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Version 9.6 System Requirements

The following hardware requirements represent the **minimum** system requirements to install Resolver RiskVision™ V. 9.6. These specifications are for planning purposes only. To learn about the recommended hardware and software for your environment, contact [Resolver Support](#).

Hardware	Minimum
Total number of CPU cores	8
Memory	16 GB
Disk Space	At least 100 GB of free disk space



Resolver recommends increasing the RAM of the National Vulnerability Database Connector by at least 500 MB to accommodate the CPE Match Feed from RiskVision version 9.3 and higher.

Supported Third-Party Software

Product	Version
Operating System	Microsoft Windows Server® 2012 R2 Standard x64, Windows Server® 2016
Amazon Coretto (JDK)	1.8.0_275
Apache Tomcat	8.5.61
Apache Web Server	2.4.46
Apache OpenOffice	4.1.7
Jasper Reports Server	7.2
MySQL	5.7.32
Oracle	12.2.0.1
Web Browser	Microsoft Internet Explorer® 11, Microsoft Edge, Mozilla Firefox®, Google Chrome®
Adobe® Flash browser plug-in	Adobe® Flash Player, version 11 (optional)
Microsoft Visual C++	2013 x64 Redistributable - 12.0.30501, 2008 x64 Redistributable - 9.0.30729.6161 (Optional- to run Apache open office), C++ 2008 x86 Redistributable - 9.0.30729.6161, 2010 x86 Redistributable - 10.0.40219
Open SSL	1.0.2r



Users who wish to use Tomcat version 8.5.35 or above must update their RiskVision software to version 9.3 or higher.

JasperReports Server 7.2 comes with the following technologies:

Product	Version
PostgreSQL	10.5
Apache Tomcat	8.5.34
Oracle JDK 8	1.8.0_201

Version 9.6 Release Notes

The following describes the new features and improvements introduced in RiskVision version 9.6 released on July 28, 2021.

Threat Object Enhancements

[Threat objects](#) in the **Threat & Vulnerability Manager** have been updated with the following new tabs:

- [Technologies](#) (including the ability to attach technologies to threats)
- [Exploits](#)
- [Related Links](#)
- [Related Threats](#)

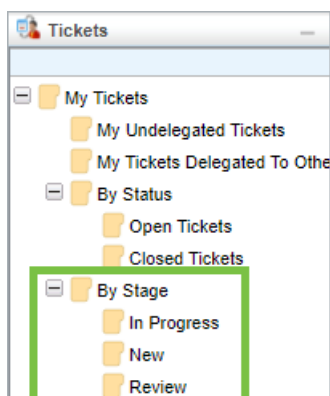
In addition, [entity objects](#) will now have a **Threats** tab and the ability to be attached to threats.

SQL Dropdown List

Users can now add custom dropdown lists that are populated by SQL queries. These can be added to any object after they are [enabled](#).

Stage Names in Sorted Order

The workflow stage names in the ticket tree have now been sorted in alphabetical order. This will make it easier for users to locate a ticket in a specific workflow stage.



Upload Connector Data for Tickets

The **Upload Connector Data** button is now accessible on the Tickets grid. This will provide users with another option to upload connector data to RiskVision.

A screenshot of the 'Open Tickets' grid. The grid displays a list of tickets with columns for Ticket ID, Title, Status, Type, Owner, Action, Entities, Risk, Progress, Created Time, and In Stage Since. The 'Upload Connector Data' button is highlighted with a green box. The grid shows two tickets: TKT00006 and TKT00005.

☐	Ticket ID	Title	Status	Type	Owner	Action	Entities	Risk	Progress	Created Time	In Stage Since
☐	TKT00006	cv1	New	Incident Response			N/A	☐ N/A	0%	2021-05-17 04:30:21	2021-05-17
☐	TKT00005	c3	New	Entity Control Resolution			N/A	☒ High	0%	2021-05-17 03:42:00	2021-05-17

Workflow Stage Legend

All Workflows will now have a legend to make it easier for users to know which workflow stage they are in, which stages they have visited, and which stages they have yet to visit.

