLog;
- Link an Activity record to another Activity or an Incident record;
- Refine records' control and workgroup visibility options;

- Review the sent mass and email notifications;
- Audit changes made to a record;
- Escalate activities to Incident records for investigation.

Note: Updates to the program, as well as variations in the operating system, may result in slight discrepancies between the illustrations in the guide and what you may see on your monitor.

Access Perspective DispatchLog

The DispatchLog module is built into Perspective's user interface. To start dispatching, log into Perspective and click on the  **DispatchLog** banner located on the bottom Navigation toolbar along with the rest of the Perspective's components. A separate DispatchLog window will open with lists of the current and scheduled activities, available and assigned officers, and assigned organizations.

User Interface

The user interface of Perspective DispatchLog is determined by the following three tabs:

- **Start:** Main component where current activity creation, immediate dispatching, and updating of activity details takes place. The toolbar (Ribbon) contains the administrative, control, dispatching, as well as the activity creation, tracking, and manipulation functions **(1)**. The interface of the Start tab consists of the following three interactive panes:

Activities pane (2): Displays a list of all current activities along with their *Activity Number*, *Priority*, *Location*, *Call Category*, *Reported Date/Time*, *Description*, *SOP*, and *Off Site* checkmarks, as well as the *Officer Status* and *Organization Status* of the resources that have last been dispatched for the activity, the *Regulated Time to Act Alert* time bar, and the *Time Remaining* timer. Under the Start tab, the Activities pane only displays activities that are set for today's dispatching.

Available pane (3): Displays a list of officers and organizations on duty that are currently available to take on new activities. Along with the *Officer/Organization Name*, the pane displays the resource's current *Location*, *Call Sign* (only for officers), *Team* (only for officers), *Status*, and the amount of *Time Elapsed* from the time when the current status has been allocated to the resource.

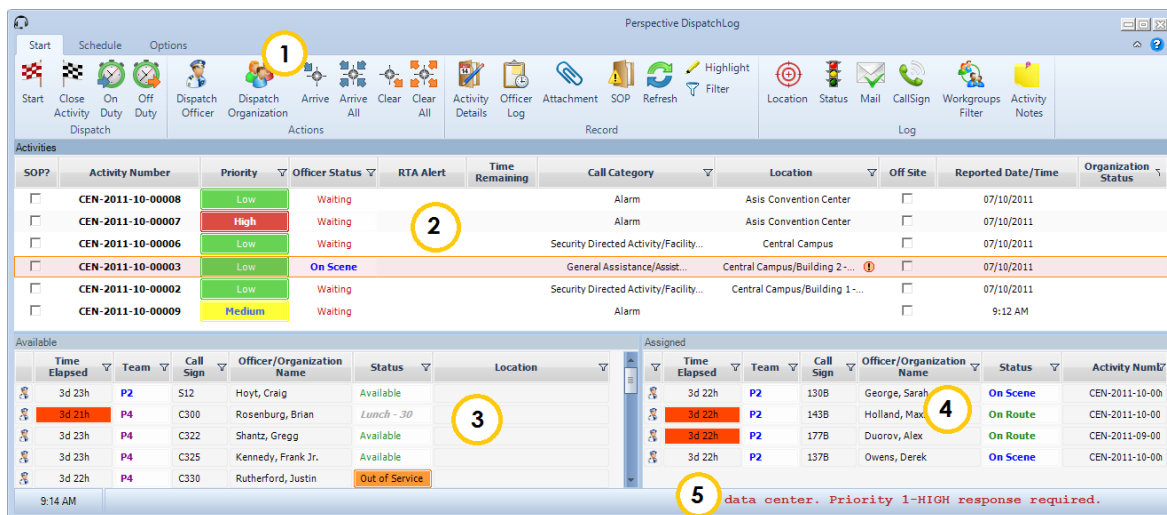
Assigned pane (4): Displays a list of officers and organizations on duty that have been dispatched for the current activities. The data listen on the pane are the same as on the Available pane, with an additional column for the dispatched *Activity Number*.

- **Schedule:** The component of DispatchLog that enables scheduling of new activities for the future with the help of the relevant toolbar functions (i.e., *Add*, *Edit*, *Delete*, *Copy*, *Refresh*, and *Start Now*). The only pane that gets activated under the Schedule tab is the Activities

pane that can be populated with new Activity records. The Available and the Assigned panes appear grayed out and inactive. When the scheduled activity's due date and time matches the current date and time, it will automatically get transferred to the current activities list under the Start tab. Otherwise, you may choose to change the date of the dispatch or start the dispatch immediately.


- Options:** The organizational component of DispatchLog that assists the dispatcher in managing large volumes of dispatch data. All the panes that would typically be active under the Start pane are also fully active here. However, the Options toolbar contains only three functions that perform the Clone Activities, Clone Resources, and Reset View functions. Cloning a pane would enable you to view the available data in separate windows in greater detail, and filter the specific information you want to concentrate on. If required, you may subsequently dock the resulting pane within the Options/Start tabs' interface and locate the referents of additional data contained in the pane on the other panes of DispatchLog.

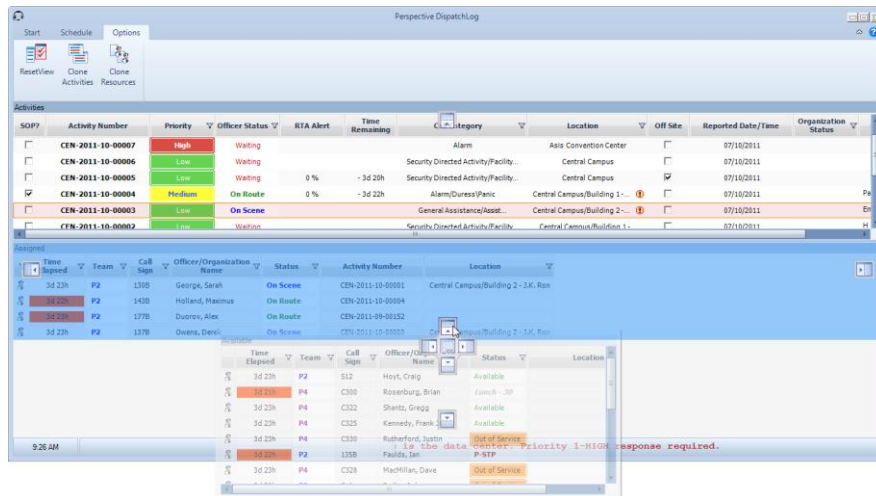
At the bottom of the DispatchLog screen, you will notice the so-called **Status bar (5)** that contains the clock synchronized with the time set on your computer, and that may display the running text note set for the *Site* of the Activity record that you selected in the Activities pane.




You can build the DispatchLog interface according to your preferences, shifting the position of the panes on the screen, arranging them under tabs, and dragging them out of the dock. To achieve the optimal arrangement of panes within or outside of the window, follow the simple procedures outlined below:

1. Drag the pane to its approximate desired location.
2. Select the exact positioning option from the set of position icons that appear on the screen. As you drag the pane to the icon, the system will mark the corresponding area where the pane will land if you drop it now.
3. If the blue area marks the position you wanted your pane to occupy, drop the pane. If not, drag the pane elsewhere.

- To drag your pane out of the dock or dock it back into its previous location, double-click it.
- To reset the arrangement of panes, open the **Options** tab and click the  **Reset View** icon.
- Click **OK** on the pop-up window to confirm the operation.




For your convenience, the panes are equipped with multiple filters that can be used to sort out a subgroup of entities that correspond to your desired criterion.

- To display a subgroup of entities contained in the grid, click the filter icon  that appears next to the header of your desired criterion (e.g., Status). A drop-down menu will appear that will list all the available values for the chosen criterion.
- Select the specific value of interest for your criterion (e.g., Available). The grid will be automatically reduced to display just the entities that contain the value you selected (i.e., all officers and organizations that are available).
- To remove the filter, click the corresponding filter icon again and select **[Clear]**.

Available						
	Team	Call Sign	Officer/Organization Name	Status	Location	Time Elapsed
	P1	132A	Dolby, John	[Clear] Available Busy Out of Service T-STP	Site C	23:35:27
	P1	133A	Owens, Derek		Site C	1d 0h
	P2	130B	Holland, Mary		Ontario	1d 12h
	P1	133B	George, Sara	Available	Site C	23:35:23
	P3	130A	Shantz, Gregg	T-STP		22:14:27
	P3	133C	Zeyen, Jeff	Busy	Site C/Building 1	22:08:35
	P3	130C	Bruce, Tom	Available	Site C	23:35:22












To sort the entities alphabetically based on one of the grid headers, click on the header. The arrow next to the header will indicate the sorting direction (i.e., ascending or descending).

Available						
Team	Call Sign	Officer/Organization Name	Status	Location	Time Elapsed	
P1	132A	Dolby, John	Available	Site C	23:38:51	
P1	133A	Owens, Derek	Available	Site C	1d 0h	
P1	133B	George, Sara	Available	Site C	23:38:47	
P3	130C	Bruce, Tom	Available	Site C	23:38:46	
P3	133C	Zeyen, Jeff	Busy	Site C/Building 1	22:11:59	
P2	130B	Holland, Mary	Out of Service	Ontario	1d 12h	
P3	130A	Shantz, Gregg	T-STP		22:17:51	

To update the contents of all the panes with the current state of the entire data set, click the **Refresh** icon  located on the top toolbar.

Navigating the program commands



The program commands displayed on the DispatchLog toolbars can be accessed via icons or through keyboard shortcuts. If the function refers to a specific activity/officer/organization, you will first need to select the corresponding entity from one of the panes, and then click the icon or press the required combination of keys.

Icon	Program Command	Selected Entity	Shortcut Key(s)
	Start a new activity	Activity	<Ctrl> + <S>
	Email a basic Activity record	Activity	<Ctrl> + <M>
	Display activity details	Activity	<F6>
	Dispatch an organization	Activity	<Ctrl> +
	Update all officers' and organizations' statuses to "On Scene" for the selected activity	Activity	<Ctrl> + <A>
	Add activity notes	Activity	<Ctrl> + <N>
	Add an attachment to the selected activity	Activity	<Ctrl> + <T>
	Display the associated Standard Operation Procedures	Activity	<Ctrl> + <P>
	Display assigned officers/organizations for the selected activity only	Activity	<Ctrl> + <F>
	Highlight assigned officers/organizations for the selected activity only	Activity	<Ctrl> + <H>
	Display activities filtered by specific workgroup(s)	—	<Ctrl> + <W>

	Clear all officers and organizations from the selected activity	Activity	<Ctrl> + <L>
	Close an activity	Activity	<Ctrl> + <O>
	Bring an officer on duty	—	<F8>
	Dispatch an officer	Available Officer	<Ctrl> + <D>
	Update an officer's Call Sign	Officer	<Ctrl> + <E>
	Update an officer's/organization's Location	Officer/Organization	<Ctrl> + <I>
	Update an officer's/organization's Status	Officer/Organization	<Ctrl> + <K>
	Update an officer's/organization's Status to "On Scene"	"On Route" Officer/Organization	<F2>
	Clear an officer/organization from the selected activity	Officer/Organization	<F3>
	Bring an officer off duty	Available Officer	<F9>
	Display officer log	Officer/—	<F7>
	Refresh the screens	—	<F5>
—	Delete an activity	(Scheduled) Activity	<F11>
	Add a new scheduled activity	—	<Ctrl> + <1>
	Edit a scheduled activity	Scheduled Activity	<Ctrl> + <2>
	Delete a scheduled activity	Scheduled Activity	<F11> <Ctrl> + <3>
	Copy a scheduled activity	Scheduled Activity	<Ctrl> + <4>
	Transfer a scheduled activity to the current activities list under the Start tab	Scheduled Activity	<Ctrl> + <S>
	Reset the current panels' layout to default	—	<Ctrl> + <R>
	Clone activities for a separate window display and filtering	—	<Ctrl> + <X>
	Clone resources for a separate window display and filtering	—	<Ctrl> + <U>

Create and Manage an Activity

Start a New Basic Activity Record

1. To start a new current activity, select the **Start** tab.
2. Click the **Start** icon  on the toolbar. The blank Activity Details form will open.
3. Select the **Reported Date/Time** for the activity. By default, the field will display the current date and time. If you input a future date or time in the field, the activity will be automatically categorized as a scheduled activity and transferred to the Schedule tab upon saving.
4. Enter the full call code in the **Code** field. Based on the code entered, the activity details will populate the rest of the fields in the section. Alternatively, select the activity specifications individually using the hierarchical **Level 1**, **Level 2**, and **Level 3** lookups, and let the system calculate the proper values for the Code and Priority fields.
5. Using the **Priority** lookup, you may overwrite the default priority value set for the call category selected in the previous step.
 - The Priority will go back to its default (even if you have clicked Save), if you tab from the Code field to the Level 1 field. However, navigating from Code to Level 1 with your mouse pointer will not change your selections. For this reason, avoid using the Tab button on your keyboard when going from the Code field to the Level 1 field.
 - If the Level 1 Call Category you have selected does not have a Priority default, tabbing from Code to Level 1 (even if you have clicked Save), will cause the Priority to disappear. For this reason, avoid using the Tab button on your keyboard when going from the Code field to the Level 1 field.
6. Indicate the precise activity location using the **Site**, **Building**, **Location**, and **Section** lookups. Depending on your Perspective setup, the system will either populate the address fields with the corresponding default address of the specified location stored in the database, or require you to enter the address manually.
 - If the location specified for the Activity record has associated Site Notes set in the Administration component of Perspective, every time you select the Activity record on the Activities pane in DispatchLog, the Status bar will display the running Site Notes.
7. If the activity took place off site, check the **Off Site** box.
8. In the **Description** text field, enter a detailed description of the activity.
9. Select the means of receiving the call from the **Call Source** lookup (e.g., Phone, Alarm).
10. Click on the Add icons  and select the names of the following responsible persons:

- **Initiated By**—The person who initiated the call and provided basic information for creation of the activity. Enter the initiator's **Contact Number** in the field below.
 - **Call Taken By**—The person who is responsible for recording the call. By default, the call taker is the person who creates the original Activity record.
 - **Dispatched By**—The person who dispatches an officer/organization for the activity. By default, the dispatcher is the person who first started to assign officers/organizations.
11. Under Workgroup Visibilities, specify the name of the workgroup that is responsible for the activity in the **Owner Workgroup** field.
 12. From the **All Workgroups** lookup, select the rights that are assigned to all other workgroups in relation to the created activity (e.g., None, Update, or Read).
 13. Click **OK** to save the activity in the Activities pane under a distinctive Activity Number, with the Officer and the Organization Status both set to "Waiting".

The screenshot shows the 'Activity Details' window with the following sections:


- Activity Details:**
 - Reported Date/Time: 16/09/2011 12:43 PM
 - Code: 900B
 - Level 1: Alarm
 - Level 2: Fire
 - Level 3: Local Alarm
 - Priority: Important
- Activity Location:**
 - Site: Acme University
 - Building: Administration Building
 - Location: [Empty]
 - Section: [Empty]
 - Address: 1112 University Drive
 - Address 2: Administration Building
 - Postal Code: T1A 2B3
 - Country: Canada
 - State/Province: Alberta
 - City: Edmonton
 - ☐ Off Site
- Supplemental Details:**
 - Call Source: Alarm
 - Initiated By: Zeyen, Jeff
 - Contact Number: 780 555 4444
 - Call Taken By: St. Jean, Clint
 - Dispatched By: Remnyakova, Svet
- Workgroup Visibilities:**
 - Owner Workgroup: Advanced Users
 - All Workgroups: Update
- Description:**

The fire alarm sounded at 9:58 am. Most staff evacuated the building by 10:20 am. Employees working at Level 7/Section 2 discovered that their fire exit had been blocked, so they had to walk to the other side of the building to find an exit. This delayed their evacuation by 10 minutes.

14. If the created activity's specifications imply associated Standard Operation Procedures (SOP), the SOP window will pop up as soon as you click OK. For further details, see the ["Review the Activity's Standard Operating Procedures"](#) chapter.
15. If your system's setup includes a Regulated Time to Act (RTA) alert for the activities that match the type you just created, the **Time Remaining** cell for the activity will start counting the time attributed for the dispatcher to act on the activity. This may demand from the dispatcher to dispatch an officer or an organization for the activity, or to change the status or location of a resource or the activity. The amount of time left is also reflected in the color of the **RTA Alert** decreasing time bar. Once the time is up, the timer will start to count the time that has passed after the RTA reached 0%, and the RTA bar will flash red.


Activities											
Activity Number	Priority	Officer Status	RTA Alert	Time Remaining	Call Category	Location	Off Site	Reported Date/	Organization Status	Description	
ACT1-2011-00010	Low	Waiting			General...	Site C/Building 1		01/09/2011) with arrest of...	
ACT1-2011-08-0001	Extreme	Waiting			Dangerous Condit	British Columbia		31/08/2011			
ACT1-2011-08-0001	Minimal	On Scene			Alarm	British Columbia		31/08/2011	On Route		
ACT1-2011-08-0001	Important	On Route	57 %	00:00:30	Emergency Call/91	Alberta		31/08/2011			
ACT1-2011-08-0001	Minimal	Waiting			Escort	Alberta		31/08/2011			
ACT1-2011-00010	Minimal	On Scene			Security...	Site D/Building 1		31/08/2011		ending Toronto	
ACT-2011-000020	High	On Route			Alarm/Panic	Site A		12/08/2011	On Route		

RTA Alert	Time Remaining
41 %	00:00:17
21 %	00:00:02
0 %	- 00:00:17

- To attach supplemental information to the basic Activity record, including the details of responses, requests, involvements, attachments and assignments, double-click the Activity record or select it on the Activities pane and click  **Activity Details**. The Activity record will contain additional tabs that can be used to create a complete activity, which is comparable to the records created in Perspective's Activity component, within the DispatchLog module. For further details, please refer to the rest of the sections contained in the ["Create and Manage an Activity"](#) chapter.

Record an Officer's Response to an Activity

This section will introduce an additional method of documenting past officers' responses to an Activity record. On the surface, it is a concise way of recording the whole dispatch process of multiple officers for a single activity, as described throughout the ["Dispatch an Officer for an Activity"](#), ["Update an Officer's/Organization's Status"](#), ["View or Update an Officer's/Organization's Location"](#), ["Update an Officer's Call Sign"](#), ["Abandon an Activity Record"](#), and ["Clear an Officer/Organization from an Activity"](#) chapters.

- Double-click the Activity record you want to edit, or select it on the Activities pane and click  **Activity Details**.
- Select the **Responses** tab.
- Open the **Officer Responses** sub-tab.
- Click **Add New**. A pop-up window will open.
- Select the responding officer's record from the **Officer Name** pick list.
- The **Call Sign** field will auto-populate with the selected officer's call sign abbreviation.
- Track the temporal progress of the officer's response specifying the following time points:
 - Assigned Date/Time**—The date and time when the officer was dispatched for the activity.

- Check the **Abandoned** box if the officer has been assigned to the activity, but did not manage to carry out the response tasks due to reassignment for another activity or the fact that they did not arrive at the site of the activity.
 - **Start Date/Time**—The date and time when the officer started to respond to the activity.
 - **Arrived Date/Time**—The date and time when the officer arrived on the activity's site.
 - **Cleared Date/Time**—The date and time when the officer completed the activity and vacated the site.
8. Once the appropriate dates and times have been entered, the system will calculate how long it took the officer to respond (**Response Time**) and how long they remained on site (**Time On Site**).
 9. Enter any additional information about the officer's response in the **Officer Response Notes** text box.

10. Click **OK**. The new officer's response entity will be saved as an entry in the Officer Responses grid.
11. Click **OK** on the activity's form to save the changes made to the record.

Ok Close

General Responses Requests Involvements Attachments Assignments

Officer Responses Organization Responses

■ Add New ■ Edit ■ Remove

Total: 2

Officer Name	Call Sign	Assigned Date/Time	Start Date/Time	Arrived Date/Time	Cleared Date/Time	Response Time	Time On Site
Norton, John	130C	19/05/2011 10:00 AM	19/05/2011 10:00..	19/05/2011 10:05 AM	19/05/2011 11:00 AM	0.08 hrs	0.92 hrs
Durov, Alex	PPM-002	19/05/2011 10:00 AM	19/05/2011 10:20..	19/05/2011 10:40 AM	19/05/2011 12:00 PM	0.33 hrs	1.33 hrs

Conducted evacuation of staff from the building.

Record an Organization's Response to an Activity

This section will introduce an additional method of documenting past organizations' responses to an Activity record. On the surface, it is a concise way of recording the whole dispatch process of multiple organizations for a single activity, as described throughout the ["Dispatch an Organization for an Activity"](#), ["Update an Officer's/Organization's Status"](#), ["View or Update an Officer's/Organization's Location"](#), ["Abandon an Activity Record"](#), and ["Clear an Officer/Organization from an Activity"](#) chapters.


1. Double-click the Activity record you want to edit or select it on the Activities pane and click **Activity Details**.
2. Select the **Responses** tab. Then, open the **Organization Responses** sub-tab.
3. Click **Add New**. A pop-up window will open.
4. Select the responding organization's record from the **Organization** pick list. If the Organization record does not already exist, use the Quick Add function to create one.
5. The **Organization Name** field will now automatically populate with the linked organization's name. Depending on the data available, some additional fields may also populate with information drawn from the linked Organization record.
6. To add the organization's logo to the record, click the Add icon in the image box.
7. Locate the image file in the browser window and click **Open**.
8. Specify the category of the organization's response (e.g., Emergency Service, Responding Service/Agency, Indirectly Involved) by selecting a description from **Involvement Type**.
9. If applicable, input the organization's file, ID, or other tracking number in the **Organization Number** field.


10. Select the applicable **Organization Type** from the lookup list.
11. Specify the mode by which the organization has been notified of the activity in the **Notified By** lookup list.
12. If there is any documentation associated with the organization's response to the activity (e.g., a work order), note the associated tracking number in the **Reference Number** field.
13. Select the name of the organization's primary contact from the **Contact Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
14. Enter the contact person's phone number under **Contact Phone**.
15. Select the record of the person in the organization who responded to the activity from the **Responding Person** pick list and the record of the person who called the organization from the **Notified By Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
16. Track temporal progress of organization response by specifying the following time points:
 - **Called Date/Time**—The date and time when the organization was contacted about the activity. Check the **No Responses** box if the organization did not respond.
 - **Arrived Date/Time**—The date and time when the organization arrived on site.
 - **Cleared Date/Time**—The date and time when the responding organization vacated the site after having had completed the response.
17. Once the appropriate dates and times are entered, the system calculates how long it took the organization to respond (**Response Time**) and how long they remained on site (**Time On Site**).
18. Enter any additional information about the organization's response in **Response Notes**.

19. Click **OK**. The new organization's response entity will be saved as an entry in the Organization Responses grid.
20. Click **OK** on the activity's form to save the changes made to the record.

Organization Type	Organization Name	Involvement Type	Called Date/Time	Arrived Date/Time	Cleared Date/Time	Response Time	Time On Site
Municipal Agency	Metropolitan Fire and...	Responding Servic...	19/05/2011 10:20...	19/05/2011 10:30...	19/05/2011 11:30 A...	0.17 hrs	1.0 hrs
Municipal Agency	Metropolitan Police S...	Indirectly Involved	19/05/2011 10:50...	19/05/2011 11:20...	19/05/2011 4:50 PM	0.5 hrs	5.5 hrs

Note an Action Request for an Activity

1. In order to document an action request for an activity, double-click the Activity record, or select it on the Activities pane and click  **Activity Details**.
2. Select the **Requests** tab.


3. Click **Add New**. A pop-up window will open.
4. Select the requested organization's record from the **Organization** pick list. If the corresponding Organization record does not already exist, use the Quick Add function to create one.
5. The **Organization Name** field will now automatically populate with the linked organization's name. Depending on the data available, some additional fields may also populate with information drawn from the linked Organization record.
6. To add the organization's logo to the record, click the Add icon  in the image box.
7. Locate the image file in the browser window and click **Open**.
8. Specify the type of services offered by the requested organization selecting a description from the **Involvement Type** lookup list.
9. If applicable, input the organization's file, ID, or other tracking number in the **Organization Number** field.
10. Select the applicable **Organization Type** from the lookup list.
11. Specify the mode by which the action has been requested in the **Notified Type** lookup list (e.g., via Perspective DispatchLog, Investigator, or Control Center).
12. Note the organization's associated **Reference Number**.
13. Select the name of the requested organization's primary contact from the **Contact Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
14. Enter the contact person's phone number under **Contact Phone**.
15. Choose the appropriate description for the requested action (e.g., Maintenance, Escort, Window Repair) from the **Request Type** lookup list.
16. Select the record of the person who has been administered the request from the **Request Assigned To Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
17. Enter the date and time the request was made in the **Assigned Date/Time** field.
18. When the action is complete, input the **Completed Date/Time**.
19. If there is a tracking or other ID number assigned to the action request, enter it in the **Tracking Number** field.


20. Enter any additional **Request Notes**.
21. Click **OK**. The new action request entity will be saved in the Organization Responses grid.
22. Click **OK** on the activity's form to save the changes made to the record.

Organization Type	Organization Name	Involvement Type	Request Type	Assigned Date/Time	Completed Date/Time	Request Assigned To Person
Corporation	Windows Glass Repa...	Responding Servic...	Window Repair	20/05/2011 9:08 AM	20/05/2011 10:00 AM	Thiessen, Ryan

Add Persons Involved in an Activity

Note General Details of an Involved Person

1. In order to add an involved person to an Activity record, double-click the record or select it on the Activities pane and click  **Activity Details**.
2. Select the **Involvements** tab.
3. Click the **Persons** sub-tab.

