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Version 9.5 System Requirements

The following hardware requirements represent the **minimum** system requirements to install Resolver RiskVision™ V. 9.5. 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

> [i] Resolver recommends increasing the RAM of the National Vulnerability Database Connector by at least 500 MB to accomodate 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_242
Apache Tomcat	8.5.56
Apache Web Server	2.4.43
Apache OpenOffice	4.1.7
Jasper Reports Server	7.2
MySQL	5.7.29
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

> [i] 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 9.5 Release Notes

The following describe the new features and improvements introduced in RiskVision version 9.5 released on August 26, 2020.

Vulnerability Compensating Controls

Users of the **Threat & Vulnerability Manager** application can now use vulnerability compensating controls to track a vulnerability's risk mitigations. There are two primary use cases addressed by this feature:

- Adding new compensating controls to assets; and

- Reflecting existing compensating controls that are already in place.

Vulnerability compensating controls can be created by users and attached to vulnerabilities, entities, exceptions, and tickets. Attaching the compensating controls to tickets will help track the implementation of the compensating controls while attaching the compensating controls to exceptions will help justify the exception.

Exception Enhancements

Multiple improvements have been made to the exception object across all Riskvision applications. These improvements include:

- Risk reductions from exceptions are now tied to the Status value rather than the workflow stage. This affords the flexibility to take approved exceptions to either an intermediate or terminal stage.

- Exception status values are now mapped to **Approved** so they can be named anything the user chooses.

- Users can now take risk reductions against multiple status values.

- Exceptions can now be set to expire, causing risk reductions to be reversed. Expired exceptions can be routed to whichever workflow stage the user chooses. For example, they can be moved to a review stage or a terminal stage.

The following improvements relate specifically to vulnerability exceptions:

- There can be multiple exceptions on an individual vulnerability instance.

- When an exception scope is defined as **Vulnerability Definition(s)**, **Common Platform Enumeration(s)**, or **Apply to All Vulnerability Definitions for Selected Entities**, it will automatically apply to all current vulnerability instances under the selected scope, as well as all vulnerability instances that are discovered within the scope in the future.

- Exceptions can now be created for Common Platform Enumerations (CPEs). When exceptions are created against a CPE, the exception will automatically apply to all the Common Vulnerability Enumerations (CVEs) linked to the CPEs. This can be useful, for example, if there is a technology you know you won't be able to patch for a given asset scope. Instead of having to create an exception for each vulnerability related to the CPE, you now only need to create a single exception for the entire CPE.

NOTE: After upgrading to RiskVision version 9.5 or higher, each RiskVision instance must have at least one approved status mapped before performing any action in RiskVision. To view this new page the user must have the Exception Manage permission. New installations at version 9.5 or higher will have a default mapping already provided that can be overridden.

NOTE: After upgrading to RiskVision version 9.5 or higher, the user must run the **Rebuild Grouping Cache** job. Otherwise the risk scores in a

vulnerability's Affected Entities tab will not display properly.

Attachment Encryption

Users can now re-enable or disable their RiskVision server's automatic encryption of attachments.

Upgrade Rollback Feature

RiskVision's Minor Version Upgrade Installer has a new rollback feature that allows the user to roll a component back to its previous version in the event that the upgrade fails.
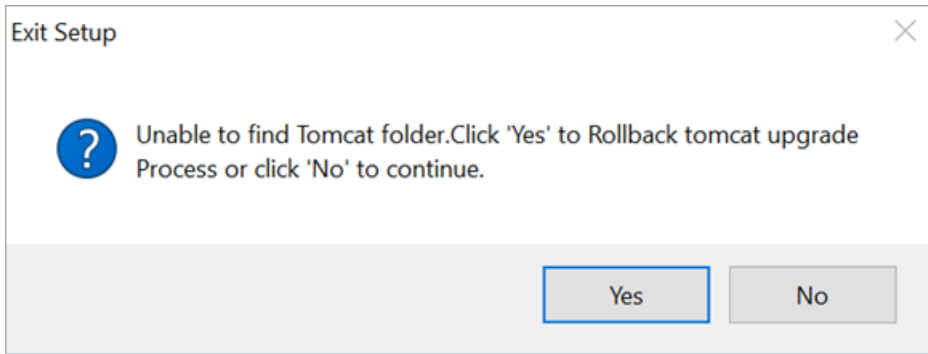
Restricted Entities Error Message

When a user who does not have permission to view all entities attempts to view a page that shows all the entities attached to a vulnerability or threat, he or she will see the following message: **You are not able to see all the entities on this page because you are restricted from seeing [quantity of hidden entities] entities**. This will make RiskVision's behavior clear when customers apply filters that restrict the data a user can view.