Name: Default Ticket Workflow

Legend

Current Stage

Stages Visited

Yet to visit Stage

1 New

2 In Progress

3 Review

4 Closed

Since: 2021-05-18 10:31:28

Current Owner(s): *srinu s* (Details [🔗](#))

Stage Actions: 1 of 1 needed for moving workflow to "Closed"

1 of 1 needed for moving workflow to "In Progress"

☐ Force Transition

To use your elevated permission to force workflow transitions, please check the check box to force a transition, and then select the button below for the particular transition that you would like to force.

Approve

Reject

Delegate To

Revoke Delegation

Jasper Drilldown to My Tickets by Specific Stage

Clicking on a specific ticket folder's hyperlink in a Jasper report will redirect you to the appropriate folder in the **My Tickets** page in RiskVision.

Connectors Use User Tenant Space

All connectors will now make use of User Tenant Space rather than System Tenant Space in order to fix an issue in which CPE data was correlated with vulnerabilities. While front-end users will not notice any significant changes to how they use RiskVision, they may see duplicate CPEs as a result of this change. This can be fixed by running the [migrate_NVD_tenant.cmd](#) tool.

New Tickets Grid Custom Attributes

Users will now have the option to add the following columns to the Tickets Grid:

- External ID
- External System
- Planned Start Date
- Planned End Date
- Start Date
- End Date
- Custom Attributes
 - String1 ... String25
 - Boolean1 Boolean5
 - Long1 ... Long3
 - Float1 ... Float2
 - Date1 Date 3

Customize Grid Columns

Available Columns

☐ End Date
☐ Entities
☐ External ID
☐ External System
☐ In Stage Since
☐ Owner
☐ Planned End Date
☐ Planned Start Date
☐ Progress
☐ Risk

Selected Columns

Ticket ID
Title
Status
Type
Owner
Awaiting Action By
Entities
Risk
Progress
Created Time
In Stage Since
Custom Boolean1
Custom Boolean2
Custom Boolean3
Custom Boolean4
Custom Boolean5

Click on a selected column above to configure its display settings here.

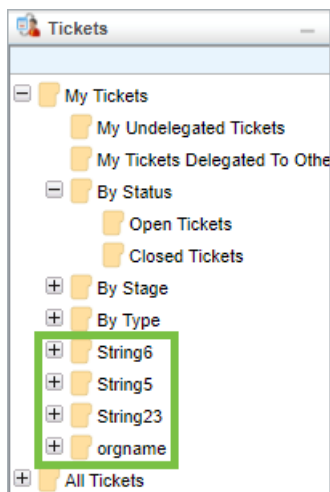
☐ Check this box to use the default column configuration.

OK

Cancel

Custom Attributes in Ticket Navigation Tree

Custom attributes can now be [set as folders](#) in the navigation tree for the Tickets Grid.



CPE Version 2.3

RiskVision is now compatible with version 2.3 of CPE which will allow it to properly display CPE URIs in a 2.3 format.

Technologies (Names starting with 'A')									
1-100 of 35819 Show 100 rows				Page 1 2 3 13 ... 359 Go to 1 Go					
New Details Delete More Actions...				Filter by - Show all - Refresh					
☐ Vendor	Name	URI	Type	Version	Of Interest	Deployed Entities	Number of Vulnerabilities	Latest Patch Date	Validated
☐ audio_file_library_project	Audio File Library Project Audio File Library 0.3.6	cpe:2.3:a:audio_file_library_project:audio_file_library:0.3.6:*****	Application	0.3.6	No	0	3	N/A	Yes
☐ a-pdf	A-PDF Restrictions Remover 1.6	cpe:2.3:a:a-pdf:restrictions_remover:1.6:*****	Application	1.6	No	0	0	N/A	Yes
☐ a-pdf	A-pdf Wav To Mp3 1.0.0	cpe:2.3:a:a-pdf:wav_to_mp3:1.0.0:*****	Application	1.0.0	No	0	1	N/A	Yes

Show Technologies with Deployed Entities Only

When searching for a technology to add to a vulnerability, threat, or entity, there is now an option to only include technologies with deployed entities in the search results.