4. Click **Add New**. A pop-up window will open.
5. Select the involved person's record from the **Linked Person** pick list. If a Person record does not already exist for this individual, use the Quick Add function to create one.
6. The **First Name** and **Last Name** fields will now automatically populate with the linked person's name. Depending on the data available, some additional fields may also populate with information drawn from the linked person's record.
7. From the **Involvement Type** lookup list, choose the appropriate description.
8. Enter the person's **Initial**, **Title** (e.g., Mr.) and **Designation** (e.g., Chartered Accountant).
9. Specify the involved person's **Date of Birth**, **Gender**, and **Marital Status**.
10. Identify the person's physical characteristics, including **Hair Color**, **Eye Color**, **Height**, and **Weight**.
11. If the person is an employee of your organization, check the "**Employee?**" box and enter the **Employee Number**.
12. If the person was interviewed regarding the occurrence, check the "**Interviewed?**" box.
13. If the person received first aid, or was injured or hospitalized as a result of the occurrence, check the "**First Aid Administered?**", **Injured**, and/or "**Person Hospitalized?**" boxes.
14. Enter notes about the person's involvement in the occurrence in the **Notes** text box.
15. To add a photo of the involved person to the record, click the Add icon  in the image box.
16. Locate the image file in the browser window and click **Open**.
17. Click **OK** to save the involved person's sub-record.

The screenshot shows the 'Add New Record' window for a person's record. The window has a title bar with a green plus icon and the text 'Add New Record'. Below the title bar are 'OK' and 'Cancel' buttons. The main form area contains the following fields and controls:

- Linked Person:** A dropdown menu showing 'Brown, Jeff L' with a green plus icon and a red X icon.
- Employee Number:** A text field containing 'ADMIN-77'.
- Involvement Type:** A dropdown menu showing 'Witness'.
- Employee Status:** A group of checkboxes: 'Employee?' (checked), 'Interviewed?' (checked), 'First Aid Administered?' (unchecked), 'Injured' (unchecked), and 'Person Hospitalized?' (unchecked).
- Personal Information:**
 - Title:** A dropdown menu showing 'Mr.'.
 - First Name:** A text field containing 'Jeff'.
 - Initial:** A text field containing 'L'.
 - Last Name:** A text field containing 'Brown'.
 - Date of Birth:** A date picker showing '26/03/1980'.
 - Designation(s):** A text field.
 - Gender:** A dropdown menu showing 'Male'.
 - Marital Status:** A dropdown menu showing 'Divorced'.
 - Hair Color:** A dropdown menu showing 'Brown'.
 - Eye Color:** A dropdown menu showing 'Blue'.
 - Height:** A text field showing '6' 00"'.
 - Weight:** A text field showing '176 lbs'.
- Notes:** A large text area containing the text: 'The only available witness is Jeff Brown who is seated in the cubicle section (ADMIN-77) three rows over Kathy Howard.'

Add the Involved Person's Clothing Details

1. Open the saved involved person's sub-record.
2. Open the **"Click to Add Clothing Details"** link.
3. Choose the **Clothing Type** and **Color** from the lookup lists.
4. Enter a detailed description of the item in the **Description** box.
5. Click **OK**, and repeat for as many articles of clothing as necessary.

The screenshot shows the 'Add New Record' window with the 'Click to Add Clothing Details' link highlighted. Below the link, there is a section for adding clothing details:

- Clothing Type:** A dropdown menu showing 'Eyewear'.
- Color:** A dropdown menu showing 'Black'.
- Description:** A text area containing the text: 'Black frame eye glasses.'
- Remove:** A button to remove the clothing item.

Record the Involved Person's Sustained Injuries

1. Open the saved involved person's sub-record.
2. Open the **"Click to Add Injury Details"** link.

3. Specify the **Injury Cause** and **Severity**.
4. Include a detailed description of the injury in the **Description** text box.
5. Click **OK**, and repeat for as many injury entities as necessary.

The screenshot shows a window titled "Add New Record" with "OK" and "Cancel" buttons. Below is a section titled "Click To Add Injury Details" with a "Remove" button. It contains two dropdown menus: "Injury Cause" set to "Blunt Force Trauma" and "Severity" set to "Minor". Below these is a text area labeled "Description" containing the text "Hit by a falling book, bruised.".

Flag the Involved Person

1. Open the saved involved person's sub-record.
2. In the **Flags** section, specify the **Status** (i.e., Yes, No, or Unknown) as well as the **Severity** of each flag (e.g., Critical, High, Low). Flags may include such descriptions, as Trespasser, Violent, Infectious, Escapee, Wanted, etc.
3. Enter comments in the **Flag Notes** section.
4. Click **OK**.

The screenshot shows the same "Add New Record" window, but with the "Flags" section expanded. It displays a table of flags with their status and severity. To the right is a text area for "Flag Notes" containing the text "Jeff Brown is the only witness of the incident.".

Description	Status	Severity
W Wanted	Yes	Critical
V Violent	Unknown	
T Trespasser	Yes	Low
I Infectious	No	
R Escapee	No	
A Armed and Dangerous	No	

5. Click **OK** on the activity's form to save the changes made to the record.

Edit Activity: ACT1-2011-000413

Ok Close

General Responses Requests **Involvements** Attachments Assignments

Persons Organizations Vehicles Items

■ Add New ■ Edit ■ Remove ■ Go to

Involved Person: 1

Linked Person	Last Name	First Name	Initial	Involvement Type	Date of Birth	Gender	Employee?	Interviewed?	Notes
Brown, Jeff L	Brown	Jeff	L	Witness	26/03/1980	Male	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	The only avai

Mr. Jeff L Brown


26/03/1980 Male Single

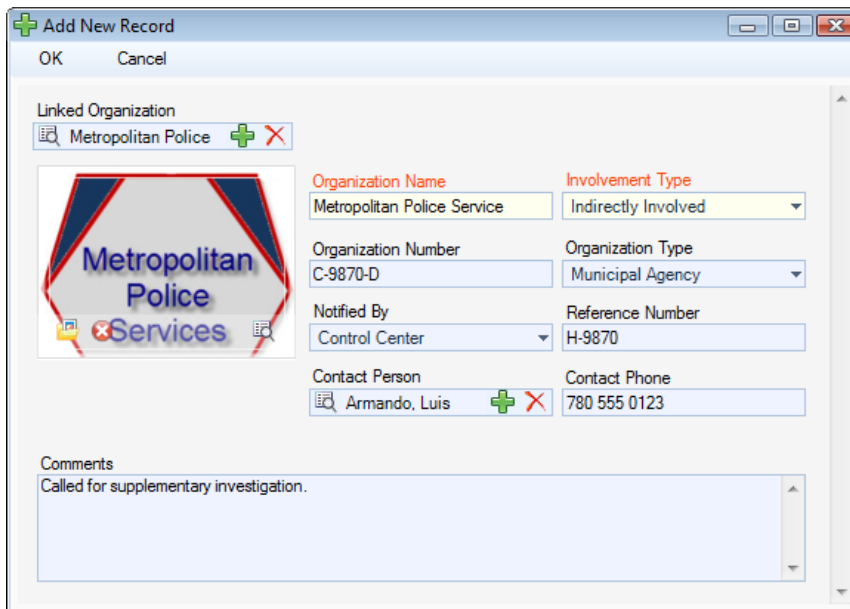
Brown Blue Injuries: 1 Clothing: 1

Witness

Add Organizations Involved in an Activity

1. In order to add an involved organization to an Activity record, double-click the record or select it on the Activities pane and click **Activity Details**.
2. Select the **Involvements** tab.
3. Click the **Organizations** sub-tab.
4. Click **Add New**. A pop-up window will open.
5. Select the involved organization's record from the **Linked Organization** pick list. If an Organization record does not already exist, use the Quick Add function to create one.
 - The **Organization Name** field will now automatically populate with the linked organization's name. Depending on the data available, some additional fields may also populate with information drawn from the linked Organization record.
6. Specify how the organization became involved in the occurrence by selecting a description from the **Involvement Type** lookup list.
7. If applicable, input the organization's file, ID, or other tracking number in the **Organization Number** field.
8. Select an **Organization Type** from the lookup list.
9. Specify the means by which the organization has been notified of the occurrence in the **Notified By** lookup list.

10. If there is any documentation associated with the organization's involvement in the occurrence (e.g., a work order), note the associated tracking number in the **Reference Number** field.
11. Select the name of the organization's primary contact from the **Contact Person** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
12. Enter the contact person's phone number under **Contact Phone**. Ensure that you use a consistent format when entering phone numbers.
13. Enter notes in the **Comments** box.
14. To add the organization's logo to the record, click the Add icon  in the image box.
15. Locate the image file in the browser window and click **Open**.



Add New Record

OK Cancel

Linked Organization

Metropolitan Police

Organization Name: Metropolitan Police Service

Involvement Type: Indirectly Involved

Organization Number: C-9870-D

Organization Type: Municipal Agency

Notified By: Control Center

Reference Number: H-9870

Contact Person: Armando, Luis

Contact Phone: 780 555 0123

Comments: Called for supplementary investigation.

16. Click **OK** on the activity's form to save the changes made to the record.

Ok Close

General Responses Requests **Involvements** Attachments Assignments

Persons Organizations Vehicles Items

Add New Edit Remove Go to

Involved Organizations: 1

Linked Organization	Organization Name	Involvement Type	Organization Number	Organization Type	Notified By	Comments
Metropolitan Police S...	Metropolitan Police S...	Indirectly Involved	C-9870-D	Municipal Agency	Control Center	Called for suppl...

Organization Name: Metropolitan Police Service Contact Phone: 780 555 0123


Reference Number: H-9870 Organization Number: C-9870-D

Organization Type: Municipal Agency Involvement Type: Indirectly Involved

Notified By: Control Center




Add Vehicles Involved in an Activity

1. In order to add an involved vehicle to an Activity record, double-click the record or select it on the Activities pane and click **Activity Details**.
2. Select the **Involvements** tab.
3. Click the **Vehicles** sub-tab.
4. Click **Add New**. A pop-up window will open.
5. Select the involved vehicle from the **Linked Vehicle** pick list. If a Vehicle record does not already exist, use the Quick Add function to create one.
6. The **License Plate** field will now automatically populate with the linked vehicle's license plate number. Depending on the data available, some additional fields may also populate with information drawn from the linked vehicle's record.
7. Indicate how the vehicle became involved in the occurrence by selecting a description from the **Involvement Type** lookup list.
8. Select the most appropriate description of the vehicle's current status from the **Disposition** lookup list (e.g., Seized, Stolen, Released to Owner).
9. Specify the vehicle's **Year**, **Make**, **Model**, **Style**, and **Color**. Your selection in the Model field will depend on the value recorded in the Make field.
10. If known, enter the vehicle's **VIN** and approximate **Vehicle Value**.
11. If the vehicle belongs to your organization, check the **"Company Vehicle?"** box.

12. If known, indicate where the vehicle's license plate is registered in the **Country** and **State/Province** fields.
13. If the vehicle's driver was identified, check the **Driver Identified** box. Then, select the driver's name from the **Vehicle Driver** pick list. If a Person record does not already exist for the individual, use the Quick Add function to create one.
14. Enter any applicable notes under **Comments**.
15. To add a photo of the vehicle to the record, click the Add icon  in the image box.
16. Locate the image file in the browser window and click **Open**.

Add New Record

OK Cancel

Linked Vehicle:  URV-345  

License Plate: URV-345

Involvement Type: Subject

Disposition: Towed/Impounded

Year: 2007

Make: BMW

Style: 2 Door

Model: M3

Color: Green

VIN: 4LUKPI2222M333333




Vehicle Value: \$ 103,250.00 USD

☒ Company Vehicle?

Country: Canada

State/Province: Alberta

☒ Driver Identified

Vehicle Driver's ID:  Brown, Janice L  

Comments: Abandoned on premises. Stolen items found inside.

17. Click **OK** on the activity's form to save the changes made to the record.

Edit Activity: ACT1-2011-000413

Ok Close


General Responses Requests **Involvements** Attachments Assignments

Persons Organizations **Vehicles** Items


[Add New](#)
[Edit](#)
[Remove](#)
[Go to](#)


Involved Vehicles: 1

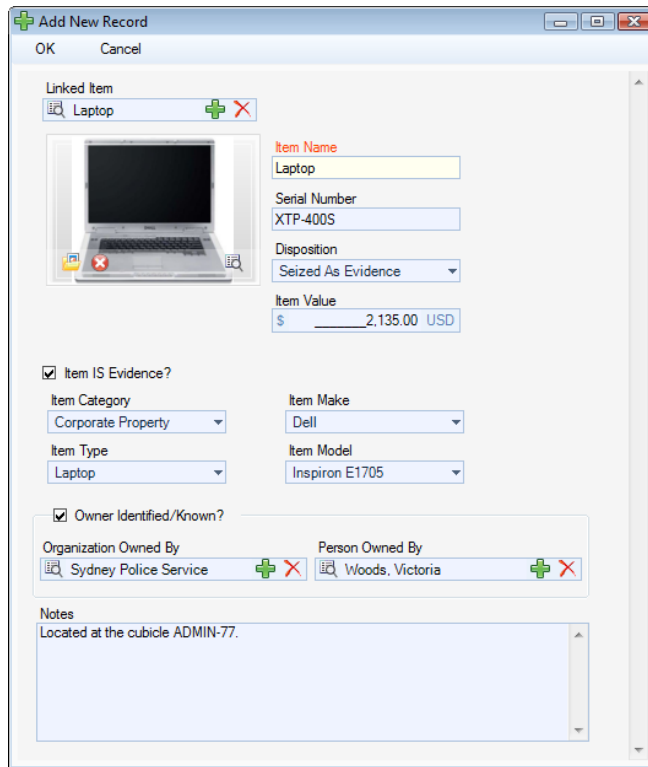
Linked Vehicle	License Plate	Involvement Type	Year	Make/Model	Vehicle Value	Vehicle Driver's ID	Comments
URV-345	URV-345	Subject	2007	BMW/M3	\$ 103,250.00...	Brown, Janice L	Abandoned on p...


 License Plate: URV-345
 Year: 2007
 Involvement Type: Subject
 VIN:
 Style: 2 Door
 Disposition: Towed/Impounded
 Color: Green
 Vehicle Value:
☒ Company Vehicle?
☒ Driver Identified

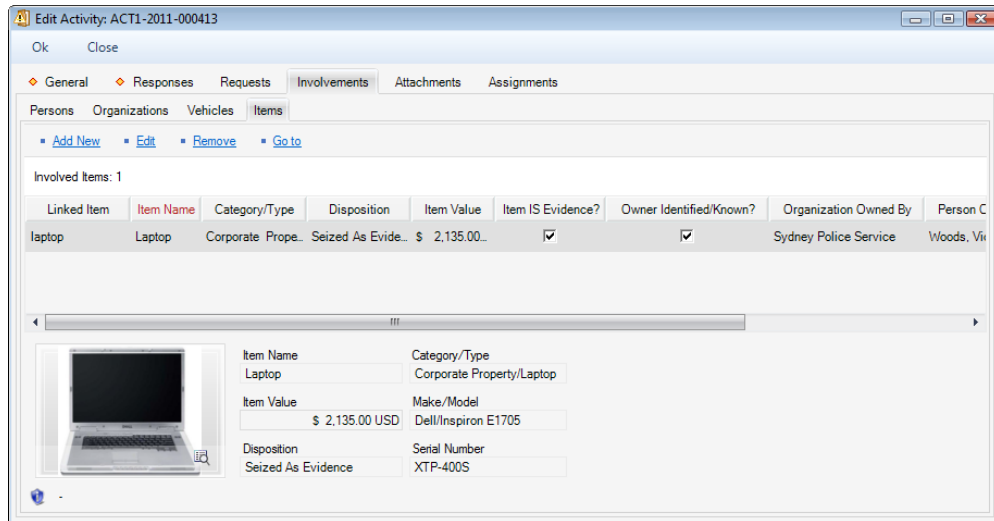
Add Items Involved in an Activity

1. In order to add an involved item to an Activity record, double-click the record or select it on the Activities pane and click  **Activity Details**.
2. Select the **Involvements** tab.
3. Click the **Items** sub-tab.
4. Click **Add New**. A pop-up window will open.
5. Select the involved item's name from the **Linked Item** pick list. If an Item record does not already exist, use the Quick Add function to create one.
 - The **Item Name** field will now automatically populate with the linked item's name. Depending on the data available, some additional fields may also populate with information drawn from the linked item's record.
6. If known, enter the serial or ID number of the item in the **Serial Number** field.
7. Select the most appropriate description of the item's current status from the **Disposition** lookup list (e.g., Seized as Evidence, Destroyed, Returned to Owner).
8. Enter the item's exact or estimated value in the **Item Value** field.
9. If applicable, check the **"Item is Evidence?"** box.
10. Identify the general classification of the item by making selections from the **Item Category** and **Item Type** lookup lists. These fields are hierarchical.
11. Specify the **Item Make** and **Item Model**. These fields are hierarchical.

12. If the item's owner is known, check the **"Owner Identified/Known?"** box. Then, select the name of the organization or person that owns the item from either the **Organization Owned By** or **Person Owned By** pick lists. If an Organization or a Person record does not already exist, use the Quick Add function to create one.
13. Add comments about the item in the **Notes** field.
14. To add a photo of the item to the record, click the Add icon  in the image box.
15. Locate the image file in the browser window and click **Open**.





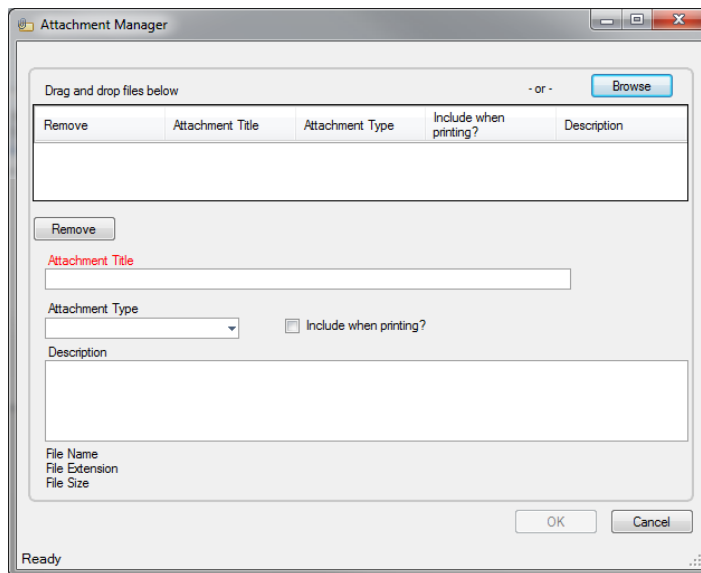
16. Click **OK** on the activity's form to save the changes made to the record.



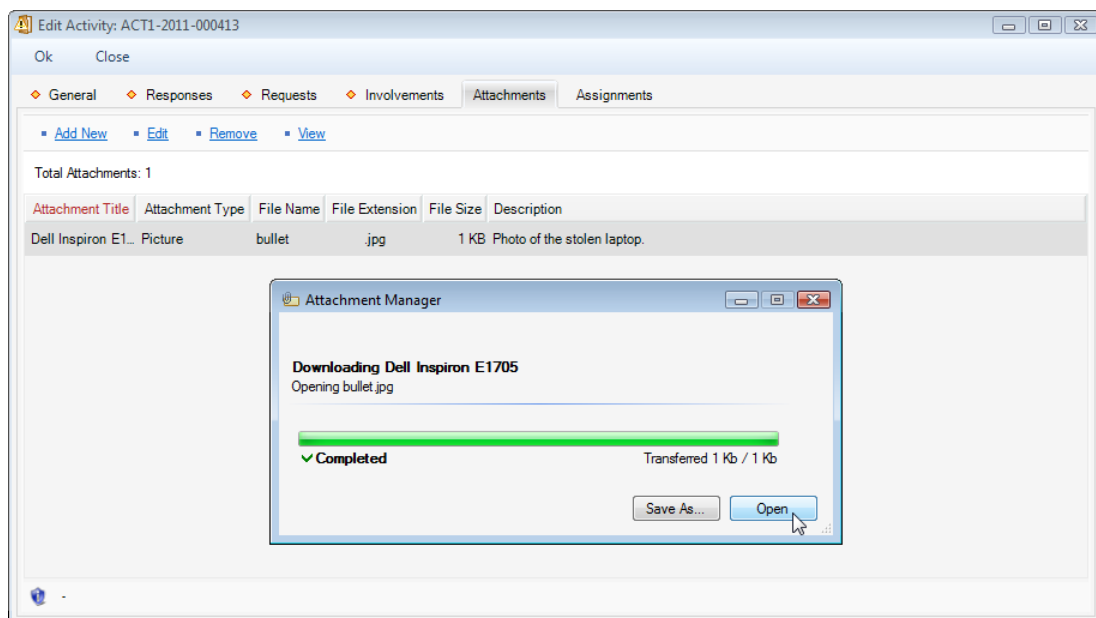
Add an Attachment to an Activity Record

There are three ways to add attachments to an activity. The first way is via the **Activity Details** option, the second way is via the **Attachment** option, and the third way is by dragging a file you want to attach with the mouse to the relevant Activity record. The former option provides an opportunity to view any of the attached files, if required. The latter option is the quickest option, as it immediately transfers you to the step 3, skipping the first two formal steps of the other options.

1. In order to add an image, media file, or a document to an Activity record, select the record on the Activities pane and either click  **Activity Details**, open the **Attachments** tab and click **Add New**, or click  **Attachment**. *If you prefer a quicker option, drag the file you want to attach to the Activity record on the Activities pane.* A pop-up window will open.
2. Add attachments by either dragging and dropping, or clicking **Browse**.
3. For each attachment:
 - a. The **Attachment Title** field will automatically populate with the name of the attached file. If necessary, modify the name.
 - b. From the **Attachment Type** lookup list, select the appropriate designator for the attachment (e.g., Document, Picture, Video, Voice Recording).
 - c. Give an overview of the attachment in the **Description** text box.
 - d. For image files (e.g., .bmp, .gif, .jpg, .png), check the **"Include when Printing?"** box to have a copy of the image included with every print-out of the record.
 - e. Click **Remove** to remove any unwanted attachments.
4. Once finished working with attachments, click **OK**.



5. To preview an attachment, ensure the attachment is highlighted in the grid and click **View**.
6. Once the attachment is loaded, click **Open**. The attachment file will open in a separate window.
7. Close the window to return to the record.



Give an Activity-Related Assignment

1. In order to give an activity-related assignment to another user, select the Activity record on the Activities pane and click  **Activity Details**.

2. Open the **Assignments** tab and click **Add New**. A pop-up window will open.
3. Choose the applicable option from the **Assignment Type** lookup list.
 - By default, your name will appear in the **Assigned By Person** field. If you are not the person who created the assignment, select the applicable person from the pick list.
4. Select the user who must complete the assignment from the **Assigned To Person** pick list.
5. Complete the **Assigned Date**, and enter the date the assignment must be completed under **Due Date**.
6. When the assignment is finished, check the “**Completed?**” box and enter the appropriate date in the **Completed Date** field.
7. Enter notes or instructions in the **Message/Task** text box.
8. Click **OK**. The new assignment will be added to the Assignments grid.

The 'Add New Record' dialog box contains the following fields and values:

- Assignment Type:** Information Request
- Assigned Date:** 19/09/2011 02:45 PM
- Due Date:** 20/09/2011 02:45 PM
- Completed Date:** (empty)
- Assigned By Person:** St. Jean, Clint
- Assigned To Person:** Campbell, Keith
- Completed?:** ☐
- Message/Task:** Background check on Jeff Brown.

9. Click **OK** on the activity's form to save the changes made to the record.

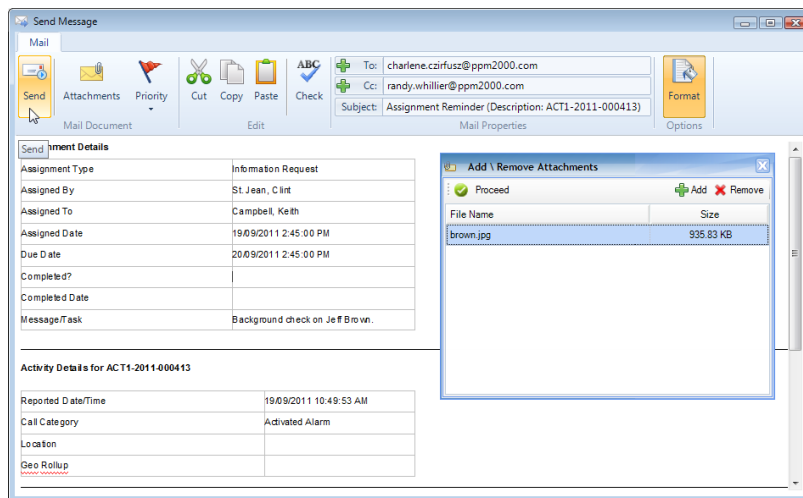
The 'Edit Activity: ACT1-2011-000413' window shows the following assignment table:

Completed?	Assigned Date	Assignment Type	Assigned By Person	Assigned To Person	Message/Task
<input checked="" type="checkbox"/>	19/09/2011	Information Request	St. Jean, Clint	Campbell, Keith	Background che...


At the bottom of the window, the status bar reads: CB: Clint - 19/09/2011 2:48:16 PM - LM: Clint - N/A

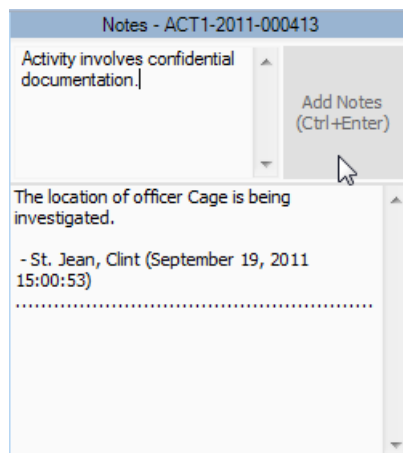
10. To send an email notification of any of the record's assignments, select the specific assignment in the list and click **Notify**. An email message will open that contains the assignment and the activity details.

11. Check the message details, specify the recipients of the message, and add any other information that you think is necessary (e.g., attachments).
12. Click **Send**.