Classification Assessment Enhancements

RiskVision can now handle even more complex dependent questions on classification assessments by taking the latest timestamp for a given Confidentiality, Integrity, and Availability value. This allows for multiple layers of dependent questions, and allows users to implement detailed classification requirements like those detailed in NIST 800-60.

Control Results Grid Enhancements:

The Control Results grid has new **Time of Last Comment** and **Closed Related Objects** columns. In addition, the **Time** and **Related Objects** columns have been renamed to the **Time of Last Answer Change** and **Open Related Objects** columns respectively. These changes make it easier to see if a recent comment was made on a subcontrol question and whether there are any closed remediation objects associated with the subcontrol.

Furthermore, the Control/Test Details pages for controls or sub controls in the grid now have a **Status** column for the **Findings Summary**, **Tickets**

Summary, and **Exception Summary** grids.

Health Report Auto-Send Format Change

The Health Report will now be auto-sent in a .ZIP format instead of a .HTML format for customers who have the Health Report Auto-Send feature enabled. If your organization has not enabled this feature, it is recommended that you enable it to help Resolver better serve your organization.

Zombie Attachment Retrieval

RiskVision now offers a way of retrieving zombie attachments. This allows users to identify and delete unwanted files, and may improve the performance of your RiskVision instance.

Version 9.5 Bug Fixes

SUPPORT TICKET ID	INTERNAL TICKET ID	DESCRIPTION
	RRV-377	Users will no longer receive exceptions on the back-end log when the alert message "Failed to handle user action, reason: Filter by column 'Progress' error: please enter an integer value" displays.
34444	RRV-3235	Users are no longer able to manually enter past dates into the Date in Future or Date and Time in Future fields, or future dates into the Date in Past or Date and Time in Past fields.
41711	RRV-4981	Entity owners who have been set as stakeholders in a workflow's specific stage can now view assessments in other stages of the same workflow in read-only mode.
41567	RRV-5005	The Dynamic Group Map Builder and Updater jobs will now complete successfully.
N/A	RRV-5116	Users who upgrade from version 9.0 to a higher version can now create new incidents.
42934	RRV-5121	Fixed an issue where users were unable to update text-box answers in questionnaires due to caching issues.
44725	RRV-5151	RiskVision will no longer return an "Out of Memory" or "Too Many Threads" error message while activating, deactivating, editing, or deleting users during maintenance tasks and would need to be rebooted.
42831	RRV-5158	Deleting a UserID will no longer automatically delete any exception requests associated with it.
N/A	RRV-5175	Rescheduling a job from the Administration module will no longer result in an error.
42509	RRV-5274	Corrected an issue where the Database Statistics Updater job was not executing properly.
N/A	RRV-5401	Users can now enter an external role with a text string longer than 50 characters up to a maximum of 500.
44535	RRV-5465	Vulnerabilities and entities will now appear in the Vulnerabilities and Targeted Entities tabs of a Threat linked to a given CVE if the threat was imported prior to the CVE.
44618	RRV-5549	Text boxes in questionnaires will no longer allow users to enter more than 256 characters when linked database fields only hold 256 characters.
45560	RRV-5551	Increased the size of the Exploit's Author database column to accommodate larger exploit author names.
45561	RRV-5557	Increased the size of the Vulnerability Name database column to accommodate the size of a large name coming from the VulnDB Connector.
46351	RRV-5908	CVEs processed by the NVD connector will now infer the proper affected entities when there are matching CPE URIs.
		Attempting to edit the description of a sub-control in a specific imported content pack will no longer

| 46043 | RRV-6023 | yield the following error message: "This subcontrol cannot be edited because it is a duplicate record. Please contact RiskVision Support for help in resolving this issue." |

Version 9.5 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 Ser 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 A Corretto 8. The export and import of repository.zip is successful and there are no known issues due to this error.

RV-29911
 	
RV-29915
 	
RV-35429
 	
RV-35741
 	
RV-36862
 	
RV-36717
 	
RV-40613
 	
RV-40620
	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 wo
	• 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
	  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 as
	  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 c
	  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 prefer
	  ownership configured when the entities being assessed have no owners that correspond to the preferred owners associated with the control" pr
	  option.

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 > Ass 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 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" becom 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 suc 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 $, %, &, 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 bee 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 instea
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 l 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 fileACL 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 support 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: 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 Agiliance properties file: com.agiliance.agent.nvd.cve.forceUpdate=true. Restart the RiskV 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-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\buildo

	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\\pha • com.jaspersoft.jasperreports.components.customvisualization.require.js=file:///C:/ReportServer/ReportServer/apache-tomcat/webapps/jasperser\pro/optimized-scripts/bower_components/requirejs/require.js