Upgrade System Requirements

The following components must be installed to use RiskVision:

1. RiskVision Server:

   - Apache Web Server

   - Tomcat Application Server

   - MySQL or Oracle database

     > [i] If the Apache Web Server, Apache Tomcat, MySQL, and/or Java services are already installed on your system, but require a version upgrade, you may be able to use the Minor Version Upgrade installer to perform these upgrades. See the Minor Version Upgrade Installer section for more information and a list of prerequisites.

     > [i] If the user installs Apache Tomcat at a version newer than 8.5.50 (Both Risk vision and connector manager) the Tomcat service shown in **Local Service** which can cause problems in accessing folders. To ensure the smooth running of Risk Vision change the name of the service to **Local System Account**.

2. RiskVisionReport Server (JasperReports Server)

System Requirements

The following hardware requirements represent the **minimum** system requirements to install Resolver RiskVision™ V. 9.7. 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 1 GB to accomodate the CPE Match Feed from RiskVision version 9.3 and higher.

Supported Third-Party Software

Product	Version
Operating System	Microsoft Windows Server® 2019
Amazon Coretto (JDK)	1.8.0_342
Apache Tomcat	8.5.85
Apache Web Server	2.4.54
Apache OpenOffice	4.1.13
Jasper Reports Server	8.0.3
MySQL	5.7.39
Oracle	19c
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, Microsoft Visual C++ 2015 Redistributable (x64), Microsoft Visual C++ 2015-2022 Redistributable (x64) - 14.32.31332
Open SSL	1.0.2r

Log4j	2.19

> ℹ️ To use MySQL you must install Visual C++ 2015-2022 Redistributable (x64) - 14.32.31332 before upgrading to RiskVision 9.7.1.

> ℹ️ 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 7.9.2 comes with the following technologies:

Product	Version
PostgreSQL	12.4
Apache Tomcat	9.0.50
Oracle JDK 8	1.8.0_241
TIBCO Data Virtualization	8.3.0
ElasticSearch	7.13.4
Vertica	10.0

> ℹ️ **JasperReports Server 7.9 and 8.0.3** cannot be installed on a Windows 2019 OS server. The user must install Microsoft Visual C++ 2015 Redistributable (x64) first.