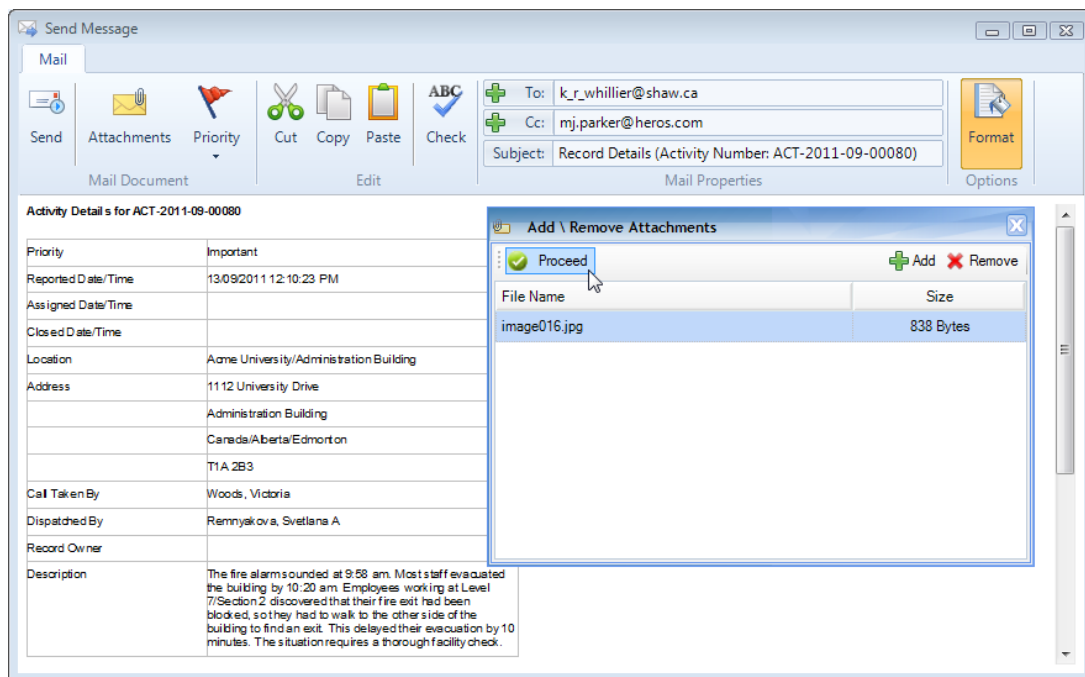
Add Activity Notes

1. Select the Activity record on the Activities pane and click  **Activity Notes** on the toolbar. The Notes pane will expand to the left of the Activities pane.
2. To enter a brief update to the activity's disposition or status, type the notes in the **Notes** text box and click **Add Notes**.
 - Each note entered under the selected activity will be supplied with a date stamp and the user name of the reporting person.
3. To hide the Notes pane, deselect the Activity Notes icon.



Email a Basic Activity Record


1. To email the basic details of an Activity record, select the record on the Activities pane and click  **Mail**. The Send Message screen will appear with the details of the record that have been specified under the General tab. (For details, see [“Create a New Basic Activity Record”](#)).
2. If required, edit the subject and the text of the original message. If you want to format the message details in plain text rather than the default HTML table, unclick the **Format** button. By default, the formatting option is active.
3. Click **Check** to check the spelling of your message.
4. To add an attachment to your email, click **Attachments**. A window will appear where you can add attachments by clicking **Add**, selecting the file you need and clicking **Open**. Click **Proceed** to return to the main message screen.
5. Specify the recipients' email addresses. You may type in a recipient's email address directly into the **To** and/or **CC** fields, or import a contact from Perspective's database by clicking **To** and/or **CC** and selecting a person from the displayed Entity List. The Entity List will be populated with user records that contain an email address with the **Primary Email** box checked.
6. To set a priority for the message you are sending, click **Priority** and select from *High*, *Normal* (default), and *Low* priority options.
7. When finished with editing of your email message, click **Send**.




Delete an Activity Record


1. To delete an Activity record from DispatchLog, select it in the Activities pane and press the **<Delete>** key.
2. Click **OK** when prompted to confirm to completely remove the record from the database.

Schedule an Activity

To create an Activity record for future dispatching (i.e., a scheduled activity), open the **Schedule** tab and click  **Add** on the toolbar. The only difference between creating a new current and a new scheduled activity is the date and time you input as **Reported Date/Time**. In case of the current activity, the date must not be modified, whereas the scheduled Activity record must contain a future date. By default, the Reported Date/Time field of a scheduled Activity record will contain tomorrow's date.


For a full description of the procedures involved in creating a new scheduled Activity record, please, refer to the [“Create and Manage an Activity”](#) chapter. Please note that scheduled activities only contain records of officers' and organizations' responses when they reach the state of a current activity. Until then, they are stored as passive records of activities planned for future dispatching.

To edit a scheduled activity adding supplemental details (such as requests, involvements, attachments, and assignments), select it in the Activities pane and click  **Edit**. The Activity record with the full set of tabs will be displayed.


To copy a scheduled activity, select it in the Activities pane and click  **Copy**. The exact copy of the selected basic Activity record will be displayed for editing. Note that the Copy function does not apply to requests, involvements, attachments, or assignments. To save the copied Activity record under a new number, click **OK**.

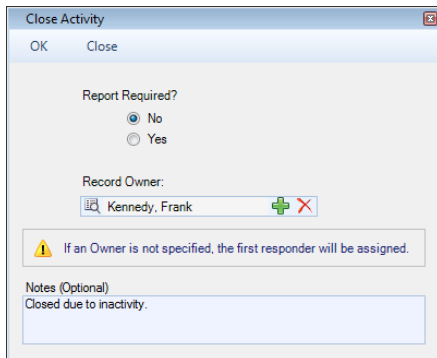
To refresh the view of the scheduled activities list, click  **Refresh**.

As soon as the scheduled activity's Reported Date/Time reaches the current date and time, the Activity record will get transferred to the current Activities list under the **Start** tab. From there, you may dispatch the activity, as described in the [“Dispatch Activities”](#) chapter.

To *make a scheduled activity current immediately*, select it on the Activities pane and click  **Start Now**. The scheduled activity is transferred to the current activities list under the Start tab.

Close an Activity

1. In order to close an activity, select an activity record from the Activities pane and click the **Close** icon . The Close Activity form will open, asking you if a report of the selected activity is required.
2. If the report is required, select **Yes** and specify the **Record Owner**. The latter manipulation determines the amount of detail that will be contained in the report. If no report is required, select **No**.
3. Add **Notes**, as applicable.
4. Click **OK**. Once closed, the whole activity record will be transferred to the Perspective's **Activities** database found in the Data Forms.



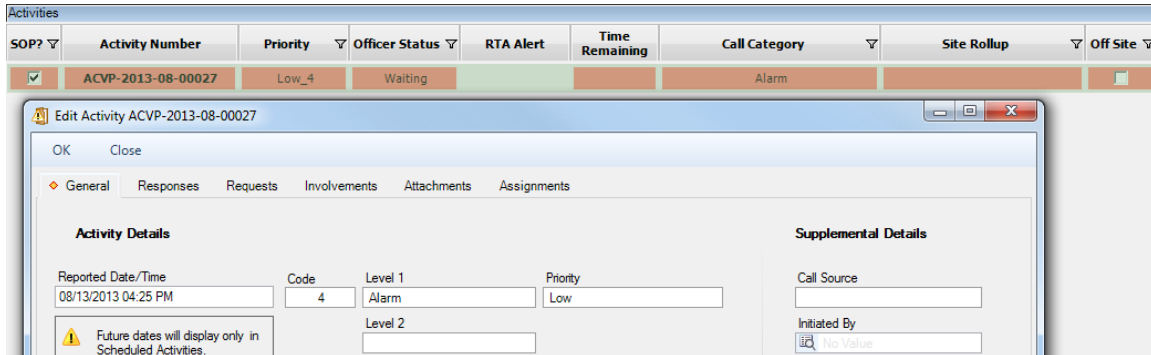
The image shows a 'Close Activity' dialog box with a title bar containing 'Close Activity' and standard window controls. Below the title bar are 'OK' and 'Close' buttons. The main area contains the following elements:

- Report Required?**: Two radio buttons, 'No' (selected) and 'Yes'.
- Record Owner:**: A text field containing 'Kennedy, Frank' with a search icon on the left and '+' and '-' icons on the right.
- Warning message**: A yellow warning icon followed by the text 'If an Owner is not specified, the first responder will be assigned.'
- Notes (Optional)**: A text area containing the text 'Closed due to inactivity.'



Dispatch Activities

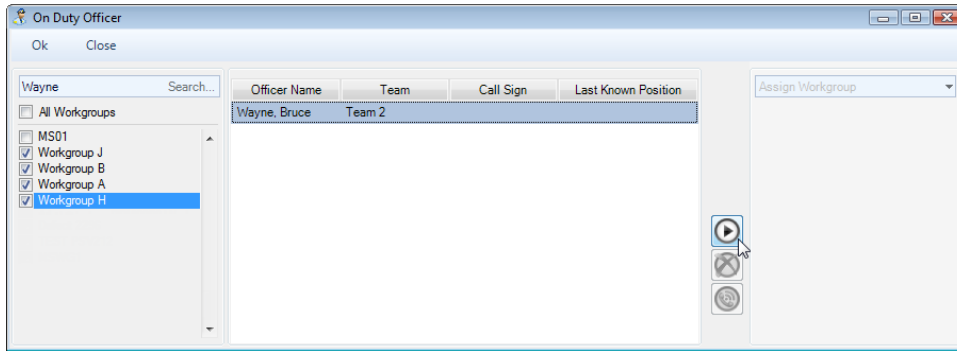
The following sections explain how to perform dispatching activities.

Before going further in this chapter, please note that users are unable to make changes to an activity if another user is currently editing it; however, it can still be viewed in read-only mode. An activity that is currently being modified is highlighted in red.

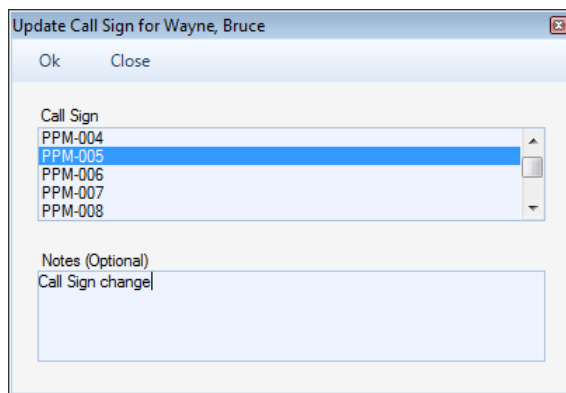




Bring an Officer On Duty

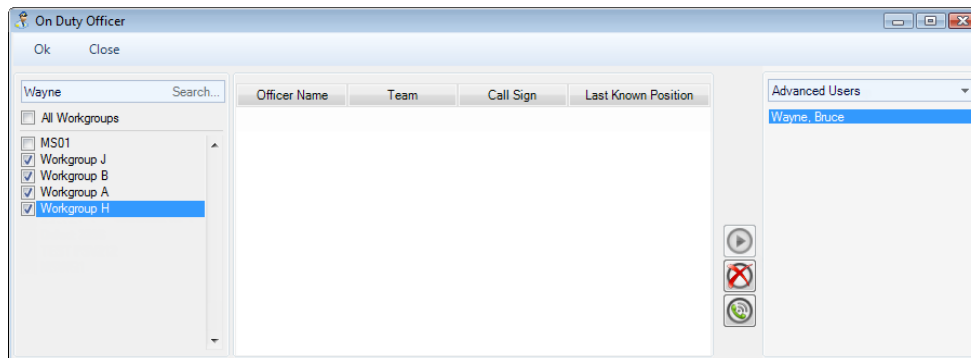
1. Click  **On Duty** on the toolbar. A pop-up window will appear.
2. Enter the name of the officer you would like to bring on duty in the **Search** field. To display all available officers, leave the Search field blank.
3. Restrict your search by selecting the specific workgroup(s) the officer is associated with. Otherwise, check **All Workgroups** to search the whole database.
4. Click **Search**. The middle pane will display a list of officers that correspond to the criteria.
5. Select the officer you want to bring on duty from the list in the middle pane.
6. Click the arrow button  to transfer the selected Officer record to the on duty list displayed on the right pane of the window. At the same time, the Available pane on the main DispatchLog window will update with the new Officer record too. The status of the officer who has been newly brought on duty will be set to *Available*. A pop-up window will appear suggesting to update the officer's Call Sign.



7. Select the required officer's **Call Sign** from the list and enter the appropriate **Notes**.
8. Click **OK** to complete the operation.




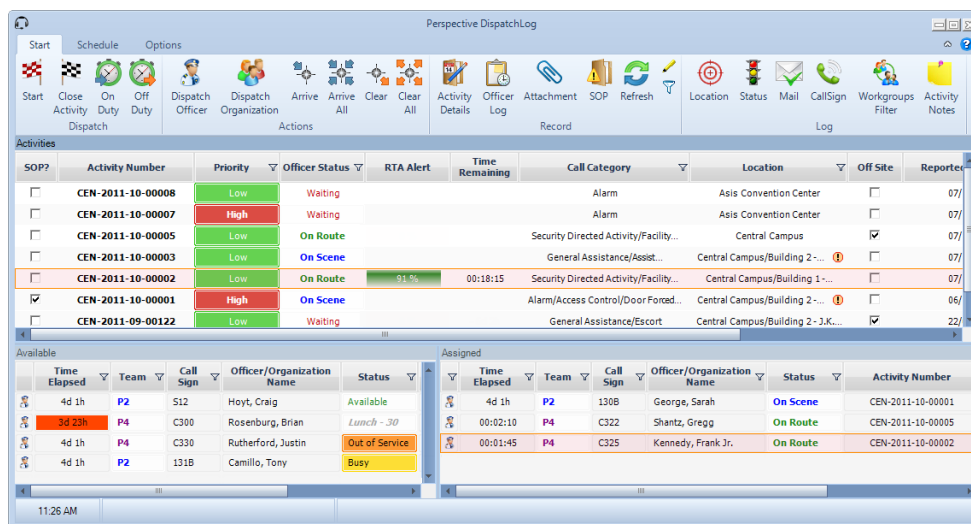
9. Optionally, continue to bring more officers on duty repeating the previous steps, change their Call Signs by clicking the call sign update button , or delete some officers from both the on duty list and the Available pane by clicking the delete button .
10. If required, assign the officer displayed on the right pane to a workgroup outside of the officer's working area, selecting the workgroup's name from the lookup list above.
11. Click **OK** to return to the main DispatchLog window.



Note: If two Dispatchers try to assign the same Officer to an Activity, the second Dispatcher to attempt this will be notified that the Officer is already on duty.

Dispatch an Officer for an Activity

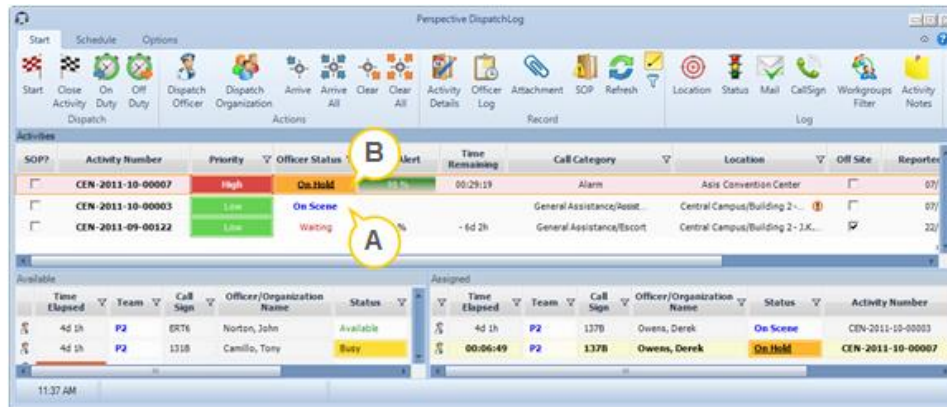
1. Select an Activity record from the Activities pane.
2. On the Available pane, select an officer that you want to dispatch for the selected activity and click  **Dispatch Officer** on the toolbar. Alternatively, drag the Officer record from the Available pane to the Activity record.
3. The Officer record will move from the Available pane to the Assigned pane and will be supplied with the relevant dispatch **Activity Number**. The **Time Elapsed** cell on the Assigned pane will start counting the time the officer has been registered in the *On Route* status. The Activity record will also be updated with the dispatched **Officer Status**.



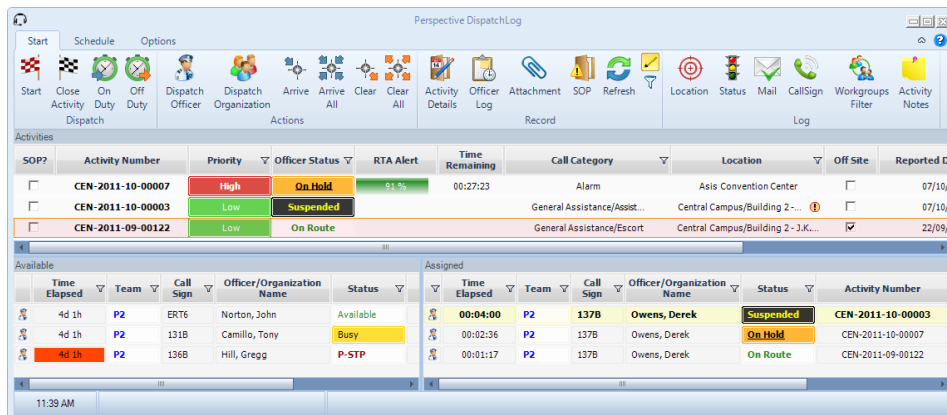
Dispatch an Officer for Multiple Activities

If you need to dispatch an officer that is currently involved in an activity (Activity A) for their next activity (Activity B), follow the steps described below:

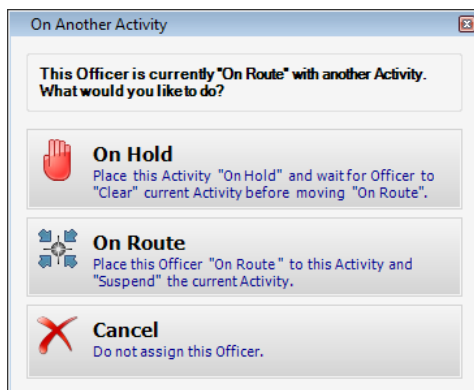
1. Drag the Officer record from the Assigned pane to the Activity B entry on the Activities pane.
2. If the officer is *On Route* or *On Scene* with Activity A, a dialog box will be displayed where you will have to decide between the following options:
 - **On Hold:** Wait for the officer to be cleared of Activity A before moving *On Route* with Activity B and temporarily place Activity B *On Hold*. In this case, a second record for the same officer will be created for Activity B in the Assigned pane with the *On Hold* status. When the officer is cleared from Activity A, the Officer record for Activity A will disappear from the Assigned pane and the Activity B Officer record will be automatically transferred to *On Route*.



- **On Route:** Suspend the officer's involvement with Activity A and place them *On Route* for Activity B. In this case, the Activity A Officer record will be transferred to the *Suspended* status and a double record for the same officer for Activity B will be created with the *On Route* status. When the officer is cleared from Activity B, the Officer record for Activity B will disappear from the Assigned pane and the Activity A Officer record will be automatically transferred to *On Route*.







- **Cancel:** Cancel the dispatch action and leave the officer's involvements unchanged.

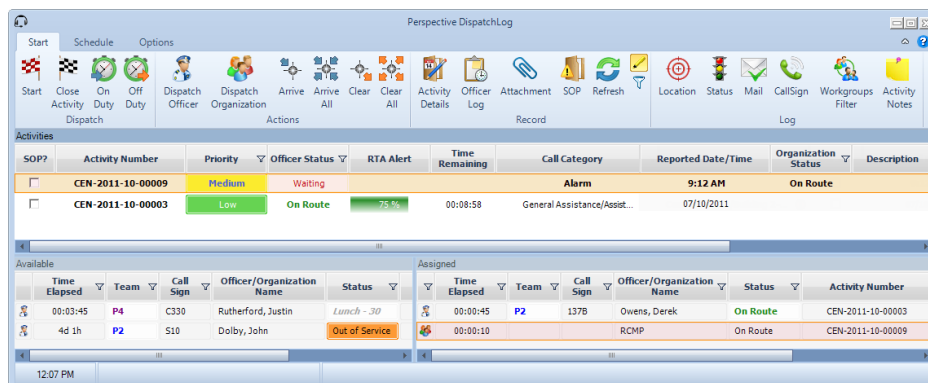


- Following the patterns and status modification principles described above you may dispatch one officer for as many consecutive activities as necessary.

Note: The Activity record only captures the status of the Organization record that was dispatched last.

Dispatch an Organization for an Activity

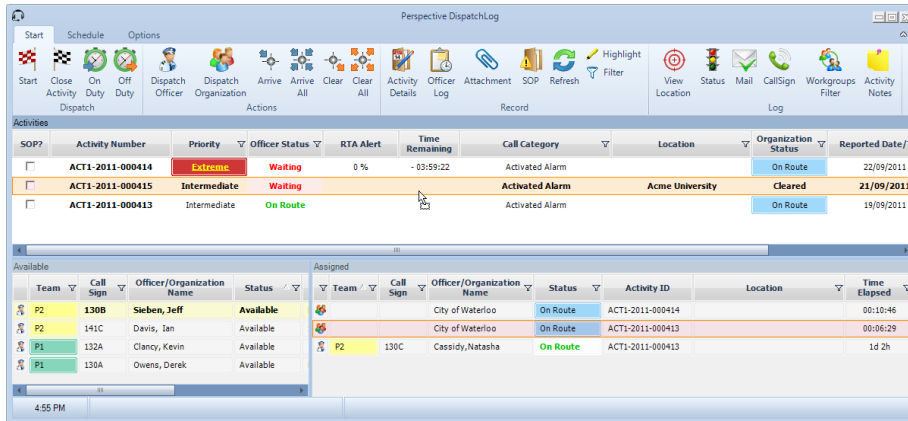
1. Select an Activity record from the Activities pane.
2. Click  **Dispatch Organization** on the toolbar. An Entity List window will appear.
3. Click the green arrow icon  to display all the Organization records available in Perspective's database, or enter the name of the organization in the search field and click the checkmark icon  to display just the Organization records that correspond to the search word entered. Alternatively, if the entity you are looking for does not have an existing record, you may use the pick list's Quick Add function to create one.
4. Select the Organization record you want to dispatch for the activity and click **Select** .
5. The dispatched Organization record will be added to the Assigned pane supplied with the relevant dispatch **Activity Number**. The **Time Elapsed** cell in the Assigned pane will start counting the time the organization has been registered in the *On Route* status. The Activity record will also be updated with the dispatched organization's status.




Dispatch an Organization for Multiple Activities


If you need to dispatch an organization that is currently involved in an activity (Activity A) for their next activity (Activity B), drag the Organization record from the Assigned pane to the Activity B entry on the Activities pane. An additional *On Route* Organization entry will be created for Activity B on the Assigned pane. You may dispatch an organization for as many activities as necessary, keeping track of all the separate dispatches with the help of the Assigned pane.

Note: The Activity record only captures the status of the Organization that was dispatched last.




Update an Officer's/Organization's Status


1. Select an Officer/Organization record from either the Available or the Assigned pane.
Note: "Suspended" and "On Hold" records cannot undergo a status change.
2. Click the **Status** icon  on the toolbar. An Update Status form will open.
3. Select the new **Status** for the selected officer/organization from the lookup. The choices available in the lookup will depend on the officer's/organization's current status. For instance, an "available" officer may be assigned the "Busy" or the "Out of Service" status, while an "on route" officer's status may be changed to "On Scene" or "On Hold".
4. Optionally, enter a short explanation of the status change under **Notes**.
5. To confirm the change, click the **OK** button. The status change will be reflected in the entity's entry on the Assigned pane.

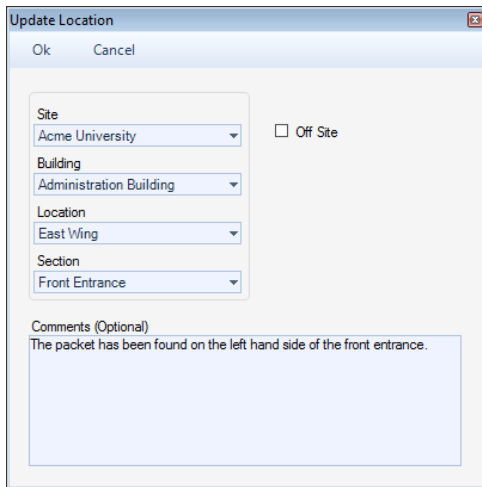
You may allocate some statuses with the help of special toolbar icons. For instance, you may update an officer's/organization's status to "On Scene" by selecting their entry on the Assigned pane and clicking the **Arrive** icon  on the toolbar.

Note: You may only "arrive" officers/organizations if their current status is "On Route".


To "arrive" all "On Scene" officers and organizations dispatched for a specific activity, select the Activity record on the Activities pane and click the **Arrive All** icon  on the toolbar.

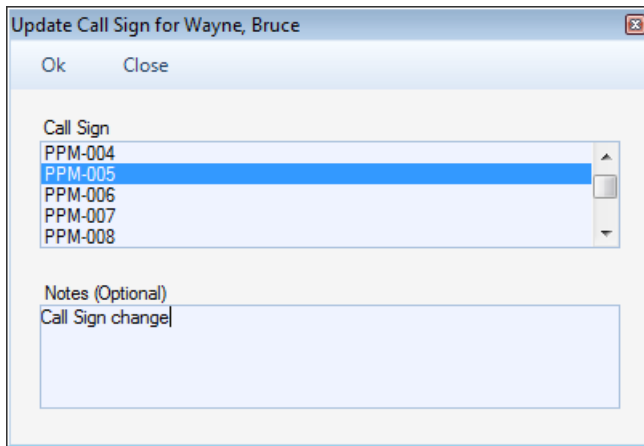
View or Update an Officer's/Organization's Location

1. Select an Officer/Organization record from either the Available or the Assigned pane.
2. Click the **Location** icon  on the toolbar. An Update Location form will open, displaying the current officer's/organization's location.
3. Select the new location specifications from the **Site**, **Building**, **Location**, and **Section** lookups. If the new location is off-site, check the **Off Site** box.
4. Optionally, enter a short explanation of the location change or a description of the particular location under **Notes**.
5. To confirm the change, click the **OK** button. The corresponding record will update with the new information.