Choose Technologies

Title

Version

Vendor

Or Just Enter Keyword

Keyword

Search

Show Technologies With Deployed Entities Only

Found more than 200 matches. Showing first 200.

Known Technologies

360 360F5 cpe:2.3:h:360:360f5:~:~:~:~:~:~
360 F5C Router cpe:2.3:h:360:f5c_router:~:~:~:~:~:~
360 P0 Router cpe:2.3:h:360:p0_router:~:~:~:~:~:~
360 Safe Router P0 cpe:2.3:h:360:safe_router_p0:~:~:~:~:~:~
360 Safe Router P1 cpe:2.3:h:360:safe_router_p1:~:~:~:~:~:~
360 Safe Router P2 cpe:2.3:h:360:safe_router_p2:~:~:~:~:~:~

Selected Technologies

OK

Cancel

Configurable Hyperlinks

Administrators can now add static weblinks when configuring RiskVision's layout by selecting the **Hyperlink message** type and enclosing the URL in two # symbols on either side.

Edit message

Message

For more information visit
##https://www.resolver.com.##

Type: Hyperlink message

Hidden: ☐

OK Cancel

New Jasper Encryption Properties

New encryption properties exist which enable users to use Jasper drilldown reports regardless of whether encryption has been enabled on the Jasper side or not.

Flash Player End of Life

As of December 31, 2020, Adobe has stopped supporting Flash content and will no longer issue any updates or security patches to the Flash Player. It is strongly recommended that all users immediately uninstall Flash Player to help protect their systems. Please refer to the [Adobe Flash Player EOL General Information Page](#) for additional information.

How it will affect RiskVision customers:

As Adobe Flash Player is no longer supported by browsers, any native, R6, or RiskVision reports (E.g., any non-Jasper based reports) that utilize Flash plugins will no longer render any Flash components. To continue using such reports, it is recommended to convert these R6 report(s) to a Jasper-based report. Contact [Resolver Support](#) for further assistance.

Compliance & Risk Score Calculation Improvements

The formulae used to calculate the [Compliance and Risk Scores](#) have been adjusted so that they now take into account the weight of controls and subcontrols to provide users with a more accurate result. The new formulae are specified in the [Control Results](#) grid.

Version 9.6 Bug Fixes

<i>SUPPORT TICKET ID</i>	<i>INTERNAL TICKET ID</i>	<i>DESCRIPTION</i>
45493	RRV-5545	A connector's heartbeat value can now be set to be less than one minute to a minimum of 30 seconds.
45440	RRV-5633	Users can now upload documents to Riskvision to a maximum of 5 GB.
N/A	RRV-5758	The Change History & Audit Log setting can now be enabled on external tickets.
43078	RRV-5909	Resolved an issue where users were unable to import CVEs from the NVD when RiskVision requests a vulnerability import through the connector manager.
47306	RRV-5972	Entities in the Ticket Grid will no longer show duplicate entries in the Awaiting Action By column.
N/A	RRV-6139	Resolved an issue where all buttons on a ticket's workflow would appear clickable even if some of them were not.
49993	RRV-6268	All email notifications sent from RiskVision will no longer display HTML tags.
48464	RRV-6294	Fixed a bug that prevented patch references from being updated when vulnerabilities were being imported from the NVD.
N/A	RRV-6401	Resolved an issue where importing vulnerability info from a scanner would not update the reference information.
53136	RRV-6550	Users can now edit Application-type entities without returning a Java error.
45790	RRV-6567	After a ticket has been created from a vulnerability's Affected Entities tab, the assigned team will now appear in the ticket's Awaiting Action column along with the assigned user.
N/A	RRV-6651	Fixed a bug that was preventing users with View and Update permissions from performing a batch workflow transition.
N/A	RRV-6652	A ticket log's toStage column will now display the correct value when a user has performed a batch workflow transition.
56875	RRV-6850	Resolved an issue where the RV server was unable to process NVDCVE json files without returning an error.
59262	RRV-6910	Resolved an issue where attempting to access a failed sub-control would return an error message.
46877	RRV-6914	Fixed an issue where restarting an assessment would not clear out the evidence log.
48722	RRV-6917	Fixed an issue where users were unable to add the custom Risk Permanent Id, Residual Impact, and Residual Likelihood columns to the Risk grid.