Update an Officer's Call Sign



1. Select an Officer record from either the Available or the Assigned pane.
2. Click the **Call Sign** icon  on the toolbar. An Update Call Sign form will open.
3. Select the new **Call Sign** for the selected officer from the list of the available abbreviations.
4. Optionally, enter a short explanation of the call sign change under **Notes**.
5. To confirm the change, click the **OK** button. The corresponding record will update with the new information.




Clear an Officer/Organization from an Activity

1. To clear an officer/organization from an activity when their involvement with the activity is complete, first select the Officer/Organization record on the Assigned pane.

Note: Only “On Scene” records can be cleared.

2. Click the **Clear** icon  on the toolbar. The cleared officer/organization will be placed back to the Available pane. The Activity record will update its corresponding officer/organization status to “Cleared” only if there are no other officers/organizations that have not been cleared from the activity yet.
3. To clear all “On Scene” officers and organizations dispatched for a specific activity, select the Activity record on the Activities pane and click the **Clear All** icon  on the toolbar.

Bring an Officer Off Duty

1. Select an officer you want to bring off duty on the Available pane.
2. Click  **Off Duty** on the toolbar.
3. In the confirmation pop-up window, click **Yes**. The officer will be removed from the Available pane.

System values

The following Activity Statuses are considered System values (i.e., they cannot be deleted):

- **Available:** Applies to Officers and denotes the associated Officer is available for assignment.

- **Busy:** Applies to Officers and denotes the associated Officer is on duty, but currently "busy" and cannot be assigned at this time.
- **Cleared:** Applies to Activities and denotes the assigned Officer(s) have been cleared and the associated Activity may be marked as Closed.
- **Closed - No Report:** Applies to Activities and denotes the associated Activity is closed with no report required.
- **Closed - Report Completed:** Applies to Activities and denotes the associated Activity was open, then had a report completed, causing it to close.
- **On Hold:** Applies to both Officers and Activities; denotes the assigned Officer considers the Activity "on hold" while the Officer completes his or her current assignment. This is considered a "temporary" status.
- **On Route:** Applies to both Officers and Activities; denotes the associated Officer is on route to the site of an assigned Activity.
- **On Scene:** Applies to both Officers and Activities; denotes the associated Officer is at the site of an assigned Activity.
- **Open - Report Required:** Applies to Activities and denotes the associated Activity requires a report to be completed. The Activity status can only be move to Closed either once a report is complete (i.e., **Closed – Report Completed**), or a report is no longer required (i.e., **Closed – No Report**).


Note: To note an Activity's state further than Open or Closed, use Activity Disposition Lookup values.

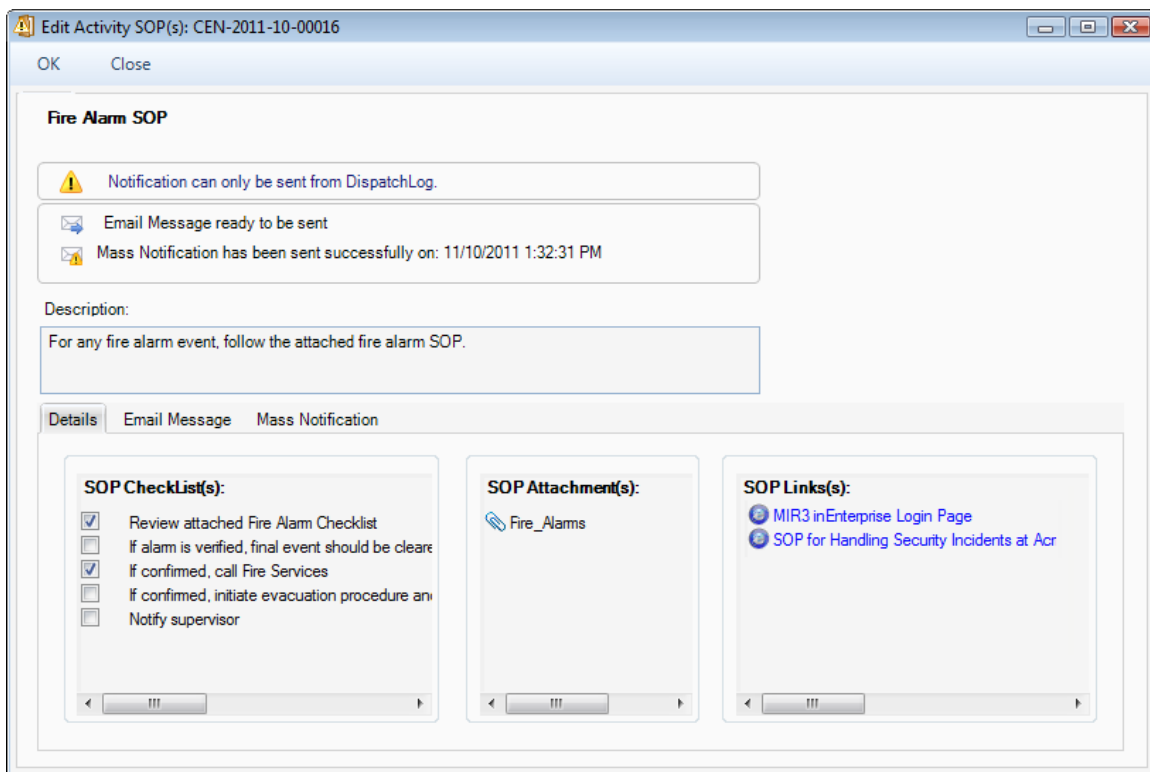
- **Out of Service:** Applies to Officers and denotes the associated Officer is considered "out of service" an unavailable in the field for any assignment.
 - **Suspended:** Applies to both Officers and Activities; denotes the assigned Officer was either On Route or On Scene, and was reassigned before the former Activity was cleared. The response is considered "suspended" until the officer is assigned. Once that happens, the suspended response is then cleared. This is considered a "temporary" status.
4. **Waiting:** Applies to Activities and denotes a new Activity awaiting an Officer assignment.

Additional Organizational Functions

Review Activity's Standard Operating Procedures

If you create or edit an activity that has been supplied with embedded SOP (Standard Operating Procedures) specifications (e.g., an Emergency activity at Site A that codes as an Extremely Important activity), the SOP window will open automatically for you to track or edit the completion of the procedures immediately. However, if you want to review the procedures at any other time, you can do so manually. For the SOP option to be active for an activity, the **SOP** box for the Activity record must be checked on the Activities pane.


1. To review an activity's Standard Operating Procedures, edit the SOP Checklist and/or send out individual email or mass notifications containing the activity's details, and click  **SOP** on the toolbar. The Edit Activity SOP(s) window will open with the selected activity's Description. If notifications have been sent for the activity, the form will contain notes with the dates of the last activity notifications.
2. Check off the SOP procedures that have been completed under **SOP Checklist(s)**.
3. View the **SOP Attachment(s)** by double-clicking on the relevant attachment names.
4. Click on the individual **SOP Link(s)** to open the related network locations, files, or Web links.





Edit Activity SOP(s): CEN-2011-10-00016

OK Close

Fire Alarm SOP

 Notification can only be sent from DispatchLog.

 Email Message ready to be sent

 Mass Notification has been sent successfully on: 11/10/2011 1:32:31 PM

Description:


For any fire alarm event, follow the attached fire alarm SOP.

Details Email Message Mass Notification



SOP Checklist(s):

- ☒ Review attached Fire Alarm Checklist
- ☐ If alarm is verified, final event should be cleared
- ☒ If confirmed, call Fire Services
- ☐ If confirmed, initiate evacuation procedure and
- ☐ Notify supervisor

SOP Attachment(s):

 Fire_Alarms

SOP Links(s):

-  MIR3 inEnterprise Login Page
-  SOP for Handling Security Incidents at Acr

5. If no email notification has been sent yet, you can send individual email notifications from the **Email Message** tab. Specify **To** and/or **Cc** recipients of the notification, edit the **Subject** of the notification and the standard notification **Message**, and click **Send**. The form will capture the date and time the notification was sent.

The screenshot shows the 'Email Message' tab selected. It features a 'Send' button with an envelope icon. The 'To' field contains 'brian@ppm2000.com'. The 'Cc' field is empty. The 'Subject' field contains 'Fire Alarm'. The 'Message' field contains the text: 'A confirmed fire event has occurred at this site. Please authorize emergency evacuation procedure.'

6. If no mass notification has been sent yet, you can send a mass notification from the **MIR3** tab using the MIR3SM inEnterpriseTM mass notification tool. Review the details of the mass notification and click **Send**. Each mass notification activity will be recorded under the **Recipients** grid. The form will capture the date and time the mass notification was sent, as well as the total number of recipients, and contacted and responded individuals. To refresh the common database of notifications for the selected activity, click **Refresh**.

The screenshot shows the 'Mass Notification' tab. It includes a 'Report Summary' section with the following details:

Title:	Harper Building Evacuation one Time:	0	Status:	INITIATED
Initiated By:	Emergency Notification	Expedited Delivery:	STANDARD	Issued:
Type:	BROADCAST	Report ID:	8516016	Completed:

A 'Refresh' button is located to the right of the report summary. Below this is the 'Message Content' section with a 'Message' field containing: 'There is an emergency situation in progress at the Harper Building in the Central Campus (1865 105 Avenue). For your safety please immediately evacuate the building and surrounding area.' and a 'Response' field containing: 'I am safely clear of the building. I am exiting the building now. Help. I am unable to exit the building.'

To the right of the message content is a 'Statistics' section:


Total Recipients:	10
Total Contacted:	10
Total Responded:	0

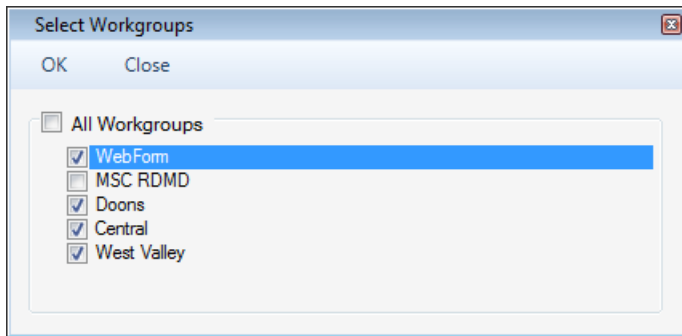
At the bottom is the 'Recipients' grid:

Name	Issued	Responded	Device	Status
Duliba, Daryn	11/10/2011 1:32:		Daryn.Duliba@pp	EMAIL_SENT
Fernandes, John	11/10/2011 1:32:		John.Fernandes	EMAIL_SENT
Kennedy, Frank	11/10/2011 1:32:		Frank.Kennedy@	EMAIL_SENT
Marsh, Lee	11/10/2011 1:32:		Work Email	EMAIL_SENT
Sieben, Jeff	11/10/2011 1:32:		Jeff.Sieben@ppm	EMAIL_SENT



7. To save the changes made to the SOP form, click **OK**.

Display Activities Filtered by a Workgroup

By default, the Activities pane displays Activity records for all workgroups. To filter the records for specific groups only, click the **Workgroups Filter** icon  on the toolbar and select only the workgroups for which you want to display the activities. Click **OK** to confirm your choice.



Highlight Dispatched Officers/Organizations for Activities and Vice Versa

1. To review the officers/organizations assigned to a specific activity, select the corresponding Activity record on the Activities pane and click the **Highlight** icon . All the dispatched officers/organizations that are related to the selected activity will be highlighted on the Assigned pane.
2. To review the activities assigned to a specific officer/organization, select the corresponding Officer/Organization record on the Assigned pane and click the **Highlight** icon . All the activities that are related to the selected officer/organization will be highlighted on the Activities pane.
3. To cancel the highlight, deselect the Highlight icon.

Perspective DispatchLog

Start Schedule Options

Start Close Activity Dispatch On Duty Off Duty Dispatch Officer Dispatch Organization Arrive Arrive All Clear Clear All Activity Details Officer Log Attachment SOP Refresh Location Status Mail CallSign Workgroups Filter Activity Notes

Activities

SOP?	Activity Number	Priority	Officer Status	RTA Alert	Time Remaining	Call Category	Location	Off Site	Reported Date
<input checked="" type="checkbox"/>	CEN-2011-10-00016	Low	Waiting	0 %		Alarm/Fire/Pull Station	Central Campus	<input type="checkbox"/>	1:31 PM
<input type="checkbox"/>	CEN-2011-10-00015	Low	Waiting			Security Directed...		<input type="checkbox"/>	1:27 PM
<input type="checkbox"/>	CEN-2011-10-00008	Low	On Hold	98 %	00:29:19	Alarm	Asis Convention Center	<input type="checkbox"/>	07/10/20
<input type="checkbox"/>	CEN-2011-10-00007	High	Cleared			Alarm	Asis Convention Center	<input type="checkbox"/>	07/10/20
<input type="checkbox"/>	CEN-2011-10-00005	Low	On Route			Security Directed Activity/Facility...	Central Campus	<input checked="" type="checkbox"/>	07/10/20
<input type="checkbox"/>	CEN-2011-10-00003	High	On Scene			General Assistance/Assist...	Central Campus/Building...	<input type="checkbox"/>	07/10/20
<input type="checkbox"/>	CEN-2011-09-00152	Low	On Scene			General Assistance	Central Campus	<input type="checkbox"/>	23/09/20

Available


Time Elapsed	Team	Call Sign	Officer/Organization Name	Status
01:42:06	P2	S12	Hoyt, Craig	Available
02:05:52	P2	130B	George, Sarah	Available
02:05:56	P4	C325	Kennedy, Frank Jr.	Available
02:06:01	P2	143B	Holland, Maximus	Available
02:06:57	P4	C330	Rutherford, Justin	Lunch - 30
01:41:09	P2	135B	Faulds, Ian	Available
01:42:01	P2	S10	Dolby, John	Out of Service

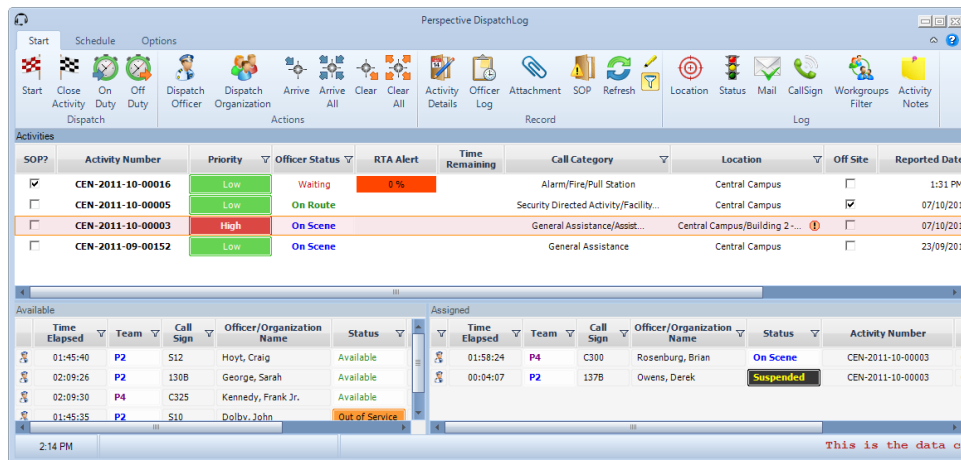
Assigned

Time Elapsed	Team	Call Sign	Officer/Organization Name	Status	Activity Number
01:54:50	P4	C300	Rosenburg, Brian	On Scene	CEN-2011-10-00003
02:46:35	P4	C322	Shantz, Gregg	On Route	CEN-2011-10-00005
02:08:36	P2	177B	Duorov, Alex	On Scene	CEN-2011-09-00152
00:00:33	P2	137B	Owens, Derek	Suspended	CEN-2011-10-00003
00:00:40	P2	137B	Owens, Derek	On Hold	CEN-2011-10-00008
00:00:33	P2	137B	Owens, Derek	On Route	CEN-2011-10-00015



2:10 PM

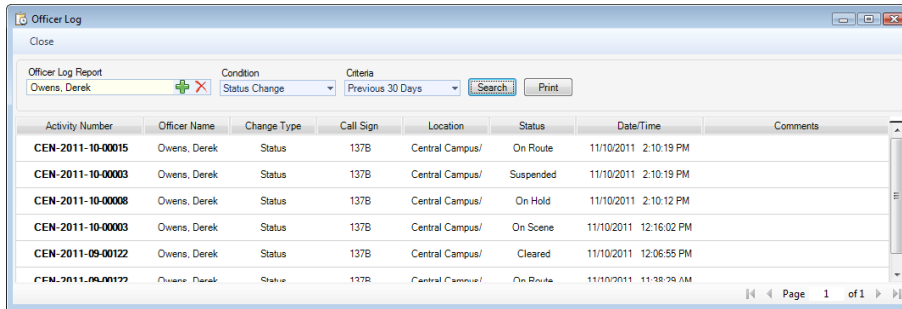
Filter all Dispatched Officers/Organizations for One Activity

1. To display a list of officers/organizations assigned to a specific activity only, select the corresponding Activity record on the Activities pane and click the **Filter** icon . Only the dispatched officers/organizations that are related to the selected activity will be displayed in the Assigned pane.
2. To cancel the filter, deselect the Filter icon.



View a Complete Officer Log

1. To view a complete log of activities recorded for a specific officer in the DispatchLog database, select an officer from one of the DispatchLog panes and click the **Officer Log** icon  on the toolbar.
2. If you do not select a specific officer, you will have to specify the officer in the **Officer Log Report** field by clicking the Add icon .
3. From the Entity List, select the officer for which you would like to view the activity log.
4. In order to display one type of the log records (e.g., Location Change, Status Change, or Call Sign Change), select the type from the **Condition** lookup.
5. To view the log records that correspond to a particular time period, select the desired time label from the **Criteria** lookup.
6. Click **Search**. The viewing pane will populate with the log records that conform with the search criteria. A typical record contains specifications of the activity number, officer's name, activity-related change type (e.g., On Duty, Call Sign, Location, Status), call sign, location, status, time, and may/may not have a note that explains the record's change.
7. Click **Print** to print the displayed officer log.



The screenshot shows a window titled "Officer Log" with a "Close" button. Below the title bar, there is a search area with "Officer Log Report" and "Owens, Derek" entered. To the right are dropdowns for "Condition" (Status Change) and "Criteria" (Previous 30 Days), along with "Search" and "Print" buttons. The main area contains a table with the following data:




Activity Number	Officer Name	Change Type	Call Sign	Location	Status	Date/Time	Comments
CEN-2011-10-00015	Owens, Derek	Status	137B	Central Campus/	On Route	11/10/2011 2:10:19 PM	
CEN-2011-10-00003	Owens, Derek	Status	137B	Central Campus/	Suspended	11/10/2011 2:10:19 PM	
CEN-2011-10-00008	Owens, Derek	Status	137B	Central Campus/	On Hold	11/10/2011 2:10:12 PM	
CEN-2011-10-00003	Owens, Derek	Status	137B	Central Campus/	On Scene	11/10/2011 12:16:02 PM	
CEN-2011-09-00122	Owens, Derek	Status	137B	Central Campus/	Cleared	11/10/2011 12:06:55 PM	
CEN-2011-09-00122	Owens, Derek	Status	137B	Central Campus/	On Route	11/10/2011 11:38:28 AM	

At the bottom right of the table, it says "Page 1 of 1".

Clone Activities and Resources

The functions of cloning activities and resources have been designed to help the dispatcher in viewing large volumes of data. "Cloning" in the case of a pane included in the DispatchLog interface means displaying the pane in a separate window for convenient filtering, highlighting, and further manipulation.

Note: Cloning activities or resources means displaying both scheduled and current activities, and both assigned and available officers and organizations in the same list.

- To clone activities, click **Clone Activities** . The details of the Activity records cloned in the separate pane will include the following: the *SOP?*, *Off Site* and *Scheduled Enabled* (checked, if the activity is a scheduled activity) checkboxes, *Activity Number*, *Priority*, the last *Officer* and *Organization Statuses*, *Time Remaining*, *Call Category*, *Location*, *Reported Date/Time*, *Notes*, *Description*, *Call Taken By*, *Call Source*, *Address*, *Postal Code*, *Site Notes*, *Initiated By*, *Dispatched By*, and *Contact Number*.
- To clone resources, click **Clone Resources** . The details of the Officer and Organization records cloned in the separate pane will include the following: *Entity Type* (Officer/Organization), *Team*, *Call Sign*, *Officer/Organization Name*, *Status*, *Activity Number*, *Location*, *Start Date/Time*, *Arrived Date/Time*, *Assigned Date/Time*, and *Notes*.
- You may filter, sort, and dock the cloned panes into the DispatchLog screen together with the rest of the panes under the Start or the Schedule tab.
- To display fewer details in a cloned pane, click the vertical gray arrow button located to the left of the pane. Here you may select specific columns for display, select, or deselect all of them. You may also rename the pane, or cancel the filters previously applied to columns.
- To reset to the default view, click the **Reset View** icon  on the DispatchLog toolbar.

The screenshot shows a software interface titled "Activities for Owens". On the left is a sidebar with various filters: SOP?, Scheduled Enabled, Activity Number, Priority, Officer Status, Time Remaining, Call Category, Location, Off Site, Reported Date/Time, Organization Status, and Notes. The main area is a table with columns: Scheduled Enabled, Activity Number, Officer Status, Time Remaining, Call Category, Location, Call Taken By, and Address. The table contains four rows of data. A "Clear Filter" dialog box is open on the right, showing a list of items with checkboxes: (All), (Blanks), Kennedy, Frank, Owens, Derek, and Thiessen, Ryan. The "Owens, Derek" item is checked.

Scheduled Enabled	Activity Number	Officer Status	Time Remaining	Call Category	Location	Call Taken By	Address
<input checked="" type="checkbox"/>	CEN-2011-10-00013	Waiting		Security Directed Activity/Facility...	South Centering	Owens, Derek	
<input checked="" type="checkbox"/>	CEN-2011-10-00012	Waiting		Security Directed Activity/Facility...	South Centering	Owens, Derek	
<input type="checkbox"/>	CEN-2011-10-00011	Waiting		Security Directed Activity/Facility...	South Centering	Owens, Derek	
<input type="checkbox"/>	CEN-2011-10-00014	Waiting	- 02:39:50	Lost & Found/Lost Property/Personal...	150 King Str	Owens, Derek	
<input type="checkbox"/>	CEN-2011-10-00003	On Scene		General Assistance/Assist...	Campus/Build...	Owens, Derek	

Perspective Visual Analysis

Welcome to Perspective Visual Analysis™, an optional component of Perspective by PPM. Perspective not only records and tracks incident data, but assesses and analyzes it to chart trends and report statistics. Visual Analysis complements Perspective by enabling it to render data relationships into powerful visual elements.

The resulting visual data can be easily analyzed and interpreted, bringing clarity to complex investigations and scenarios. Seemingly unrelated events are mapped, and new connections are found. Perspective Visual Analysis significantly increases the productivity of your investigators saving time and resources along the way.

Use Visual Analysis to Build a Link Chart

Using dynamic link analysis, Perspective Visual Analysis reveals the complex, and seemingly disparate, associations hidden amidst hundreds, even thousands, of incidents, cases, items, persons, organizations and vehicles.


The complex relationships that exist between your data are mapped in easy-to-read link charts. You can zero in on specific information, or keep expanding the web until all avenues have been explored. To save, print, or copy your link charts, transfer them into **IBM i2 ChartReader** and continue to view the associations in your Perspective data.

Perspective Visual Analysis was developed in an exclusive partnership between PPM 2000 and IBM i2—the world's leading provider of Visual Investigative Analysis software for law enforcement, intelligence, military, and Fortune 500 organizations. All of the visualizations created in Perspective Visual Analysis can be carried into IBM i2 applications, including **Analyst's Notebook**. From there, you can connect to other databases in your organization for advanced analysis and in-depth visual analytics.

For more information on IBM i2 products, or to download i2 ChartReader, visit the following links:

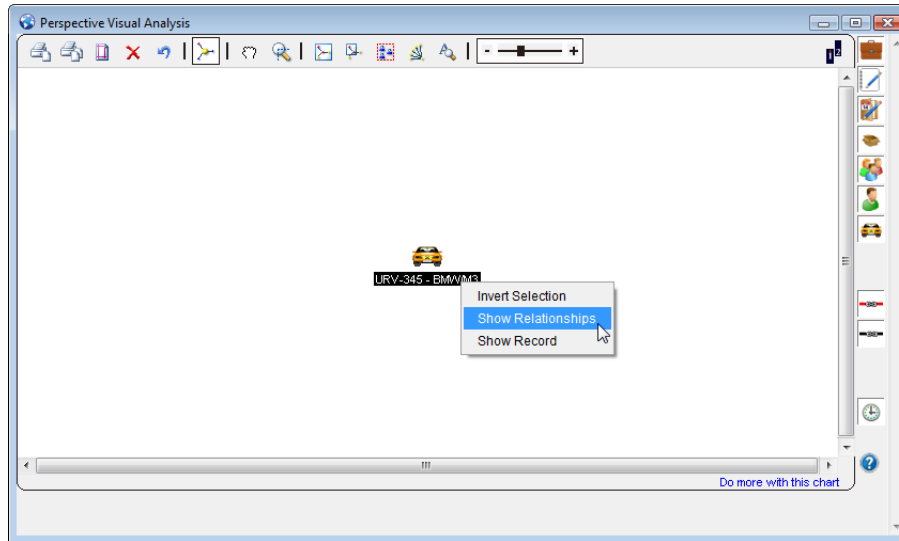
- Short link:
<http://ibm.co/W8rK1l>.
- Long link:
http://www14.software.ibm.com/webapp/download/nochargesearch.jsp?S_TACT=&S_CMP=&s=&k=ALL&pid=&q=Chart+Reader+&ibm-search=Search&pf=&b=&q0=.

Access Perspective Visual Analysis

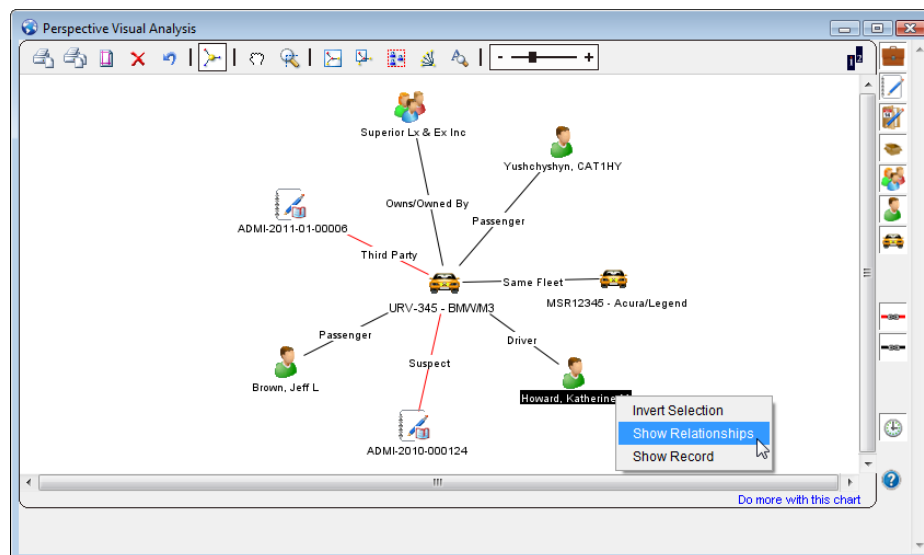
5. Log on to Perspective.
6. In the Navigation pane, open the **Data Forms** component and choose the record entity that you want to view (i.e., Activities, Incidents, Cases, Items, Persons, Organizations, or Vehicles).
7. Set your record view for the Listing pane using the **Quick View**, **Saved Views**, or **All Records View** function. If your Perspective system contains a large number of records, it is recommended that you use the Quick View or Saved Views function.
8. In the Listing pane, find and select the record you want to build your link chart from.
9. Click the **Visual Analysis** icon  on the Ribbon. A separate window for Perspective Visual Analysis will open with the selected record displayed as an icon in the center.

Create a Link Chart













1. Right-click the icon in the center of the Visual Analysis window, and select **Show Relationships**.


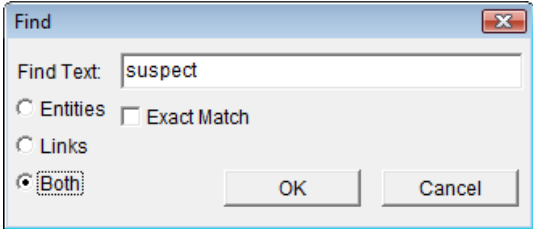













2. A link chart of related records will appear in the window, with the original record at the center. Right-click any icon in the link chart, and then select one of the following options:
 - **Invert Selection:** Selects all records except the current one.
 - **Show Relationships:** Displays all Incident, Case, Item, Person, Organization, or Vehicle records linked to the selected record.
 - **Show Record:** Opens the selected record in Perspective. (The Visual Analysis window may still be open in the foreground. In this case, minimize the Visual Analysis window to view the record in Perspective.)

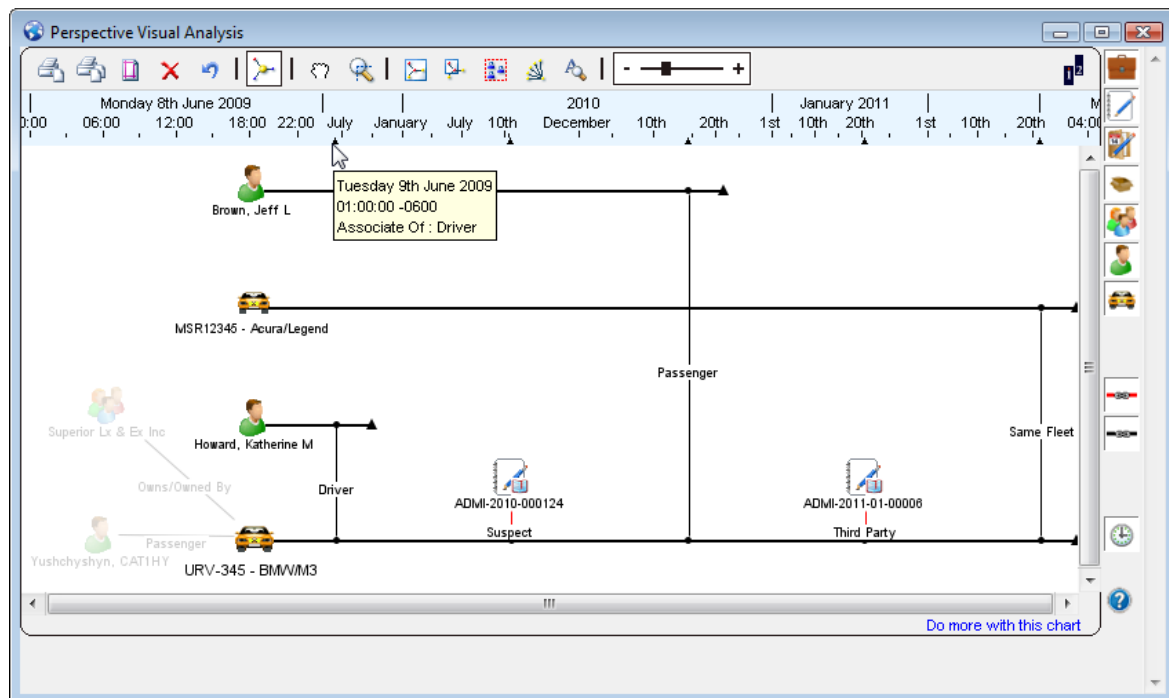


- Click on the top toolbar options to customize the appearance of your chart for clear visual analysis, or to find, select, or remove a particular record from your chart:

	Print on Single Page	Prints all details of your chart on a single page.
	Print at 100% Scale	Prints your chart at 100% scale, which would usually occupy more than one page.
	Page Setup	Enables you to adjust margins and page setup settings before printing.
	Delete Selection	Removes the highlighted record(s) from the chart.
	Undo Delete	Brings back the record(s) that were just deleted.
	Key Entity Emphasis	Enlarges the central records in your link chart placing focus back on them. Click again to restore the central records to regular size.
	Panning Tool	Enables dragging of the entire link chart allowing you to quickly view different areas of the chart.
	Zoom to Area	Click the Zoom to Area button, and then click and drag on the chart to select an area with the help of the mobile zoom box. The window will fill with an enlarged display of the selected area.
	Fit to Window	Fits the entire link chart in the window, making it easier to see the overall shape and the number of connections in the chart.
	Fit Selection to Window	Click and drag on the chart to select an area of interest with the help of a box. Alternatively, select multiple records holding down the Ctrl key while clicking the record icons. Then, click the Fit Selection to Window button. The window will fill with all records that are currently selected in the link chart.
	Select All	Selects all the records in the link chart.
	Reorganize	Changes the arrangement of the record icons restoring the link chart to its original layout.

 Find	<p>Searches for a chart entity and/or link that contains a particular string of text. The Find function only searches the text displayed in the window; it does not search actual records. Once you click the Find button, the Find dialog will open.</p> <ol style="list-style-type: none"> Type the search text in the Find Text field. Choose to search Entities (e.g., incident numbers, person names, license plate numbers), Links (e.g., suspects, associates, subjects of interest), or Both. Select Exact Match to only search for text that matches the search string precisely. To execute your search, click OK. The window will select and zoom in on any entities and/or links matching your search criteria. 
 Zoom	<p>Click and drag the slider back and forth to zoom the window in and out.</p>
<p>4. Click the buttons on the right toolbar to hide particular entities from your link chart. By default, these entities are displayed in your link chart. Click again to restore the original link chart layout and/or to re-display the entities.</p>	
 Case	<p>Hides cases from your link chart.</p>
 Incident	<p>Hides incidents from your link chart.</p>
 Activity	<p>Hides activities from your link chart.</p>
 Item	<p>Hides items from your link chart.</p>
 Organization	<p>Hides organizations from your link chart.</p>
 Person	<p>Hides persons from your link chart.</p>
 Vehicle	<p>Hides vehicles from your link chart.</p>
 Involvements	<p>Hides involvements from your link chart. Involvements, represented by red connecting lines, show that an item, organization, person, or vehicle was involved in a particular incident (e.g., Suspect,</p>

	Responding Service, Indirectly Involved).
 Associations	Hides associations from your link chart. Associations, represented by black connecting lines, show that particular incidents, cases, items, organizations, persons, or vehicles are associated with each other by relationship or ownership (e.g., Alias, Contracted To/By, Similar M.O.).
 Timeline	Transfers your link chart into the timeline mode (see the image below). All entities and links will be reorganized sequentially, allowing for time series analysis.



Use IBM i2 ChartReader to Manipulate Your Link Chart

After using Perspective Visual Analysis to build and develop your link chart—customizing its appearance to suit your needs—you can use IBM i2 ChartReader to share your chart with other people in your organization, or at the very least, to save or print your chart for access at a later date.

If ChartReader is not already installed on your computer, you can download the product from the IBM i2 website:

- Short link:
<http://ibm.co/W8rK1l>.
- Long link:
http://www14.software.ibm.com/webapp/download/nochargesearch.jsp?S_TACT=&S_CMP=&s=&k=ALL&pid=&q=Chart+Reader+&ibm-search=Search&pf=&b=&q0=.

ChartReader offers many of the same navigation functions as Visual Analysis, allowing you to zoom in and out on particular areas of your chart, resize your chart to fit your screen, and search for information contained within your chart. However, ChartReader does not have any editing functionality. You cannot add, eliminate, or reorganize chart items, and you cannot access any of your Perspective data to supplement your chart.

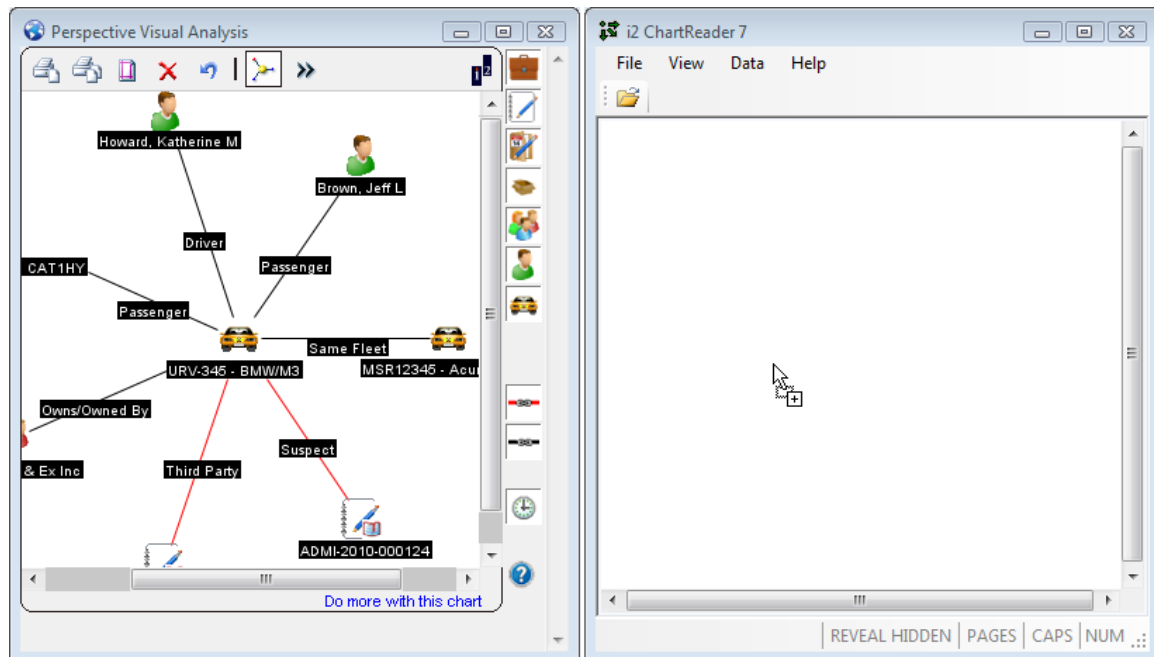
Ensure that your chart is complete when you transfer it into ChartReader, and then simply use ChartReader to do the following:

- Save your chart for later access.
- Print your chart using a variety of page configuration and printing options.
- Copy and paste your chart into Windows® applications, including Microsoft® Word, PowerPoint®, and Excel®, for inclusion in reports and other documents.

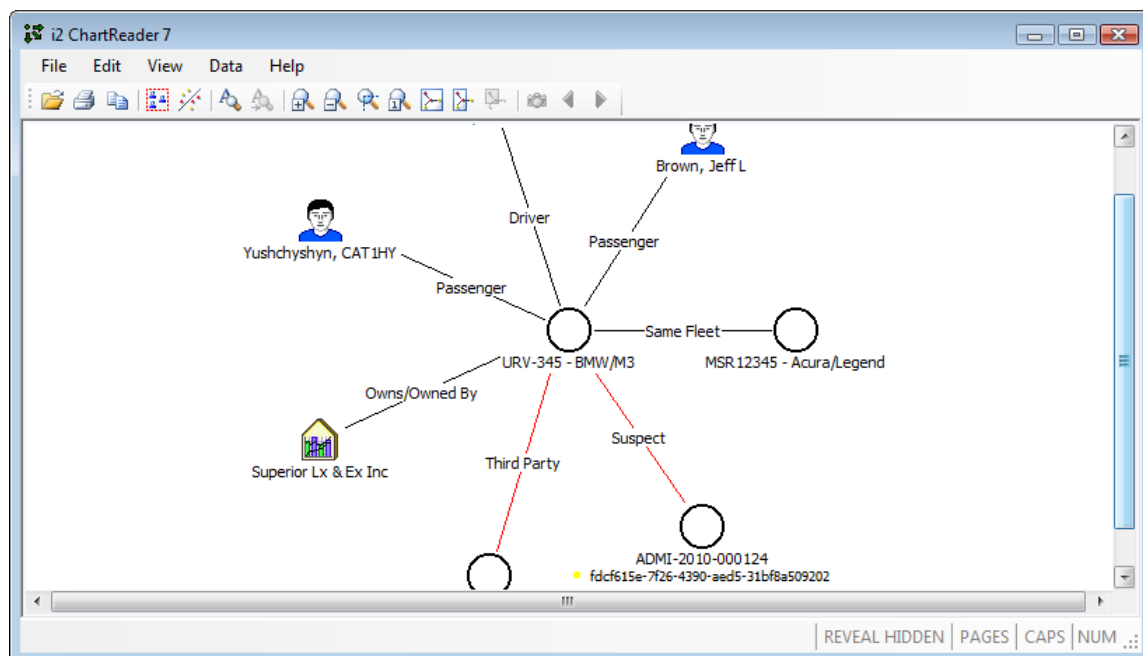
In other words, use Perspective Visual Analysis to create and develop your visual research, and then employ ChartReader to document it and distribute it to others.

Transfer Your Link Chart into IBM i2 ChartReader

1. Launch **ChartReader**.
2. Using the record selection options described in the “Create a Link Chart” chapter, select the chart items you would like to transfer into ChartReader.
3. Drag and drop the link chart selection into the ChartReader blank window.



4. A status bar will appear, indicating that ChartReader is in the process of transferring your link chart. ChartReader uses another IBM i2 product, **Online iLink**, to retrieve data from online sources. When the bar disappears, your link chart will appear in the ChartReader window. There may be some differences in the icons used to represent the chart's entities.



5. Open the ChartReader's **Help** menu to learn how to save, copy, and print your chart, as well as how to perform other relevant charting functions.

Additional IBM i2 ChartReader Resources

In addition to the **online Help** provided in ChartReader, the following documents are included with ChartReader's download in PDF format:

- ***Embedding in a Web Page***: Contains instructions for embedding charts into Web pages.
- ***User Guide***: Provides detailed information about working with ChartReader.
- ***Release Notes***: Includes information on ChartReader's latest features and updates.
- ***i2 Online iLink Release Notes***: Supplies details on Online iLink's most recent release. Online iLink is the program used to transfer data from Perspective Visual Analysis to ChartReader.

For more information on IBM i2 and its products, visit the links below:

- Short link:
<http://ibm.co/W8rK1l>.
- Long link:
http://www14.software.ibm.com/webapp/download/nochargesearch.jsp?S_TACT=&S_CMP=&s=&k=ALL&pid=&q=Chart+Reader+&ibm-search=Search&pf=&b=&q0=.

Contact Information

Technical Support

Toll Free: 1-877-776-2995
Phone: (780) 448-0616
Email: support@ppm2000.com

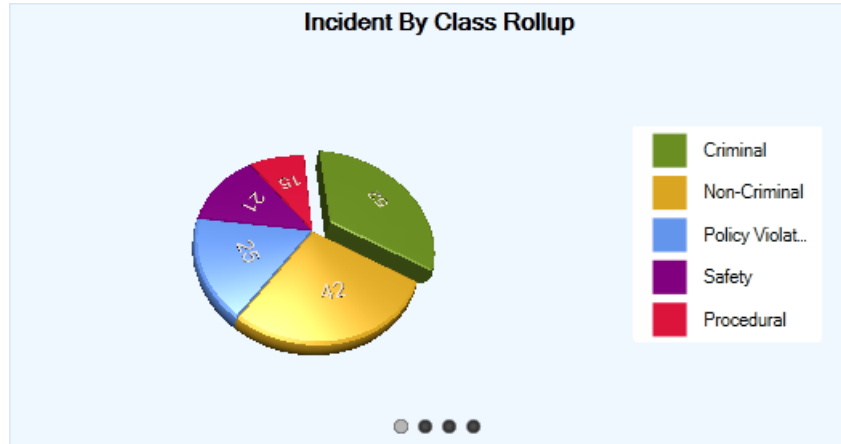
PPM 2000

Toll Free: 1-888-PPM-9PPM (1-888-776-9776)
Phone: (780) 448-0616
Fax: (780) 448-0618
Email: information@ppm2000.com
Website: www.ppm2000.com

Appendix A: Dashboard Chart Types



The Dashboard component of Perspective can be populated with up to four charts that show trends and statistics for a selected portion of records found in Perspective's database for a specified period of time. The data you may select for display include the following chart types.

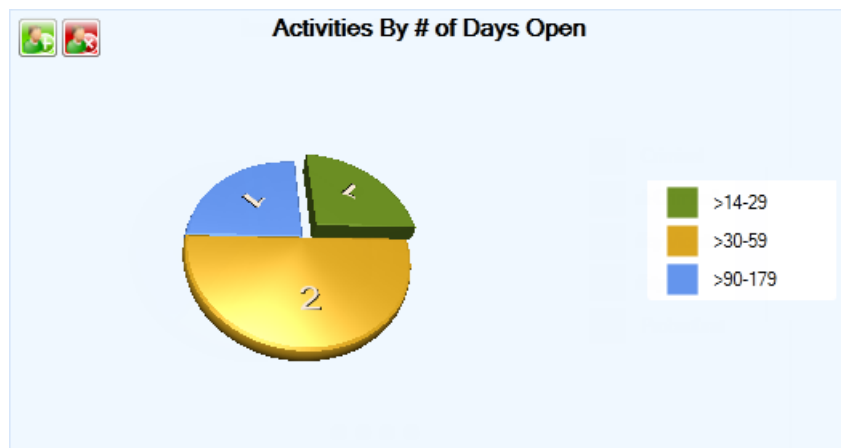
Incident by Class	Displays the number of incidents by the specified number of incident classes (e.g., Criminal, Procedural, Policy Violation) that have taken place during the specified period of time.
Incident by Business Unit	Displays the number of incidents by the specified number of business units (e.g., North America, Europe, Asia) that have taken place during the specified period of time.
Incident by Site	Displays the number of incidents by the specified number of sites (e.g., Alberta, Ontario, British Columbia) that have taken place during the specified period of time.
Incident by Organization	Displays the number of incidents by the specified number of organizations (e.g., Edmonton, Leduc, Sherwood Park) that have taken place during the specified period of time.



Activities by Number of Days Open	Displays the number of activities with an "Open" status arranged by the set periods of time for which the Activity records have been open (e.g., >14-29 days, >30-59 days).
Cases by Number of Days Open	Displays the number of cases without a Closed Date/Time arranged by the set periods of time for which the Case records have been open.

Incidents by Number of Days Open	Displays the number of incidents with an "Open" status arranged by the set periods of time for which the Incident records have been open.
Investigations by Number of Days Open	Displays the number of investigations without a Closed Date/Time arranged by the set periods of time for which the investigations have been open.

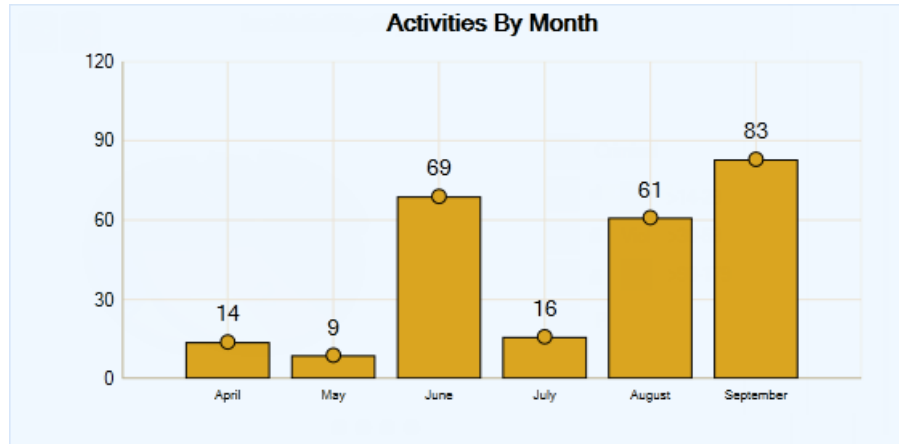
When one of these charts is displayed on the Dashboard, you may choose to view the Activity/Case/Incident/Investigation data filtered for a specific user. To filter the Activity data for a Record Owner, the Case, the Incident data for a Case Investigator/Case Manager/Case Supervisor, or the Investigation data for an Investigator, click on the plus icon  in the chart section and select the required user from the entity list. To reset the filter and show the data that applies to all users in the system, click the x icon .



Activities by Month	Displays the number of the specified portion of activities that have been recorded in each of the twelve months of the selected year. If no data has been recorded for a specific month, it will be absent from the chart.
Incidents by Month	Displays the number of the specified portion of incidents that have been recorded in each of the twelve months of the selected year. If no data has been recorded for a specific month, it will be absent from the chart.
Investigations by Month	Displays the number of the specified portion of investigations that have been recorded in each of the twelve months of the selected year. If no data has been recorded for a specific month, it will be absent from the chart.

Cases by Month

Displays the number of the specified portion of cases that have been recorded in each of the twelve months of the selected year. If no data has been recorded for a specific month, it will be absent from the chart.



Loss by Month

Shows the monetary losses (Total Loss, Total Recovered, and Net Loss), in dollars, resulting from the selected portion of incident activity in each of the past twelve months of the specified year. This chart is only available in the bar chart form.



Open Activities by Disposition



This preset chart does not have any further chart settings and is only available in the bar chart form. It displays the number of activities with an "Open" status colour-coded for specific Disposition (e.g., Under Investigation) and arranged by the set periods of time for which the Activity records have been open (e.g., >14-29 days, >30-59 days).

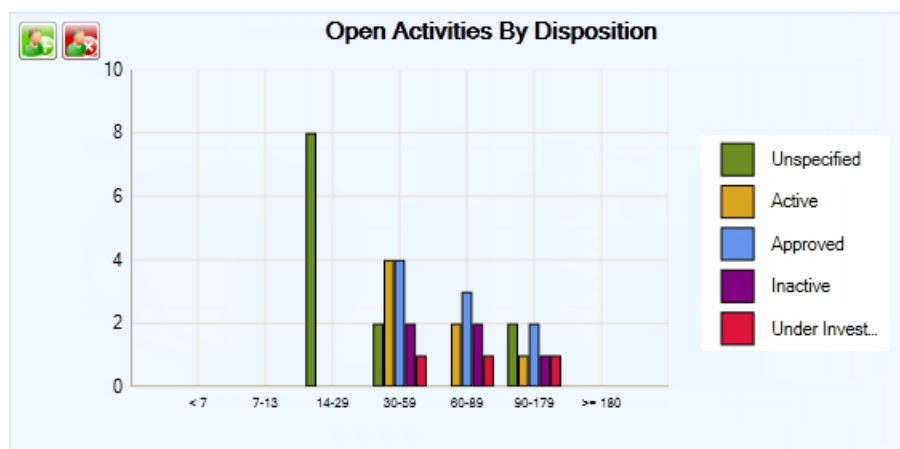
Open Incidents by Disposition

This preset chart does not have any further chart settings and is only available in the bar chart form. It displays the number of incidents with an "Open" status colour-coded for specific Disposition (e.g., Unsolved) and arranged by the set periods of time for which the Incident records have been open.

Open Cases by Disposition

This preset chart does not have any further chart settings and is only available in the bar chart form. It displays the number of cases without a Closed Date/Time colour-coded for specific Disposition (e.g., Active) and arranged by the set periods of time for which the Case records have been open.