Version 9.6 Known Issues

TRACKING ID	DESCRIPTION
RRV-1017	JasperReports Server is unresponsive after saving a scheduled report in Internet Explorer. Workaround: This issue can be resolved by refreshing the page.
RV-22319	Not all Microsoft® Word documents can be imported as RiskVision policy documents. Workaround: Most issues can be resolved by manually editing the imported document or by copying and pasting one section at a time.
RV-24010	The default choice template (a drop-down list) does not work with table-type questions. Workaround: Create a new choice template for use with table-type questions.
RRV-2593	An error message is generated when exporting a JasperReports Server repository using the script js-export.bat. This is the result of a JasperReports Server repository that creates an error message when one should not be created. The export is fine and will be able to be successfully imported into the same or another of JasperReports Server.
RRV-2660	An error message is generated when executing the command: js-export --everything --output-zip repository.zip >>test.log. This is a known issue for Aris Corretto 8. The export and import of repository.zip is successful and there are no known issues due to this error.
RV-29911	Preferred ownership issues: - Viewing assessment details in a program can reveal all stakeholders in the workflow, rather than only the preferred owners in the current stage. - Enabling preferred ownership on a workflow that is already in use only applies to subsequent preferred ownership assessments that use the workflow. - Deleting preferred ownership from controls after the launch of assessments does not change the assignment of controls to stakeholders. - If content in a program is added at the group level, and if it has preferred ownership added at the control level, duplicate controls will be created when the program is edited, or when assessments within that program are restarted. Workaround: Assign the preferred ownership at the same level as the content added in a program. For example, if the preferred ownership is assigned to the content at the group level, assign the content to the program at the group level. If the preferred ownership is assigned to the content at the control level, assign the content to the program at the control level. - Preferred ownership works only in the first stage of assessment workflows with branching. - Controls assigned to the assessment stakeholders do not get updated after editing the program to select the "Do not assess controls with preferred ownership configured when the entities being assessed have no owners that correspond to the preferred owners associated with the control" option.
RV-29915	
RV-35429	
RV-35741	
RV-36862	
RV-36717	
RV-40613	
RV-40620	
RV-30240	A custom dashboard or chart that uses the comment column from the agl_ramitigationtable will fail to execute the query. Workaround: To execute the custom query successfully, rename the comment column to mitigation_comment.
RV-31601	The cache does not update immediately when controls and sub-controls are updated. Workaround: Wait a few minutes for the controls and sub-controls to be updated in the relevant assessments.
RV-33240	When propagation is enabled, answering the parent entity assessment will not update the scores of its child entities on the Program Details page > Assessment tab. Scores are updated correctly on the Assessment Details page > Control Results tab of the parent. Workaround: To update the scores, select the child entity, then select Propagate Control Results from the More Actions drop-down list.
RV-33301	When a user tries to run a Jaspersoft report after logging out of RiskVision, the report appears to run but is not rendered. The reason the report appears to run is that the Jaspersoft user interface is still available. Workaround: Close the browser where the Jaspersoft application is running.
RV-35412	Risks added to an assessment cannot be removed, even if the stakeholder changes the answer choice from any assessment workflow stage. Workaround: Manually delete the risks.
RV-36406	Adding the same input control multiple times when importing a RiskVision chart does not produce the desired results. Workaround: If you need to have the same input control more than once, create a new input control with a different resource ID.
RV-36472	It may not be possible to create an assessment that contains a dynamic group of more than 17,000 entities. Workaround: Whenever a dynamic group contains more than 17,000 entities, split the excess entities into a separate dynamic group and then run the assessment.
RV-36615	It is impossible to export JasperReports Server Fusion charts to formats other than PDF and HTML.

RV-37639	The schema name is saved in the database in uppercase, even if the user entered it in lowercase when creating the schema: - Whenever hyphens are used in the schema name during import, the schema name is converted to uppercase. For example, "schema-name" becomes SCHEMA-NAME. - When an export is performed with the original name (schema-name in lower case), a "schema not found" error message is thrown. Export is successful if the schema name is given in uppercase. Workaround: Avoid using hyphens in schema names. If you must use a hyphen, reference the schema name using uppercase.
RV-37753	Risks are not auto-identified and text-type sub controls fail when scoring for text-type questions is enabled in Questionnaire Presentation Options.
RV-37965	The JasperReports Server installation fails if the length of the installation path is longer than 260 characters.
RV-38326	The JasperReports Tomcat service fails to start on a computer if the JasperReports Server installation path contains special characters, such as \$, %, &, and \. The service does not start even when it is attempted manually.
RV-39271	Users with an assigned Vulnerability severity filter receive an error message when accessing the entity. Workaround: Use Entity Vulnerability General.Severity for this entity as a condition instead of Vulnerability General.Severity.
RV-39409	It is not possible to advance a workflow stage if it is assigned a team of more than 200 stakeholders.
RV-39650	Control results are not propagated down to related entities if multiple assessments for the related entities are created after the controls results have been propagated by the source entity. Workaround: Execute Propagate control results from the More Actions drop-down on the Programs > Assessments page.
RV-41364	Entities cannot be copied if they are imported into RiskVision without a primary owner. Workaround: Assign a primary owner to all imported entities before copying them.
RV-42362	Users with an Entity filter condition of Classification. Internal or external encounter an exception when running reports. Workaround: Avoid using the Classification. External or internal attribute within any filter conditions. Use the Entity. Internal or External attribute instead.
RV-42602	Entities cannot be retrieved for users with the filter condition EntityCustomAttributes_CustomText_1. Workaround: Filtering based on CLOB-type columns on the RiskVision server is not supported. Any report attribute to be excluded from filtering must be marked as a non-filterable ("filterable=false") in the ReportAttributes.xml file.
RV-42629	Data in RiskVision doesn't honor the EntityCustomAttributes_CustomEncryptedString_1 filter. Workaround: Any report attribute to be excluded from filtering must be marked as non-filterable ("filterable=false") in the ReportAttributes.xml file. ACLs with conditions based on encrypted fields are not supported.
RV-42839	Unable to load data to users with the Incident filter condition of Incident_Incident_Comment ACL. Filtering based on CLOB-type columns is not supported on the RiskVision server. Workaround: To prevent report attributes based on CLOB or similar columns from being displayed in Filter Manager's filter condition field list, mark the attributes as non-filterable ("filterable=false") in ReportAttributes.xml file.
RV-42991	Exceptions requested from Home-Exception Requests are not displayed in the Exceptions tab and Control results drill down. Workaround: Create the exceptions at the assessment level, not on the Home > Exceptions page.
RV-43058	The filter condition Entity Custom Attributes. Custom Rational Number 3 generates an error. Workaround: Add the Custom Attributes extensions for Float in the ReportAttributes.xml file: <pre><extension name="com.agilance.agent.nvd.cve.forceUpdate=true" /></pre> Restart Tomcat Services.
RRV-3019	Policy text in Edit mode is cramped and difficult to read. Workaround: Ensure the line spacing settings in Paragraph > Spacing > Line Spacing is set at Exactly 12pt or Exactly 14pt.
RRV-4012	When upgrading to RiskVision 9.3, some vulnerabilities that have been imported in NVDB are missing their attached technologies. Workaround: Post upgrade, set the following property in the Agilance properties file: com.agilance.agent.nvd.cve.forceUpdate=true. Restart the RiskVision Tomcat services and point the NVD Connector at the RiskVision database.
RRV-4336	Users running RiskVision on Firefox version 68 are unable to change an ad hoc report's type to "Table". Workaround: Run RiskVision in Google Chrome, Microsoft Edge, or any version of Mozilla Firefox below version 68.
RRV-5111	The CVSS 2.0 Score is not being updated on a freshly installed RiskVision. Workaround: Add the com.agilance.agent.nvd.cve.forceUpdate=true property to the Server/config/agilance.properties file and re-import CVEs using NVD connector.