When one of these charts is displayed on the Dashboard, you may choose to view the Activity/Case/Incident data filtered for a specific user. To filter the Activity data for a Record Owner, or the Case or Incident data for a Case Investigator/Case Manager/Case Supervisor, click on the plus icon  in the chart section and select the required user from the entity list. To reset the filter and show the data that applies to all users in the system, click the x icon .





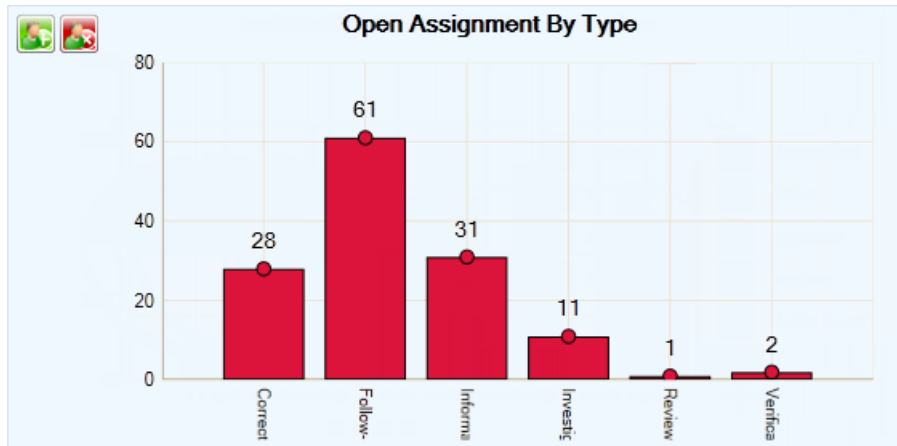
Open Assignments by Due Date

Displays the number of assignments that have not been checked off as "Completed" arranged by their closeness to the Due Date (e.g., Overdue, Tomorrow, Others).

Open Assignments by Type

Displays the number of assignments that have not been checked off as "Completed" arranged by specific assignment Type (e.g., Correction Notice, Information Request).

When one of these charts is displayed on the Dashboard, you may choose to view the Incident, Case, and Activity assignment data that have been filtered for a specific recipient of assignments. To filter the data for a specific "Assigned To" user, click on the plus icon  in the chart section and select the required user from the entity list. To reset the filter and show the data that applies to all users in the system, click the x icon .



Perspective Gauge

Resembles an automobile speedometer gauge, displaying the proportion of the number of incidents that has been recorded for the current year to the number of incidents that had been recorded in the year of your selection effectively comparing the two values. You can change the “compared to” year using the chart’s attached lookup.

The **Total Year** diagram compares the number of incidents for the total calendar years (e.g., the periods of January 1 to December 31).

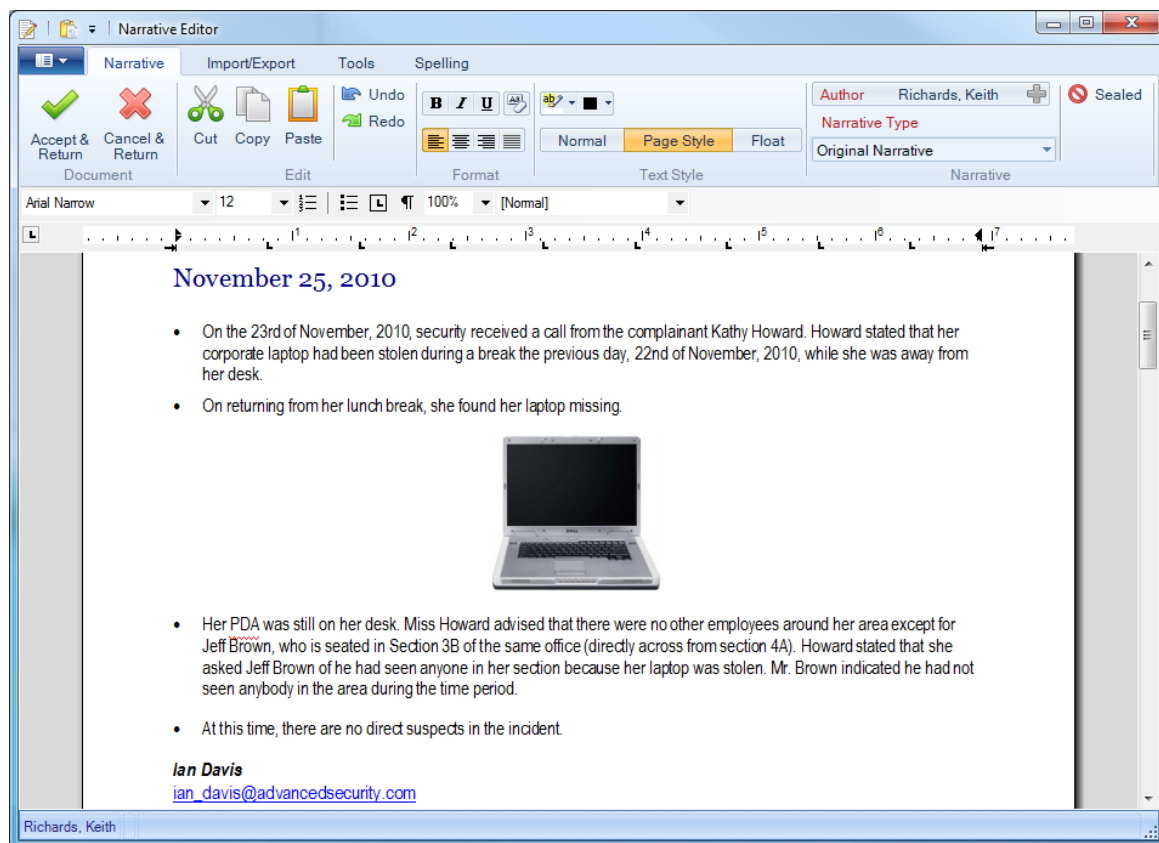
The **Year to Date** diagram compares the number of incidents for the years to the current date (e.g., if today’s date is October 1, then it will compare the periods of January 1 to October 1 only).

The **This Month** diagram compares the number of incidents for the current month (e.g., if today is October, then it will compare the months of October only).

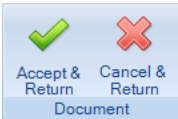



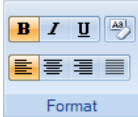
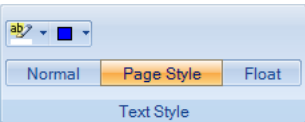
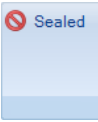

Appendix B: Text Editor Navigation

In Perspective, there are four types of text editor windows: **Narrative Editor**, **Summary Editor**, **Interview Editor**, and **Send Message**. The corresponding editors enable entering and editing of (typically) large texts that convey incident or case narratives, investigation summaries and interviews, and descriptive email messages. Typing the content of a narrative, summary, interview, or email, you can format your text with any of the options available under the editor's tabs (e.g., Narrative, Import/Export, Tools, and Spelling).




Narrative/Summary/Interview tab

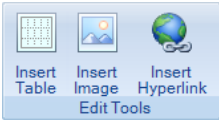
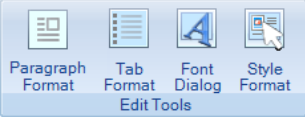
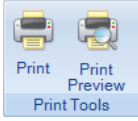
	<p>Click Accept & Return to save the changes made to the document and return to the main screen of the entry. If you want to discard the changes made, click Cancel & Return.</p>
	<p>Edit position of parts of the entered text by selecting the portion of the text and applying the Cut, Copy, or Paste options. The Undo and Redo buttons toggle the changes you have made to the document.</p>

	<p>Format appearance of the text by making it bold, italic, or underlined. Clear the formatting as needed. Apply the centered, left, right, or justified text alignment.</p>
	<p>Choose the text highlight and font color. Toggle document views, choosing between the Normal, Page Style, or Float (default) view.</p>
	<p>The Sealed option is available in the Narrative, Summary, and Interview Editors only. It functions similarly to the Seal/Unseal button  in the Viewing pane, by which clicking on it removes/assigns editing rights from/to the text.</p> <p><i>Note: Once you seal the text, and then save and leave the corresponding record, it can never be unsealed.</i></p>

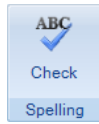
Import/Export tab

	<p>Alternatively to entering the text yourself, you may choose to Import an existing text document and its formatting into your text field. When finished with editing the text, you may also Export the text as an autonomous text document in multiple text formats.</p>
---	--

Tools tab

	<p>To enhance the content of your text, you can insert tables, images, and hyperlinks. To display editing options of the default table frame, select the portion of the table you want to edit and click the Insert Table button again.</p>
	<p>To edit the structure of your text, use the various Paragraph and Tab Format options. To format the font of your text and edit available text styles, use the Font Dialog and Style Format dialogs. Some of the most important text editing functions (e.g., text font, size, style, numbering, tabbing, visibility of formatting symbols) are also accessible directly from the autonomous toolbar that is located above the text field and that is not a part of any one particular tab.</p>
	<p>If you want to print your document, click the Print button. To preview the document before printing, click Print Preview.</p>

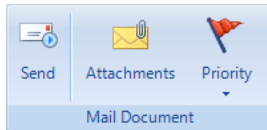
Spelling tab



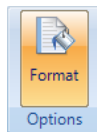
Although the spell check option is automatically applied to the text you enter (the incorrect text is underlined with a red wavy line), you can correct each spelling error one by one using the **Spelling** dialog box.

Additional Send Message options

The Send Message editor provides very basic options for editing a short email message that are all collected under one **Mail** tab. Typically, this message serves the purpose of providing some description to an automatically generated attachment that is sent out with the email (e.g., a record view or an assignment). In this case, the descriptive text will be provided by the system. If you want, you may, however, edit the default text for it to correspond to the document requirements set at your organization.



To add an attachment to your email or view it, click **Attachments**. A window will appear where you can add or remove existing attachments. Click **Proceed** to return to the main message screen. To set a priority for the message you are sending, click **Priority** and select from the High, Normal (default), and Low priority option. When finished with editing of your email message, click **Send**.



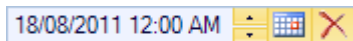
If you want to format the message details in plain text rather than the default HTML table, unclick the **Format** button. By default, the formatting option is active.

Appendix C: Data Field Types

Yes/No Fields

Yes/No fields include both checkboxes ☒ and radio buttons ☐. Click a checkbox or radio button to select it. Once selected, checkboxes will contain a checkmark and radio buttons will contain a dot.

Date/Time Fields

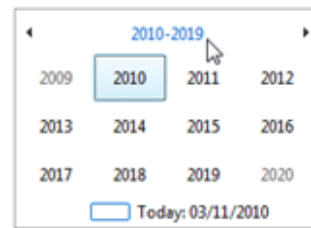
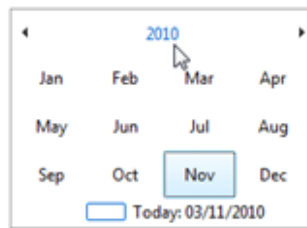


To enter a date in a Date/Time field, you have the following three options:

- Manually type the date in the field in MM/DD/YYYY format. Place your cursor in the month section and type two digits for the month, two for the day, and four for the year, using leading zeros if necessary. Specify the time in TT:TT format adding AM or PM, if relevant.
- Place your cursor anywhere in the date or time field and click on the **up** and **down arrows** attached to the field to increase or decrease the time value accordingly.
- Choose the appropriate date from the field's built-in **calendar**.


To display the field's calendar, click the calendar icon to the right of the Date/Time field. The calendar will open on the current month and year with the current day highlighted. Use the adjacent scrolling arrows to adjust time, month, or year.

If you are running Windows XP or Windows Vista, you may quickly advance the calendar to a different month or year. Click the appropriate time label to display a list of all the months in the year (or years) in a decade. Select the desired month or year to advance to the next level of time hierarchy (i.e., day or month).



After selecting a date, the calendar will close and the Date/Time field will automatically populate with the selected date, while the time portion will display 12:00 AM (or 00:00, depending on your machine's regional settings).

Note that at any time, you may select the current date by clicking the date marked Today at the bottom of the calendar, or by right-clicking the calendar and selecting "Go to today".

To clear the field of all values, click the Remove button  to the right of the Calendar icon.

Lookup List Fields

Security & Safety Systems ▾

To display all options contained within a lookup list, simply click the down arrow beside the lookup field or use the keyboard shortcut Alt+↓.

For more efficient data entry, you may automatically narrow focus in any lookup list to values beginning with the letters that you type. Simply start typing the value appropriate for the lookup field to display a lookup list containing only those values that begin with the letter(s) that you have typed.

Class

pl

Policy Violation
Procedural

Class

po

Policy Violation

If you are changing a lookup field value, you may hit the Esc key at any time to populate the field with the value that was saved previously.

Note: If the lookup field is part of a hierarchy, any unsaved field values lower in the hierarchy may be erased.

Number Fields

Serial Number	Quantity	Recovered Amount	Height
ADMIN-55-678	3	\$ 5,000.00 CDN	5' 40"

Perspective includes number fields for both whole numbers and numbers with up to two decimal places, as well as special fields configured for height, weight, value, and year data.

In any of these fields, you may type the desired value directly in the field. If up and down arrows are available, you may use them to adjust the value by increments of one.

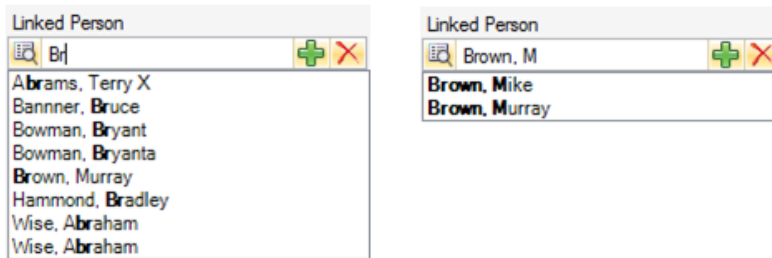
Pick List Fields


Baker, Jess + -

Pick list fields can be populated with values linked from the common database. There are two ways to link a pick list field to a value from the database.

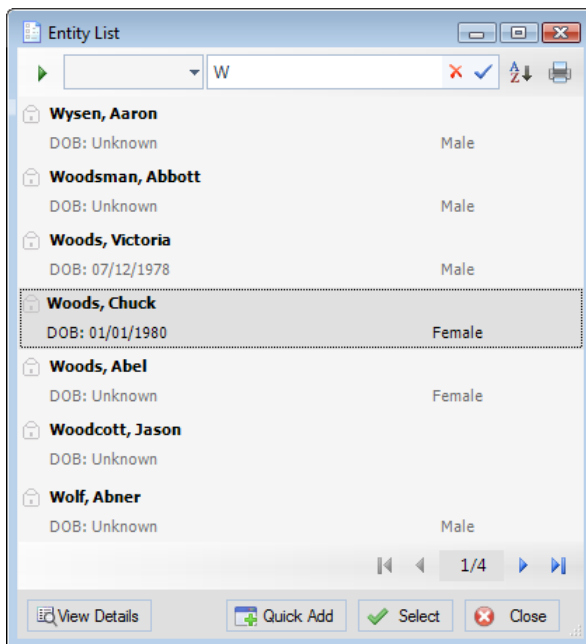
First, you may start typing an approximate value directly in the pick list field to display a list of records showing only those values that contain the letter(s) that you have typed.






Note: This option is not available if you are selecting an Investigator.




Second, you may select the data entry from the appropriate Entity List that opens when you click the Add icon  to the right of the field.




Note: Some Person pick lists only allow persons designated as Perspective users, or Perspective users with specific privileges (e.g., Investigators) to be selected. In these pick lists, all persons available for selection will automatically be displayed in the window, and there will be no option to change the view.



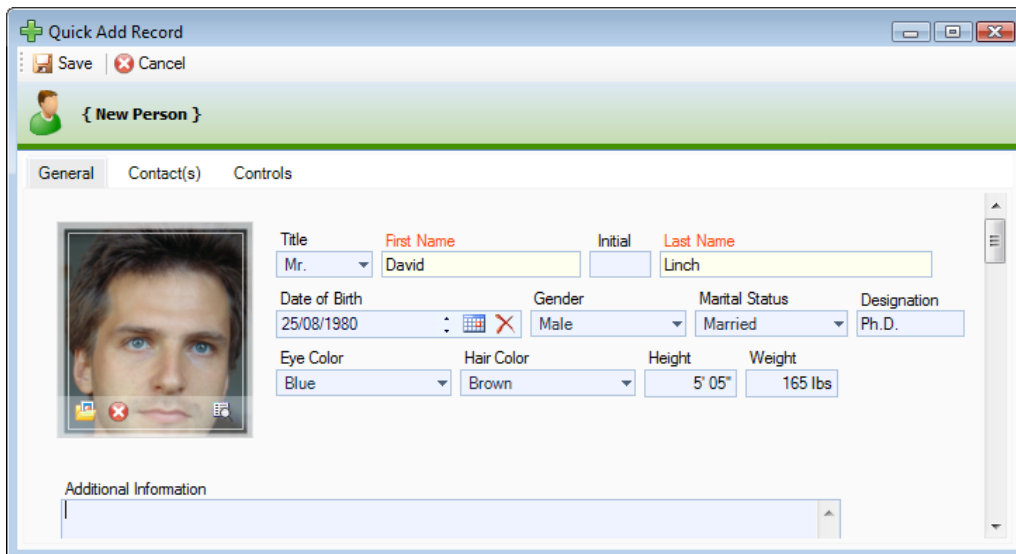
- If you have a default view specified for the data entity, this view will be displayed in the pick list. If not, the window will be blank. You may select or change the view by choosing a preset view from the Entity List lookup. To reset the view to display all records, click the green arrow icon .
- To find a specific user in the list, start typing the name in the search field to automatically filter the user list by the letter(s) that you have typed. To apply the filter, click the checkmark icon . To remove the filter, click the clear icon  and then the checkmark icon to view the original list.
- To arrange the list alphabetically, click the A to Z icon .
- To print the list, click the Print icon .

- To quickly view a particular entity's record, select the entity in the pick list and click the **View Details** button  located at the bottom of the dialog box. The record will open in read-only mode in a separate window. Close the window to return to the pick list.

Note: If you do not have permission to view a particular entity's record, the View Details button will be grayed out when you select the entity.

- Once you have found the correct entity, double-click it, or select it in the pick list and click the **Select** button . The pick list window will close and the field will populate with your selection.
- Alternatively, if the entity you are looking for does not have an existing record, you may use the pick list's Quick Add function to create one. Click the Quick Add button , and a blank data form will open in a separate window. Enter all known information, ensuring that all required fields (marked red) have been populated, and click Save  when you are finished. The Quick Add form and the pick list window will close, and the field will populate with your entry. You can further edit your entity from there.


Note: The Quick Add function is only available in Item, Person, Organization, and Vehicle pick lists. Further, some Person pick lists only allow persons designated as Perspective users, or Perspective users with specific privileges, to be selected; these pick lists do not offer the Quick Add function.




The screenshot shows a 'Quick Add Record' window titled '{ New Person }'. It has tabs for 'General', 'Contact(s)', and 'Controls'. The 'General' tab is active, showing a form with the following fields:

- Title:** Mr. (dropdown)
- First Name:** David (text box)
- Initial:** (empty text box)
- Last Name:** Linch (text box)
- Date of Birth:** 25/08/1980 (calendar icon, red X icon)
- Gender:** Male (dropdown)
- Marital Status:** Married (dropdown)
- Designation:** Ph.D. (text box)
- Eye Color:** Blue (dropdown)
- Hair Color:** Brown (dropdown)
- Height:** 5' 05" (text box)
- Weight:** 165 lbs (text box)


There is a photo of a man on the left side of the form. At the bottom, there is a text area labeled 'Additional Information'.

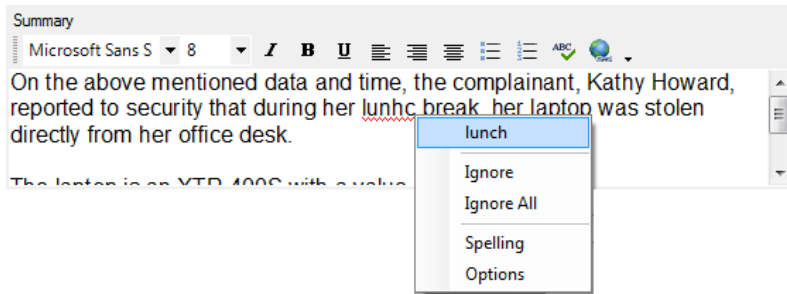
After populating a pick list field with a selected entity, you may click the **View Details** icon  to the left of the field to quickly view the entity's record. The entity's record will open in read-only mode in a separate window. If you are not authorized to view the entity's record details, you will receive a message indicating this, and the record will not open.

At any time, you may click the **Remove** button  located next to the Add button to clear the field of the current selection.

Multi-Line Text Areas

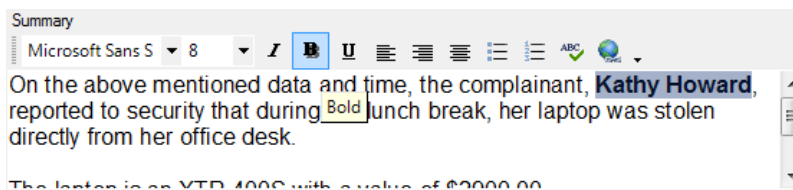
To enter a value in a text field, type inside the field. For additional options, including cut, copy, and paste, highlight the applicable text, right-click and select the desired option from the menu.

All multi-line text fields include a spell-check option. Perspective will underline misspelled text in red. Right-click the applicable text to access suggested spelling corrections. Or, click the **ABC** button  on the formatting toolbar, and Perspective will run a spell-check on all words in your multi-line text area.



You can use the following tools to format all multi-line text areas in Perspective:


- Font face
- Font size
- Italics
- Bold
- Underline
- Text alignment (left, right, or center)
- Bullets
- Numbers
- Hyperlinks

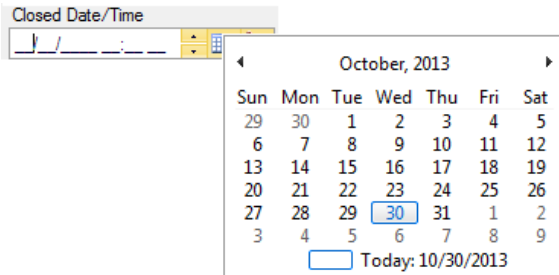


*Note: By clicking the drop-down arrow on the right of the formatting toolbar, you can individually hide or show buttons (by hovering on **Buttonbar**), or you can customize the appearance and functionality of your toolbar (by selecting **Customize...**).*




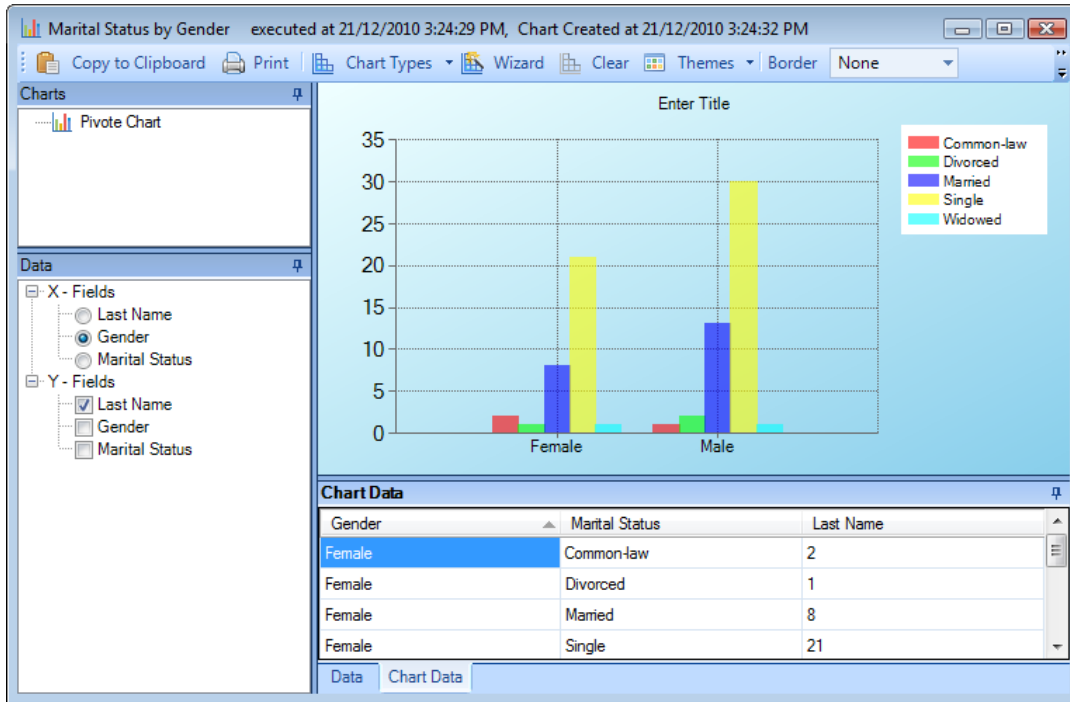
Calendar

To select a date and time using the calendar function, click the **calendar** button  and navigate to the day, month, and year you want to select. Click on the date to populate the corresponding field with the date you have selected.



Appendix D: Chart Wizard

The Chart Wizard tool embedded in the Analysis Expert contains a number of options that allow you to fully customize your chart. To access the Chart Wizard, click  **Wizard** on the chart toolbar, or right-click in the chart area and select Wizard.

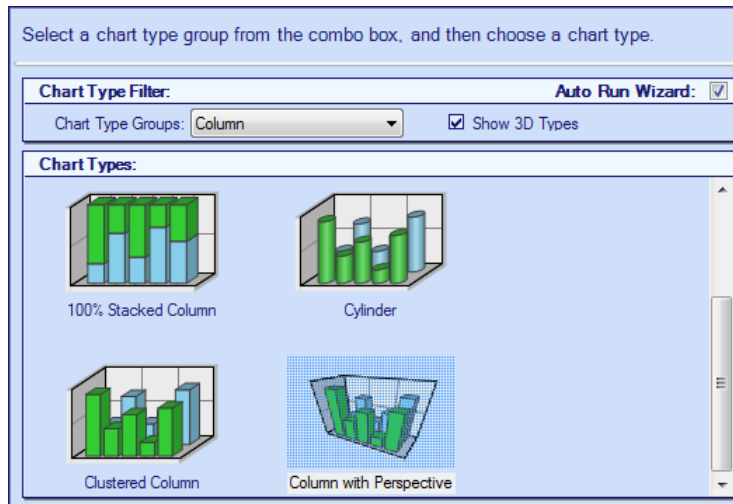


Specify your chart options, selecting the appropriate modes from the toolbar on the left. Click **Previous** and **Next** to navigate between the modes.



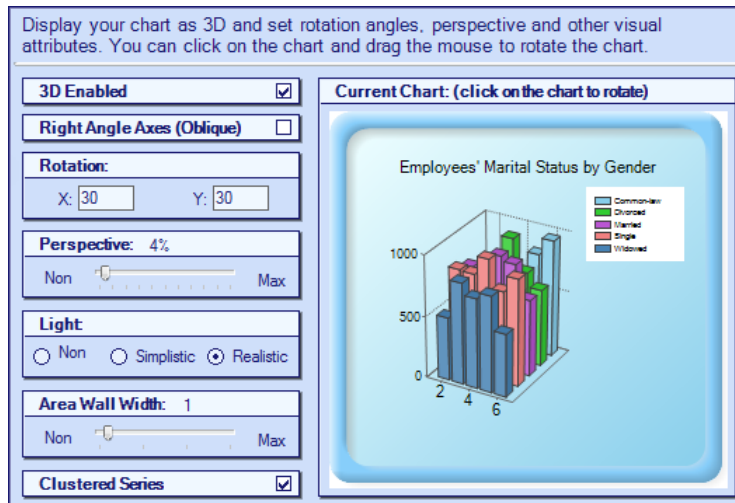
Chart Type

- Choose the general **Chart Type Group** (e.g., Column), and then select the specific **Chart Type** (e.g., Column with Perspective).
- Click the **Show 3D Types** box to see the chart type images in 3D.



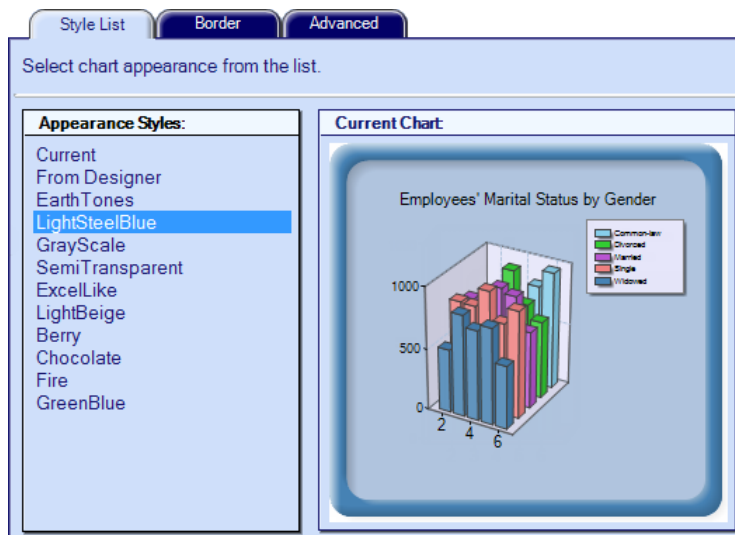
3D

- To start editing three-dimensional properties of your chart, ensure the **3D Enabled** box is checked.
- Check the **Right Angle Axes (Oblique)** box to make your X and Y axes perpendicular to each other. Uncheck the box to set them at an angle other than 90 degrees.
- Drag the chart or alter the numbers in the X and Y **Rotation** fields to change the viewpoint of the chart.
- Adjust the degree of **Perspective** that corresponds to the distance and spatial relationship of image in relation to you.
- Adjust the degree of the **Light** or shading applied to the chart.
- Adjust the width between marked values on the X and Y axes under **Area Wall Width**.
- If your chart includes a series variable, check the **Clustered Series** box if you want to cluster the variables separately.

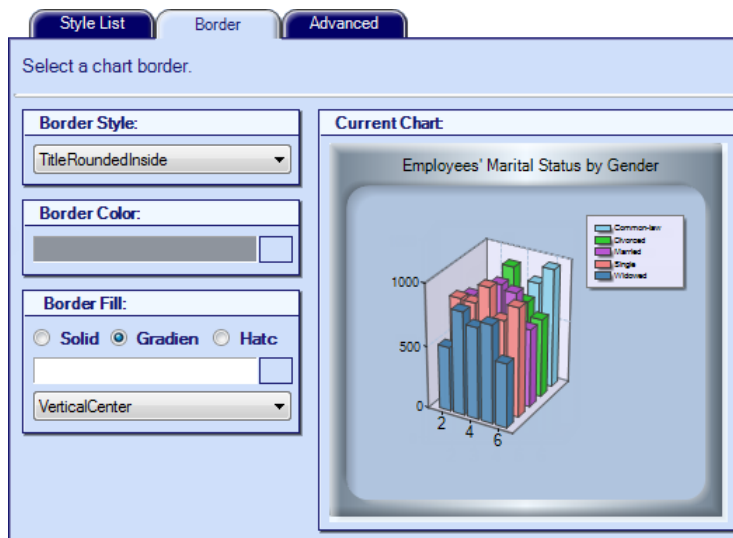


Appearance

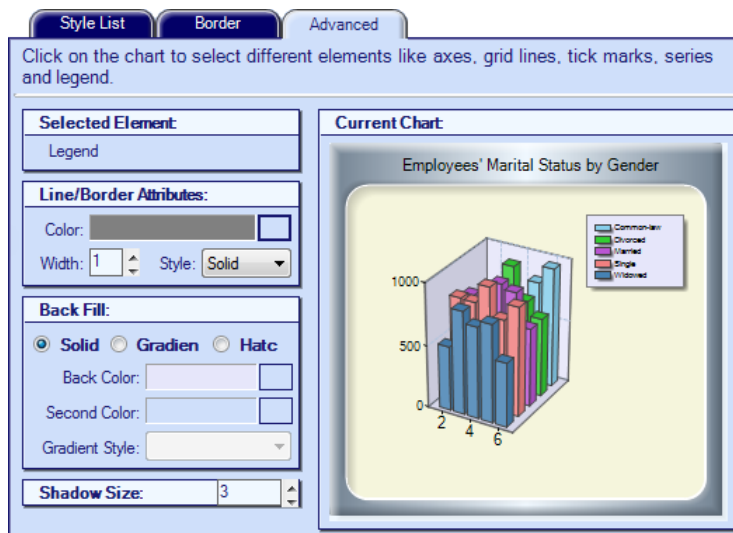
- Under the **Style List** tab, indicate what color scheme you want to apply to your chart.



- Under the **Border** tab, choose a **Border Style** and, if applicable, the **Border Color** and **Fill**.



- Under the **Advanced** tab, select an element of the chart you would like to edit clicking on the chart image. In the **Line/Border Attributes** section, select the **Color**, **Width**, and **Style** of the line border of the element. In the **Back Fill** section, adjust the chart elements' background colors and color schemes (Solid, Gradient, or Hatch Background). In the **Shadow Size** section, set the depth of the shadow for the element.



Series Data

- Under the **Series Data** tab, add, remove, move, rename, and select Chart Types for the series variables included in your chart.

Assign chart series to the selected data source members.
NOTE: Series will be data bound only when you run your application.

Chart Series:

- Common-law
- Married**
- Single
- Divorced
- Widowed

Up

Down

Add Remove

Series Details:

Name: Married

Chart Type: 100% Stacked Column

Series Data:

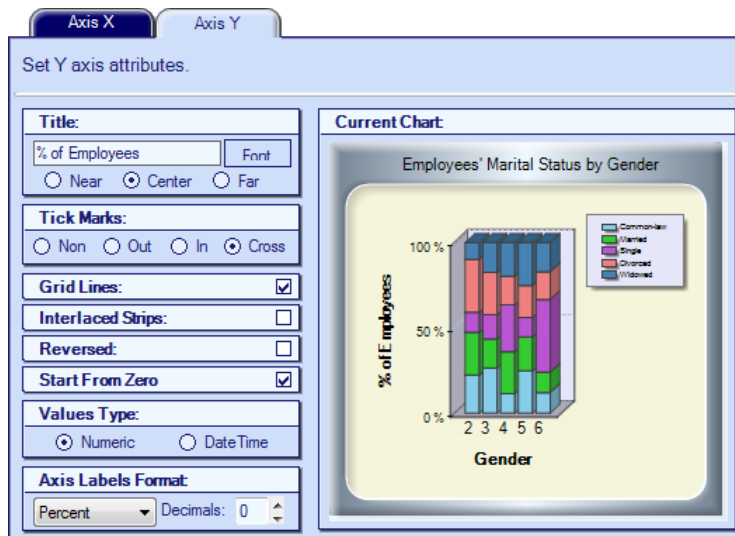
X Value ☐

X Value: (none)

Y Value: (none)

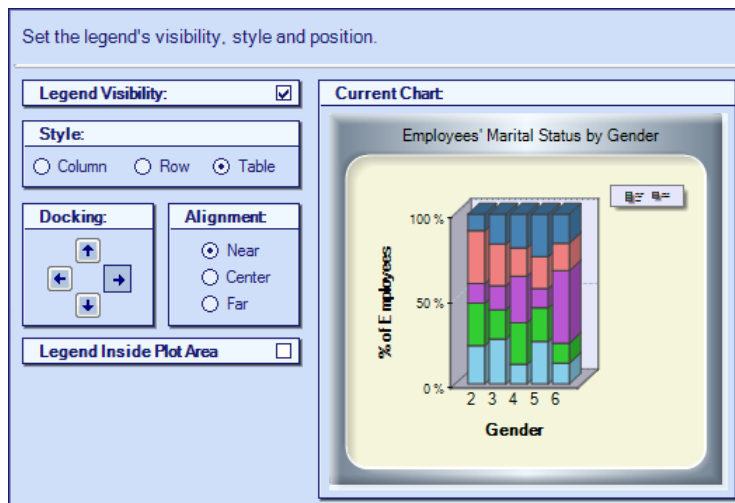
Axes

- Under the **Axis X** and **Axis Y** tabs, assign formatted axes **Titles**.
- Choose the placement of **Tick Marks** for axes values.
- Make **Grid Lines** visible or invisible.
- Apply **Interlacing Strips** of gray shading to every other grid column or row.
- Make the chart axes **reversed**.
- Maintain or eliminate any white space between the charted elements and the edges of the chart area with the **Side Margin** or **Start at Zero** option.
- Set the axes **Values Type** as Numeric or Date/Time.
- Select the correct **Axis Labels Formats** and the number of **Decimals** for these values.



Legend

- If your chart has a legend, ensure the **Legend Visibility** box is checked to display the legend.
- Choose the legend's presentation **Style**.
- Select the legend's position relative to the chart in **Docking** and **Alignment**. Check **Legend Inside Plot Area** to display the legend inside the chart area.



Point Labels

- Check **Display Point Labels** if you want to label charted values for columns, bars, and so forth. Under **Selected Chart**, choose to format series of labels for each variable separately or apply the same formatting to all charted point labels.
- Select the **Color** and **Font** of labels.

- Set the **Angle** and **Position** of the label text relative to the point charted.

Data point labels are used to display the Y value of data points. You can change their color, font, angle and position. Use SmartLabels to prevent text overlapping.

Display Point Labels: ☒

Color:

Font: Microsoft Sans Serif, 6.75

Angle: 0
-90 90

Position:

Selected Chart: All

Current Chart:

Employees' Marital Status by Gender

Chart Title

- Enter or edit the chart title's **Text**.
- Choose its **Color**, **Font**, and **Style**.
- Select the title's position relative to the chart with the **Docking** and **Alignment** options.

Set the chart's title, as well as its properties. You can also enter multiple lines of text by separating the lines using '\n'.

Text:
Employees' Marital Status by Gender

Appearance:

Color:

Font: Microsoft Sans Serif,

Style: Default

Docking:

Alignment:

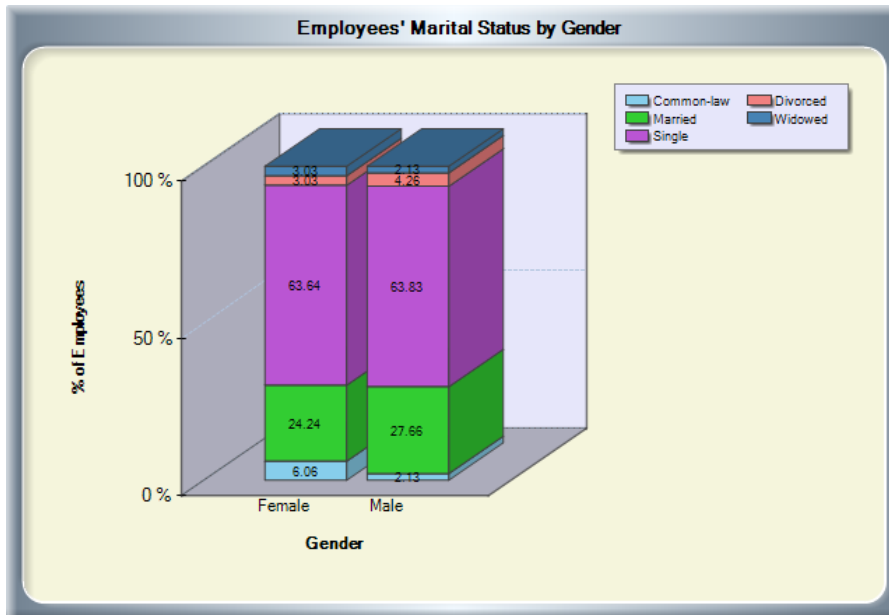
☐ Near
☒ Center
☐ Far

Current Chart:

Employees' Marital Status by Gender

Finish

Once the design of your chart is complete, click **Finish** to exit the Wizard and see your chart results. Click **Cancel** to restore the chart to its original view.



Glossary

Activity	An activity is an event or series of events with which security personnel may become involved. In Perspective, activities are created, scheduled, and assigned to officers or organizations with the help of the Perspective DispatchLog module. When an activity has been closed, the corresponding Activity record is transferred to the Activities component within Data Forms, where it can be further described, investigated, and analyzed.
Administrator	An Administrator sets up Perspective, changes settings, and assigns security protocols to users. Administrators have the highest level of access to all records, forms, and fields; they have no visibility or access restrictions within the program.
Assignment	An assignment is a task that is given to a user by his or her supervisor. Only authorized users can create assignments.
Authentication	Authentication refers to a security measure requiring a user to enter proof of identity (e.g., a User Name and Password) before accessing a network, program, file, or other information.
Averted Loss	In Incident and Case records, a loss that is associated with an involved entity and that is avoided in the course of an incident as a result of a preventative action.
Banner	A banner is a long rectangular button that opens a new section of the program when clicked (e.g., the Data Forms banner, the Analysis Expert banner).
Call Category	A Call Category rollup describes an activity according to its type specifications: Level 1, Level 2, and Level 3. Call Category rollups are hierarchical, meaning that the option selected in the first level of the hierarchy, Level 1, determines what options are available in the second level of the hierarchy, Level 2, and so forth.
Call Code	A Call Code is a combination of alphanumeric symbols that are used in your organization to code the Call Category, optionally combined with the call's Priority and Site. In Perspective, entering a call code on the new Activity record form will populate the Call Category, Priority, and Site fields. Also, entering the three latter fields may automatically calculate the appropriate Call Code, given its availability in the system. The Call Code specifications can be set in the Administration component of Perspective.

Case	A case is a grouping of incidents related by person, item, location, class, or other commonality, generally requiring further investigation. (Case management is only available in the ICM and EIM Editions of Perspective.)
Chain of Custody	Chain of custody refers to the complete and thorough documentation of an evidence piece's seizure or collection, possession, control, transfer, and disposition. When the process is carried out correctly, documented chain of custody verifies that a piece of evidence is authentic, that the evidence is indeed connected to a particular incident, involved person, or organization, and that the evidence has not been tampered with, compromised, or misplaced at any point from its initial collection to its appearance in court.
Child Data	Child data refers to the data that are recorded on Perspective's subforms, or that could potentially correspond to more than one referent. Examples of child data include information about involved Persons, involved Vehicles, and so on.
Child Node	A child node is a node that can only be accessed when its associated parent node has been expanded.
Class Rollup	A Class Rollup describes an incident according to its Class, Category, Subcategory, and/or Type. Class Rollups are hierarchical, meaning that the option selected in the first level of the hierarchy, Class, determines what options are available in the second level of the hierarchy, Category, and so forth.
Client	A client computer is the computer used to access a software program or application. It is connected to a network of other computers and may request information from a remote computer, called a server, in order to run the application.
Component	A component is a program subdivision represented by a specific type of form. For example, the Data Forms <i>component</i> of Perspective contains such forms, or <i>components</i> , as Incidents, Cases, Activities, Items, etc. The components within Data Forms are graphically represented by <i>banners</i> accessible from the Navigation pane.
Dashboard	The Dashboard is like the Home page or main screen of Perspective. It displays charts summarizing incident information, as well as messages and assignments from supervisors.
Data	Data is information.

Data Entry	Data entry is the process of placing information, or data, in a database. This is usually accomplished by typing data into fields in data forms.
Database	A database is a collection of data stored in a structured format. A database might be compared to an electronic filing cabinet. Databases are often organized into tables that store related information in the form of records (e.g., Incident records, Person records, Item records).
Database Management System (DBS)	A program that allows you to manage information in databases.
Desktop	Generally, when a computer is turned on, the screen opens on the desktop. This is the area where icon shortcuts are found, including My Computer and the Recycle Bin. All types of files can be saved onto the desktop.
Dialog Box	A dialog box is a window that appears on screen when a particular selection is made. It generally provides further options for the selected program feature.
DispatchLog	DispatchLog is an integrated module of Perspective that enables Security Departments to quickly and easily dispatch personnel and agencies, and to create work orders associated with dispatching activities. As calls come in, you may use DispatchLog to easily track the location, category, and priority of the activities, and to keep up-to-the-minute records on your officers' activities, including which officers are available for response, when they arrive on scene, and when they return. Once an activity has been closed in DispatchLog, it is transferred to the Activities component of Data Forms, where it can be further described and investigated. The banner that opens DispatchLog is located on the Navigation pane.
Drop-Down	A drop-down list, or menu, offers a range of selections that have been condensed to save screen space. Click on the down arrow on the right side of a drop-down field, and the field will expand to display a list of options. Select an option by clicking it.
e-Incident	An e-Incident is an electronic Incident report. It may be created in one of Perspective's optional modules (e.g., Perspective e-Reporting or Perspective Portal), or it may be imported via Perspective's Import Manager tool.

e-Report	An e-Report is an electronic Incident report submitted from Portal by an employee to inform an employer of an incident or suspicious activity. Once an e-Report reaches the Gateway, it is assessed to determine whether or not it should be accepted as a valid Incident record.
Electronic Report	An electronic report is an Incident, Item, Person, Organization, or Vehicle report submitted electronically to the Gateway. Electronic reports may arrive from a number of sources. Incident reports may be submitted from Portal. Incident reports, as well as Item, Person, Organization, or Vehicle reports, may be imported using Perspective's Gateway access point. Once an electronic report reaches the Gateway, it is assessed to determine whether or not it should be accepted as a valid Incident, Item, Person, Organization, or Vehicle record.
Entity	An entity is an object, person, event, or other concept that provides information about a larger category recorded in Perspective. For example, in order to create a detailed Incident record, you may need to enter involved persons and items, attachments, assignments, losses, or pieces of evidence that help to create a full picture of the larger category—the incident.
Entity Record	An entity record is a collection of data related to a particular entity (e.g., the record of an Involved Person, Assignment, Loss). In Perspective, entity records are stored as rows in a table that can be expanded into editable, or viewable, subforms.
Export	To export a file is to convert a file created in one software program or application into a format that is usable in another application. For example, exporting a set of query results to Microsoft® Excel® involves converting the results into a format suitable for use in Excel.
Exposure	In Incident and Case records, the amount of potential monetary loss associated with an involved entity.
Field	A field is an element within a form that allows you to enter or access a specific nugget of information related to the record type. One field in an address record might be "Street".
Filter	When filters are applied in directory searches, they tell the program to return only records in which the content of a specific field matches the criteria set by the user.

Focal Point	Perspective Focal Point is an optional module of Perspective, offering instant access to incident, investigation, and case data, summarized in a series of dynamic charts and graphs. Users can analyze their data to see the big picture, or drill down to review specific details, getting the facts they need, while uncovering areas of concern and sudden trends.
Form	A form is a part of the user interface that allows you to interact with the information contained in the database via a screen populated with related fields and designed to perform specific program functions, like reporting an incident, conducting searches, preparing reports, and so forth.
Gateway	The Gateway serves as an inbox for all electronic reports generated using Perspective's Portal. Once an electronic report lands in the Gateway, the Gateway Administrator and/or Gateway Approver are responsible for assessing it and determining whether or not the report should be accepted into Perspective as a valid Incident, Item, Person, Organization, or Vehicle record.
Gateway Administrator	The Gateway Administrator initially reviews all new electronic Incident reports (e-Incidents) submitted to the Gateway. The Gateway Administrator can edit e-Incidents, including customizing their security controls, and can either assign them to a Gateway Approver for follow-up or delete them from the system. For all other imported reports (Item, Person, Organization, or Vehicle), the Gateway Administrator may make them available within Perspective for authorized users to add to the main database, or delete them from the system.
Gateway Approver	The Gateway Approver is responsible for following up on all e-Incidents he or she has been assigned by the Gateway Administrator. The Gateway Approver can edit e-Incidents, and can either accept them into Perspective as valid Incident records, or send them back to the Gateway Administrator for reassignment. If an e-Incident contains insufficient information to accept or reject it, the Approver can store the e-Incident in a Pending folder for review at a later date. For all other imported reports (Item, Person, Organization, or Vehicle), like the Gateway Administrator, the Gateway Approver may make them available within Perspective for authorized users to add to the main database or delete them from the system.
Grid	Search results and query results display in the form of a grid, or list, with each entity occupying a row.

Hierarchy	A hierarchy is organized into successive levels, or layers, with each level subject to the preceding levels in the hierarchy. For example, the Class Rollup is divided into four fields ordered hierarchically (Class, Category, Subcategory, and Type); a selection made in the Class field determines what options are available in the Category field, and so forth.
Hyperlink	A hyperlink refers to an image or a string of text that retrieves a file, Web page, or other related information when clicked.
Icon	An icon is a small graphic used to represent a particular file, program, or function. Clicking the icon will open the file or program, or perform the appropriate function.
Import	To import a file is to bring a file into the currently active application. For example, importing an electronic report into the Gateway involves converting the file into a format that is usable within Perspective, and then uploading the properly formatted file into the Gateway.
Incident	An incident is an unusual action or situation affecting persons or property, either accidental or purposeful, which requires notice or follow-up by a security or human resources department.
Integration Services	Perspective Integration Services is a Web Service Application Programming Interface (API) that is designed as a tool for communicating with Perspective data across multiple external interfaces or systems. Integration Services enables secure creation, reading, updating, deleting, and querying of Perspective data across the supported systems.
Interface	Interface in Perspective refers to the visual on-screen means (e.g., windows, dialog boxes, buttons, banners, panes, or icons) by which Perspective modules and components communicate with the user to allow for a seamless entry, display, analysis, and transfer of data.
Investigation	An investigation is a follow-up or close examination of an incident (or of a case linked to one or more incidents) in order to gather facts and learn more about the incident's causes, sequence of events, involvements, and so forth. (Investigation management and case management are only available in the ICM and EIM Editions of Perspective.)

Investigator	An investigator is a person assigned to work on the investigation of an incident (or of a case linked to one or more incidents). Within Perspective, users designated as investigators are permitted access to investigation forms, tabs and functions. (Investigation management and case management are only available in the ICM and EIM Editions of Perspective.)
Label Set	See “Language”.
Language	In Perspective, a language refers to a set of field labels. Custom languages with unique field labels can be created and assigned to particular users. The default language, or label set, in Perspective is System English.
Link	A link is a connection to a specific file, form, or program level.
Link Chart	A link chart, in Perspective Visual Analysis, visually represents the involvements and associations between related Incident, Case, Item, Person, Organization, and Vehicle records. Icons signify the record entities, and colored lines identify the nature of their relationships.
Listing Pane	The Listing pane is the area of Perspective where users view lists of records available for selection; the record entity displayed depends on the selection made in the Navigation pane. The Listing pane is located in the middle of the screen, between the Navigation pane and the Viewing pane.
Logic Formula	A logic formula expresses the reasoning Perspective will use when applying search criteria. It uses letter symbols to represent each set of search criteria and applies AND/OR operators and parentheses to define the relationship of search criteria to each other. For example, the simple logic formula (A AND B) shows that Perspective will only search for results that meet both criteria A and B; in order to include results that meet criterion A or criterion B, the logic formula would need to be modified.
Lookup List	See “Drop-Down”.
Narrative	A narrative is the story or explanation of an event.
Navigate	To navigate a program refers to using navigational tools, such as menus, buttons, tabs, and links to move between windows and other structural elements of the program.