RRV-5600	Reports with logos are failing to load for users who have upgraded from RiskVision version 9.2 to 9.4. Workaround: Follow the steps in the Reports With Logos Fail to Load article.
RRV-5921	Users are unable to change whether or not they receive notifications for scheduled R6 reports. Workaround: Open the agl_scheduledjob table and change the value of the JOB-DATA column to either TRUE or FALSE.
RRV-5922	Users with a non-administration role are unable to run reports that require input controls. Workaround: Open the applicationContext-security-web.xml file and change theproperty to read
RRV-6004	When running the Daily Server and Database Hot Backup job on a multi-tier setup, the following error message is returned: "BackupManager - Database failed due to error: com.agilance.common.ALEException:". Workaround: Install Microsoft Visual C++ 2013 at the application's server side for smoother database backup.
RRV-6007	Running the JasperRepository Export command from the C:\Server\buildomatic folder or running the Daily Server and Database Hot Backup jobs will re error message. Workaround: Replace the buildomatic folder of the reportserver in the server folder and run the js-export.cmd of the server folder in the C:\server\build folder or run the Daily Server and Database Hot Backup jobs for jasper repository backup.
RRV-6028	Attempting to export the Fusion Chart while the reportserver file is installed in a custom drive like D will return an error message. Workaround: Change the below properties in the %JASPER_HOME%\ReportServer\ReportServer\apache-tomcat\webapps\jasperserver-pro\WEB-INF\classes\jasperreports.properties file to reflect the custom drive the reportserver is installed in (e.g. if it is installed in a "D" drive, change "C" to "D".): - net.sf.jasperreports.phantomjs.executable.path=C:\\ReportServer\\ReportServer\\phantomjs\\bin\\phantomjs.exe - com.jaspersoft.jasperreports.components.customvisualization.phantomjs.executable.path=C:\\ReportServer\\ReportServer\\phantomjs\\bin\\phantomjs.exe - com.jaspersoft.jasperreports.components.customvisualization.require.js=file:///C:/ReportServer/ReportServer/apache-tomcat/webapps/jaspersenpro/optimized-scripts/bower_components/requirejs/require.js
RRV-6121	Attempting to open the 9.3.5 webservice after install returns an error message. Workaround: Copy the EncryptionUtils.class property from \\Tomcat\\webapps\\spc\\WEB-INF\\lib\\agilance-common.jar and place it in C:\\Program Files (x86)\\Agilance\\Webservices Server\\lib\\agilance-common.jar.
RRV-6319	Jasper Reports with multiple pages throw an error message while attempting to navigate from one page to the next in the Jasper Reports Server while simultaneously open in RiskVision.
RRV-6689	Users who upgrade from RiskVision 9.4 to version 9.5 or 9.6 will be unable to import threats when Tomcat is on the local service. Workaround: Change the Tomcat service with the local user account.
RRV-6770	Users are not receiving scheduled Dashboard job reports via email attachments. Workaround: Open the js.config.properties file and change the phantomjs.binary=c:\\%JASPER_HOME%\\phantomjs\\bin\\phantomjs.exe property to phantomjs.binary=c:\\%JASPER_HOME%\\phantomjs\\bin\\phantomjs.exe.