Navigation Pane	The Navigation pane is the area of Perspective where users navigate to major program components (e.g., the Dashboard, Data Forms, Analysis Expert), and, to some extent, within the program components. The Navigation pane is located on the left side of the screen.
Net Loss	In Incident and Case records, the value determined by subtracting the Total Recovered amount (if any) from the Total Loss amount.
No Impact Loss	In Incident and Case records, any loss that has been associated with an incident that has either been prevented, or remains a potential loss and, hence, does not impact the Net Loss amount.
Node	A node is a point of intersection in a tree that allows users to navigate through the tree to access increasingly specific levels of data or program function. A node can be identified by the small square box to the left of its position in the tree. Clicking the box when it has a plus (+) sign inside will expand the entity and display all its sub-entities underneath. Clicking the box when it has a minus (-) sign inside will collapse all the sub-entities and hide them under the main entity. When a sub-entity also has a small square box to its left, it is known as a child node.
Officer	An officer is a security personnel representative who can be dispatched and responds to activities created in Perspective DispatchLog.
Officer Alert	In Perspective DispatchLog, an Officer alert determines the amount of time set for a dispatched officer to respond to an activity when the officer reaches a specific Status (e.g., On Route, On Scene), Location, and/or when the activity's Priority matches a specific priority set in the Officer alert. The combination of settings that triggers a specific Officer alert can be set in the Administration component of Perspective. Once activated in DispatchLog, the settings defined for the alert will cause the Officer alert timer to start counting the time for the officer to respond to the current combination of conditions before their status must be modified.

Operator	An operator is used to create a more refined search. Like the calculation symbols used in mathematical formulae, where operators define the relationship between the formula's parts (e.g., A is equal to B), operators in Perspective express the relationship of the field to the value when setting search criteria. For example, if the Class field is selected and Criminal is the chosen value, an operator of "equal to" would stipulate that any records appearing in your search results would have a Class equal to Criminal. Examples of other operators include not equal to, less than, starts with, and like.
Organization	In the context of Perspective, an organization is any agency, company, or group.
Organizational Rollup	An organizational rollup indicates the company division or region that a user belongs to, or when assigned to a record, the particular division or region that is permitted to access the record. A user can only view records with the same, or lower, organizational rollup as his or her own. Organizational rollups are multi-tier or hierarchical; the option selected in the first tier determines what options are available in the second tier, and so forth. Moving down the hierarchy, organizational rollups become increasingly specific. A user with an organizational rollup higher on the hierarchy will have greater access to records than a user with a more specific organizational rollup lower on the hierarchy.
Pane	A pane is an area within an on-screen window that contains specific type of information in the form of interconnected files, fields, messages, banners, buttons, formulae, or other information. For example, Data Forms interface is expressed through the functionalities contained in the Navigation, Listing, and Viewing panes.
Parent Data	Parent data refers to the basic data that are recorded on Perspective's main forms, or that correspond to only one referent. Examples of parent data include, but are not limited to, an incident's Class, Site, Business Unit, Reported Date/Time, Status, and Created by User.

Pick List	<p>A pick list requires users to select an incident, item, person, organization, or vehicle from a range of records displayed in a separate window. (In the ICM and EIM Editions, case pick lists are also available.) If the desired entity does not appear in the pick list, some pick lists allow users to create a new entity record for selection. A pick list effectively links data entered in a field to an entity record. Click on the green Add icon on the right side of a pick list field to display a window containing a list of records for selection. Once a record is selected, the window will close and the pick list field will automatically populate with the record's name.</p>
Pop-Up	<p>A pop-up is a window that opens automatically when a particular option is selected in the previous window.</p>
Portal	<p>Perspective Portal is a module for Perspective, enabling any employee, onsite or in a distant location, to report an incident or suspicious activity as soon as it occurs, through the Portal webpage set up specifically for their workgroup. Once an electronic report has been submitted from Portal, it lands in the Perspective Gateway, where it is assessed to determine whether or not it should be accepted as a valid Incident record.</p>
Priority	<p>The level of importance assigned to an incident, activity, or email message (e.g., High, Low, or Normal). The list of available priority levels can be set in the Administration component of Perspective.</p>
Query	<p>A query is a request for information. In Analysis Expert, when the Execute button is clicked, the program sends a message to the database where all information is stored, requesting results matching the query's specified criteria.</p>
Quick Find	<p>The Quick Find tool allows users to easily locate records containing a particular text string. Quick Find searches text fields across the Perspective database (such as summaries, narratives, and text attachments) for the word or phrase specified, and returns a comprehensive list of records for review.</p>
Radio Button	<p>A radio button allows users to select one option out of a set of options. Before a radio button has been selected, it will look like an open circle, and after it is selected, a dot will appear inside the circle. Once a user has selected one radio button, selecting any other radio button in the same set will deselect the first option.</p>

Record	A record is a subsection of database, holding information about one entity or a member of a category within the database that is stored as one unit (e.g., an Incident, Activity, Item, or Person record).
Record View	A record view is a particular list of records that a user is permitted to access. In Perspective, users are able to create and save their own customized record views in the Data Forms component, allowing them to better organize and manage the records they need to view on an ongoing basis.
Recovery	In Incident and Case records, an entity that corresponds to a loss amount associated with an incident that has been restored or regained, as a result of an action that had been implemented after the incident took place.
Regulated Time to Act (RTA) Alert	In Perspective DispatchLog, a Regulated Time to Act alert determines the amount of time set for a dispatcher to react to and modify an activity when the dispatched officer reaches a specific Status (e.g., On Route, On Scene), Location, and/or when the activity's Priority matches a specific priority set in the Regulated Time to Act alert. The combination of settings that triggers a specific RTA alert can be set in the Administration component of Perspective. Once activated in DispatchLog, the settings defined for the alert will cause the RTA timer to start counting the time the dispatcher is left to check, and modify, the status of the dispatched officer in Perspective DispatchLog.
Ribbon	The Ribbon locates the most frequently used general administration, navigation, help, and search tools for you to refer to sections of the integrated Help files. In the Data Forms component, the Visual Analysis icon is added, which assists in visual representation of relationships between the records stored in the Perspective's database. In the Analysis Expert component, the Ribbon is populated with an additional set of icons that perform saving, adding, cloning, deletion, sharing, and execution of queries.
Role	Every user is assigned to a role, which determines how much access the user has to Perspective's functions and features, and what he or she uses the program for. Examples of roles include Administrator, Investigator, or General User. (The Investigator role is only available in the ICM and EIM Editions of Perspective.)

Rollup	<p>A rollup is also known as a multi-tier or hierarchical lookup list. Rollups are used to streamline the options and functions available to users when making selections from related lookup lists. Each rollup has up to four tiers. The first tier is known as the Root; the option selected in this first tier determines what options are available in the second tier, and so forth. A higher tier in the hierarchy is known as a Parent field and a lower tier is known as a Child field. Any Child fields that are on the same tier of the hierarchy are called Sibling fields.</p>
Screen	<p>A screen is a display of some portion of the program on your computer monitor. The term <i>screen</i> may be used to refer to the main program screen, a program form, or a subform (e.g., the Data Forms main screen, an Involved Item screen, the Analysis Expert screen).</p>
Search	<p>To search a database refers to the process by which the software program looks for data meeting the criteria specified by the user.</p>
Search Engine	<p>A search engine is a computer program that retrieves files or data from a database based on specified search criteria.</p>
Server	<p>A server is a computer that shares information with client computers in a network to help process a software program or application. The term server may refer to either the machine that shares the information, or to a particular software program designed for this purpose.</p>
Sigma (Σ)	<p>Sigma is the Greek symbol for "sum". In Analysis Expert, the sigma symbol appears on the heading of a column when Group By is clicked, indicating that the data in the column can be added together.</p>
Standard Operating Procedures (SOP)	<p>A part of Perspective's interface that provides guidance on the course of actions in case of an activity with a specific Call Category, Location, and/or Status. The Standard Operating Procedures can be described in the Administration component of Perspective with the help of a brief description, a standardized checklist of actions to be performed under the specified activity conditions, additional attachments, hyperlinks, and automated notifications. The created SOP rule will subsequently feature in Activity records that correspond to the settings specified in both Perspective's Activity data forms and the SOP component in Perspective DispatchLog.</p>

Status Bar	The Status bar is a part of Perspective's interface that displays your system and login information, including your username, role name, as well as Perspective's system and connection statuses (e.g., Connected/ Disconnected). The Status bar is located at the bottom of the screen.
Sub-Administrator	A Sub-Administrator is permitted to create user accounts and modify User Details and User Defaults, but only for users who are within their default workgroup and who have the same (or lower) access level and organizational rollup as their own.
Subform	A subform is a sub-tabbed screen that contains child data, allowing you to enter a large amount of detailed information about an entity in an organized and coherent manner. A subform can only be accessed through its associated parent form. Like its parent form, the subform is designed to perform specific program functions (e.g., recording an involved person, registering a piece of evidence).
Sub-tab	A sub-tab is a tab that can only be accessed through a parent tab when navigating a form. For example, in the Incident form, the Involvements tab has four sub-tabs: Persons, Organizations, Vehicles, and Items.
Supervisor	A supervisor is permitted to access the Controls tab on all records. Among other things, this allows the supervisor to change the workgroups, organizational rollups, and access levels of records at will.
Tab	A tab in Perspective is used to mark a particular section within a data form. It looks like and operates like a tab in a file folder. To access the contents of a tab, users must simply click on the tab.
Table	A structure within a database designed for storing related information, often in the form of records or entity records. Simple databases may contain only one table; complex databases contain many.
Toolbar	A row of icons that activate functions or options when clicked. (e.g., The Ribbon).
Total Loss	In Incident and Case records, the sum value of all Loss amounts associated with an incident that corresponds to losses that actually took place.

Tree	A tree is a hierarchical structure representing the links and relationships between program components. For example, expanding a single node reveals child nodes, which in turn yield further entities, until the user arrives at individual fields containing precise pieces of data. The hierarchical relationship between all these pieces, essentially a navigation map of one particular area of the program, can be described as a tree.
User	A user is a person who uses Perspective, and has his or her own User Name and Password to access the program.
User Defined Field (UDF)	A UDF is a special field developed by an organization to meet their specific needs.
Value	A value is the specific information, or data, entered into a field.
Vehicle Identification Number (VIN)	VIN is a unique tracking number that serves to identify a vehicle.
Viewing Pane	The Viewing pane is the area of Perspective where users view record contents. (Depending on their user privileges, users may also be authorized to edit, delete, or add records in the Viewing pane.) The record displayed in the Viewing pane depends on selections made in the Navigation pane and the Listing pane. The Viewing pane is located on the right side of the screen.
Visual Analysis	Perspective Visual Analysis allows data relationships between Incident, Case, Item, Person, Organization, or Vehicle records to be rendered into powerful visual link charts. These visual elements can easily be analyzed and interpreted, bringing clarity to complex investigations and scenarios.
Window	A window is an enclosed rectangular on-screen viewing area that displays programs, files, fields, messages, or Web sites independently of other on-screen areas.
Workgroup	A workgroup, in Perspective, segregates users by department, division, corporate level, region, or any other criteria an organization wishes to use, and allows an organization to limit users' access to data. Users can only access records assigned to their respective workgroups.

Index

A

Access Level	95	Involved Items	See also Involved Items
Accessing DispatchLog	271	Involved Organizations	See also Involved Organizations
Accessing Perspective	10	Involved Persons	See also Involved Persons
Action Toolbar		Involved Vehicles	See also Involved Vehicles
Analysis Expert	156, 194	Linking to Incidents	125
Perspective	12	Linking to Other Activities	124
Activities		Noting Action Requests	283
About	41	Scheduling	300
Add an Action Request	121	Security Controls	126
Add an Officer's Response	118	Standard Operating Procedures	127, 311
Add an Organization's Response	119	Viewing	279
Adding Attachments	78, 295	Viewing Log for an Officer	314
Adding Involved Items	293	Workgroup Access	96
Adding Involved Organizations	289	Activities Pane	271
Adding Involved Persons	See also Involved Persons	Activity Notes	298
Adding Involved Vehicles	291	Adding from Source	130
Adding Notes	298	Administration	15
Adding Officers' Responses	279	All Records View	51
Adding Organizations' Responses	281	Analysis Expert	
Arriving Officers/Organizations	307	About	15, 156
Assignments	99	Chart Wizard	See also Chart Wizard
Audit History	101	Criteria Designer	164
Building Visual Analysis Link Charts	153	Field(s)	156
Clearing	309	Form(s)	156
Cloning	315	Interface	215
Closing	116, 301	Query Design	See also Query Design
Creating	116	Query Results	See also Query Results
Creating a Basic Record	277	Selections	156
Data Forms	270	Tracking Query Runs	171
Deleting	300	Workflow Overview	157
Dispatching	302	Archiving	96
Displaying by Workgroups	312	Arrive	307
Editing	279	Arrive All	307
Emailing a Basic Record	299	Assigned Pane	271
Escalating to an Incident record	128	Assignments	35, 296
Filtering Dispatched Officers/Organizations	314	Emailing Notifications	100
Giving a Related Assignment	296	Exporting to an External Calendar	36
Highlighting Dispatched Officers/Organizations	313	Filtering and Grouping	36
		Mark Completed	36
		Attachment	295
		Attachments	

Adding	78	Chart Title	347
Printing	78, 295	Chart Type	342
Audit History	101, 153	Finalizing	348
Available Pane	271	Legend	346
Averted Loss		Point Labels	346
Under Case	110	Series Data	345
Under Incident	85	Charts	
Under Involved Entity	69	Analysis Expert Query Results	178
B		Chart Wizard	See also Chart Wizard
Boolean Logic Statement	164, 192	Dashboard	33
C		Checkboxes	335
Calendars	335	<i>Child Data</i>	166
Call Sign	308	Child Records	172
Cases		Clear All	309
About	45	Contact Information	
Adding Attachments	78	Organizations	140
Adding Data to Cases	103	Persons	140
Adding Data to Incidents	103	PPM 2000	326, 371
Assignments	99	Technical Support	326, 371
Audit History	101	Corrective Actions	97
Building Visual Analysis Link Charts	153	Criteria Operators	
Case Details Summary	113	Boolean logic	164
Closing	104	Custom Search	27
Creating	104	D	
Data Summary	113	Dashboard	
Investigation Summary	114	About	14, 32
Investigations	See also Investigations	Assignments	35, 100
Involvement Summary	115	Chart Types	327
Linking to Incidents	108	Charts	33
Linking to Other Cases	109	Interface	32
Loss Summary	115	Refresh Settings	17
Losses	110	Data Fields	
Narratives	77	Date/Time	335
Reviews	98	Lookup Lists	336
Security Controls	95	Number Fields	336
Summaries	77	Pick Lists	336
Viewing Entities' Involvements	61	Text Fields	339
Viewing Involvements	107	Types	335
Workgroup Access	96	Yes/No	335
Chain of Custody	93	Data Forms	
Chart Wizard		About	14, 38
3D	342	Activities	41, 116–15
Appearance	343	Cases	45, 103
Axes	345	Common Record Functions	50
		Data Editing	59

Data Entry	59	Filter	314
Incidents	43, 62	Flags	
Interface	38	Incidents	64
Items	47, 115	Involved Persons	67
Organizations	49, 146	Persons	139
Persons	48, 134	From Source	130
Vehicles	50, 148		
Viewing Pane Main Toolbar	59	G	
Viewing Pane Sub-Tab Toolbar	60	Gateway	
Workflow Overview	40	About	15, 262
Dispatching		e-Incidents	<i>See also e-Incidents</i>
Officers	<i>See also Officers</i>	Interface	263–62
Organizations	<i>See also Organizations</i>	Item, Person, Organization and Vehicle e-	
DispatchLog		Reports	<i>See also Imported Reports</i>
About	270	<i>Searching e-Reports</i>	264
Disposition	96	Gateway Administrator	262, 265, 266, 267, 269
E		Gateway Approver	262, 266, 269
e-Incidents		Go To	61
Accepting	266	Group By	165
Assigning to Gateway Approver	266		
Deleting	266	H	
Editing	265	Help	
Exiting	266	Contents	23
Folders	265	Help files	14
Pending for Later Review	267	Index	24
Re-evaluation by Gateway Administrator	267	Search	24
Rejecting	267	Highlight	313
Saving	265	History	61, 132
Email Notifications	311	I	
Email Settings	17, 18	Imported Reports	
Entity List	337	Deleting	269
Evidence		Displaying in XML	269
Case Investigations	91	Folders	268
Exiting Perspective	31	Making Available for Adding to Perspective	269
Exit option	31		
Log off option	31	Incidents	
Exposure		About	43
Under Case	110	Adding Attachments	78
Under Incident	85	Assignments	99
Under Involved Entity	69	Audit History	101
F		Building Visual Analysis Link Charts	153
Fields		Causes	97
Required	62	Corrective Actions	97
User Defined	62	Creating	62
		Creating from an Activity record	128

Flags	64	Involved Items	293
Investigations	See also Investigations	Adding to Activities	76
Involved Items	See also Involved Items	Adding to Incidents	76
Involved Organizations	See also Involved Organizations	Incident Losses	67, 83
Involved Persons	See also Involved Persons	Loss Summary	68
Involved Vehicles	See also Involved Vehicles	Viewing in Cases	107
Linking to Activities	80	Involved Organizations	289
Linking to Cases	82	Adding to Activities	70
Losses	83	Adding to Incidents	70
Narratives	77	Incident Action Requests	72
Noting General Details	62	Incident Losses	67, 83
Noting Notified Authorities	63	Incident Response	72
Outcomes	97	Loss Summary	68
Policies Affected	97	Noting General Details	70
Reviews	98	Viewing in Cases	107
Security Controls	95	Involved Persons	
Summaries	77	Adding to Activities	65
Workgroup Access	96	Adding to Incidents	65
Infoglide Identity Resolution Engine (IRE)	See also Custom Search	Clothing	66, 287
Interview Editor	89, 332	Flags	67, 288
Interviews		Incident Losses	67, 83
Incident Investigations	89	Injuries	66, 287
Investigations		Loss Summary	68
Assigning Investigators to Cases	105	Noting General Details	65, 285
Assigning Investigators to Incidents	86	Viewing in Cases	107
Case Evidence	91	Involved Vehicles	291
Case Interviews	89	Adding to Activities	73
Case Investigation Summary	114	Adding to Incidents	73
Case Investigative Data Summary	112	Incident Losses	67, 83
Case Statements	89	Loss Summary	68
Case Summaries	88	Noting General Details	73
Closing	86	Viewing in Cases	107
Incident Evidence	91	Items	
Incident Interviews	89	About	47
Incident Investigative Data Summary	94	Adding	129
Incident Statements	89	Adding Attachments	78
Incident Summaries	88	Adding from Gateway	130
Logging Incident Tasks and Expenses	88	Audit History	101
Noting Incident General Details	86	Building Visual Analysis Link Charts	153
Recording to Cases	112	Merging	150
Recording to Incidents	86	Security Controls	133
Investigators		Viewing Involvements	132
Assigning to Cases	105	Workgroup Access	134
Assigning to Incidents	86	K	
		Keyboard Shortcuts	274

L		Involved Organizations	67, 83
Legal Notice	13	Involved Person Summary	68
Legal Notices	359	Involved Persons	67, 83
License Agreement	13, 359	Involved Vehicle Summary	68
Linking		Involved Vehicles	67, 83
Activities to Activities	124	M	
Activities to Incidents	125	Main Screen	13
Cases to Cases	109	MIR3 Mass Notifications	311
Cases to Incidents	108	N	
Incidents to Activities	80	Narrative Editor	77, 332
Incidents to Cases	82	Narratives	
Organizations to Organizations	143	Cases	77
Organizations to Persons	142	Incidents	77
Organizations to Vehicles	144	Navigation Pane	
Persons to Organizations	143	Analysis Expert	156, 194
Persons to Persons	142	Data Forms	38
Persons to Vehicles	144	Gateway	263
Vehicles to Organizations	143	Perspective	13
Vehicles to Persons	142	Reports	187
Vehicles to Vehicles	144	Net Loss	
Listing Pane		Under Case	110
Accessing Saved Views	51	Under Incident	85
Creating Views	52	Under Involved Entity	69
Data Forms	38	No Impact Loss	83
Deleting Views	57	Number Fields	336
Displaying All Records	51	O	
Editing Views	55	Officer Log	314
Emailing Views	56	Officers	
Filtering Record List	58	Bringing Off Duty	309
Gateway	263	Bringing On Duty	302
Importing Views	56	Bringing On Scene	307
Saving New Views	54	Clearing From Activities	309
Lookup Lists	336	Cloning	315
Loss	83	Dispatching for Multiple Activities	304
Losses		Dispatching For One Activity	304
Case Summary	110, 115	Highlighting Assigned Activities	313
Case's Average Averted	111	Updating Call Sign	308
Case's Average Exposure	111	Updating Status	307
Case's Average Loss	111	Viewing Officer Log	314
Case's Average Net Loss	111	Viewing/Updating Location	308
Case's Average Recovered	111	Options Tab	272
Incidents	83	Order By	54
Involved Item Summary	68	Org Level	95
Involved Items	67, 83		
Involved Organization Summary	68		

Organizational Rollups	95	Linking to Persons	142
Organizations		Linking to Vehicles	144
About	49	Merging	150
Adding	146	Security Controls	145
Adding Attachments	78	Trespass Details	138
Adding from Gateway	130	Unique Features	137
Audit History	101	Viewing Involvements	132
Bringing On Scene	307	Workgroup Access	96
Building Visual Analysis Link Charts	153	Perspective Components	14
Clearing From Activities	309	Perspective Services URL	10
Cloning	315	Pick Lists	336
Contact Information	140	Plus	336
Dispatching	306	Policies or Procedures Affected	97
Dispatching For Multiple Activities	306	Printing	
Highlighting Assigned Activities	313	Analysis Expert Query Results Charts	180
Linking to Organizations	143	Attachments	78, 295
Linking to Persons	142	Query Results	175
Linking to Vehicles	144	Record Lists	39
Merging	150	Records	59
Security Controls	133	Records from Analysis Expert	176
Updating Status	307	Privacy Statement	13
Viewing Involvements	132	Product Information	13, 359
Viewing/Updating Location	308		
Workgroup Access	134	Q	
Outlook Sort By	174	Query Design	
Owner Workgroup	96, 278	Cloning	168, 196
P		Creating	161
Password		Deleting	170, 197
Changing	16	<i>Displaying Calculated Data</i>	165
Persons		<i>Displaying Raw Data</i>	165
About	48	Editing Queries	167, 196
Adding	135	<i>Grouping Results</i>	165
Adding Attachments	78	Questions	162
Adding from Gateway	130	Saving	167, 195
Audit History	101	<i>Searching the Whole Database</i>	163
Building Visual Analysis Link Charts	153	<i>Searching within a Data Sample</i>	163
Contact Information	140	Setting Criteria	162
Employees	145	Sharing	168, 196
Flags	139	<i>Specifying Types of Data for Query</i>	163
Identification Documents	137	Query Results	
Importing through Microsoft Active Directory	136	Building Visual Analysis Link Charts	177
Importing through Microsoft Outlook		Calculating	174
Contacts	136	Charting	216
Linking to Organizations	143	Executing	170, 197
		Exporting	175
		Grouping	173

Printing	175	Reports	
Printing Charts	180	About	15, 155, 187
Printing Records	176	Administrator Only	188
Searching within Results	172	Criteria	192
Viewing	172	Designing	190
Viewing Records	176	Detail Reports	188
Quick Add	338	Emailing	193
Quick Find	25	Generating	192
Quick View	52, 56	Interface	215
R		List	189
Radio Buttons	335	Lookups	189
Record Owner	96	Open Local	193
Records		Parameters	190
Accessing Saved Views	51	Saving	193
Adding Entities	61	Summary Reports	190, 192
Auditing Changes	60	Types	187
Creating	59	Reset View	273
Creating Views	52	S	
Deleting	59	Saved Views	51, 57
Deleting Views	57	Schedule Tab	271
Displaying All	51	<i>Seal</i>	61
Editing Views	55	Send Message	100, 332, 334
Emailing Views	56	SOP (Standard Operating Procedures)	311
Entity Edit Mode	61	Spell-check	339
Exiting	60	Start Tab	271
Filtering on Listing Pane	58	Statements	
Importing Views	56	Incident Investigations	89
Locking from Editing	59	Status	96
Merging	60, 150	Status Bar	13, 272
Opening Entity's Record	61	Sub-tabs	60
Printing	59	Summaries	
Record Edit Mode	59	Case Investigations	88
Removing Entities	61	Cases	77
Saving	59	Incident Investigations	88
Saving Modified Views	55	Incidents	77
Saving New Views	54	Summary Editor	63, 88, 332
<i>Sealing Entities</i>	61	T	
Searching	25, 27, 52	Technical Support	326, 371
Sending	59	Text Editors	332
Unlocking	59	Text Fields	339
<i>Unsealing Entities</i>	61	Total Loss	
Viewing/Reading Entities	61	Under Case	110
Recovery	83	Under Incident	85
Refresh	274	Under Involved Entity	69
Regulated Time to Act (RTA)	278		

Total Recovered		Adding	148
Under Case	110	Adding Attachments	78
Under Incident	85	Adding through Gateway	130
Under Involved Entity	69	Audit History	101
Trespass Details	138	Building Visual Analysis Link Charts	153
U		Company Property	150
<i>Unseal</i>	61	Linking to Organizations	143
<i>User Defined Fields (UDF)</i>	62	Linking to Persons	142
User Interface		Linking to Vehicles	144
Analysis Expert	215	Merging	150
Arranging Panes	272	Security Controls	150
Dashboard	32	Viewing Involvements	132
Data Forms	38	Workgroup Access	96
Description	271	Viewing Pane	
Filtering Entities	273	Data Forms	39
Gateway	263–62	Gateway	263
Perspective	12	Viewing Pane Toolbar	
Reports	215	Main	59
Sorting Entities	273	Sub-Tabbed	60
User Privileges and Access Rights	16	Visual Analysis	153, 177
V		W	
Vehicles		Workgroup Visibilities	96
About	50		

Contact Information

Technical Support

Toll Free: 1-877-776-2995
Phone: (780) 448-0616
Email: support@ppm2000.com

PPM 2000

Toll Free: 1-888-PPM-9PPM (1-888-776-9776)
Phone: (780) 448-0616
Fax: (780) 448-0618
Email: information@ppm2000.com
Web Site: www.ppm2000.com