

# IBM TRIRIGA Application Platform 3.5.2 Compatibility Matrix

The information in this IBM TRIRIGA Application Platform 3.5.2 Compatibility Matrix is current as of [April 28, 2017](#). The IBM TRIRIGA Application Platform Compatibility Matrix provides a list of application servers, database servers, web servers, third party servers, third party components and operating systems (collectively "Environments") with which the IBM TRIRIGA Application Platform is currently certified as of the date hereof. New implementations are advised to install the most current versions of the supported third party software. If you are on an IBM TRIRIGA Application Platform version where a required third party product is not currently supported, you will need to upgrade to a more current IBM TRIRIGA Application Platform release in order to be in compliance with the supported Environments. This document is not a contract. This document, all information contained herein, and IBM's products and services are subject to change at any time with or without notice in IBM's sole and absolute discretion. Without limiting the foregoing, IBM reserves the right to change its support policies and to certify its IBM TRIRIGA Application Platform on new or different Environments and to de-certify its platform on any Environments. The information contained in this document does not affect or change IBM product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of IBM or third parties. THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROVIDED ON AN "AS IS" BASIS. In no event will IBM be liable for damages arising directly or indirectly from any use of the information contained in this document or from any changes to the information contained in this document.

For a complete list of supported versions of the IBM TRIRIGA Application Platform and IBM TRIRIGA Applications, see [IBM developerWorks](#).

See [IBM developerWorks](#) for the most current version of the IBM TRIRIGA Application Platform Compatibility Matrix.

## IBM TRIRIGA Application Version

	Supported Version	Notes
IBM TRIRIGA Applications	10.5.2, 10.5.1, 10.5, 10.4.2, 10.4.1, 10.4, 10.3.2, 10.3.1, 10.3, 10.2	Language packs for the following languages are available for IBM TRIRIGA 10.5.2: Arabic, Brazilian Portuguese, British English, Czech, Danish, Dutch, Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and US English.

## Application Servers

The IBM TRIRIGA Application Platform installer requires Java 8 and a 64-bit JDK for installation. A 64-bit JDK is required for all Application Servers. See the [IBM TRIRIGA Application Platform performance wiki](#) for sizing and performance best practices.

Application Server Options	Supported Version	Notes
IBM WebSphere Application Server Liberty profile	16.0.0.3	Oracle Java SE 8 Update 111 or IBM SDK Java 1.8_64 or higher required. The IBM TRIRIGA Application Platform is bundled with IBM WebSphere Application Server Liberty Profile version 16.0.0.3. Future fix packs for this version are also supported.
IBM WebSphere Application Server	9.0.0.1, 8.5.5.10	IBM WebSphere SDK Java Technology Edition 1.8_64 or higher is required. Future fix packs are also supported. Network Deployment is supported.
WebLogic Server	12c (12.1.3)	Oracle Sun Java 8 Update 111 or higher is required. JRocket is not supported.
Application Server Operating Systems	AIX 7.1	IBM TRIRIGA Application Platform is compatible with the operating systems listed to the left and provides the necessary installers for each. zLinux is also supported but only when running IBM WebSphere Application Server or IBM WebSphere Application Server Liberty profile. Only 64-bit operating systems are supported.
	Red Hat Enterprise Linux 7.2, 7.1, Ubuntu 16.04, SUSE Linux Enterprise 12	
	Windows Server 2012 R2	

## Database Compatibility

The IBM TRIRIGA Application Platform installer requires Java 8 and a 64-bit JDK for installation. See the [IBM TRIRIGA Application Platform performance wiki](#) for sizing and performance best practices.

Database Options	Supported Version	Notes
IBM DB2 Workgroup Server Edition for Linux, UNIX, and Windows	11.1.0.0, 10.5.0.5	Earlier versions may be compatible but IBM TRIRIGA may require a database upgrade to be supported in the event the issue only occurs on earlier versions.  IBM TRIRIGA will support future versions of the vendor's database if the vendor does not remove, or explicitly or inadvertently disable, functionality that IBM TRIRIGA products rely on. Although future versions are supported, any issue that is introduced as a result of a database upgrade might require an IBM TRIRIGA Application Platform fix pack or upgrade to be fully supported.
Oracle (Enterprise & Standard)	12.1.0.2, 11.2.0.4	DB2 is only supported when DB2 is run on Linux or Windows Server 2012 R2. Also supported on Advanced Workgroup and Enterprise Server Editions.
Microsoft SQL Server	2016	Oracle is only supported when run on Linux, AIX, or Windows Server 2012 R2.  Microsoft SQL Server requires JDBC Driver JTDS 1.3.1 and is only supported on Windows 2012 R2.

## Desktop Client Compatibility

Third Party Components	Supported Version	Notes
Oracle JRE	8 Update 111	This is the minimum version required. Future Java updates are supported but might require a platform fix pack upgrade to be fully supported. Oracle JRE is used to render Stacking, Legacy Gantt, and Legacy Availability Java applets. See IBM TRIRIGA Connector for BIM and IBM TRIRIGA CAD Integrator / Publisher sections for their related Oracle JRE requirements.
Microsoft Excel Formats	.xls, .xlsx, .xlsm	Excel sheets that are saved in Microsoft Excel formatting are required if you use IBM TRIRIGA Offline forms. See the <a href="#">TRIRIGA offline documentation</a> for information on supported formulas.
Microsoft Project	.mpp	Used to import tasks into a Gantt section.
Microsoft Internet Explorer	11	These versions are the minimum versions that are supported for each browser. IBM TRIRIGA will support future versions of a vendor's browser if the vendor does not remove, or explicitly or inadvertently disable, functionality that IBM TRIRIGA products rely on. Although future versions are supported, any issue that is introduced as a result of a browser upgrade may require an IBM TRIRIGA Platform fix pack or IBM TRIRIGA Platform upgrade to be fully supported.
Microsoft Edge	38	
Mozilla Firefox	ESR 45	
Apple Safari	10.01	
Google Chrome	54	Platform features that rely on applet technology will not work on browsers that do not support NPAPI plugins. Review the <a href="#">Java Applet Support wiki</a> for more details on these features and affected browsers.
Microsoft Windows	10, 8, 7	For IBM TRIRIGA UX Framework and Perceptive Applications support requirements, see the IBM TRIRIGA UX Framework and Perceptive Applications section.
Mac OS X	10.12	Minimum hardware requirements: 2 GHz CPU, 4 GB RAM, 100 Mbps NIC, 1280x1024 resolution  CAD Integrator and the Workplace Reservation Manager Outlook Add-in are not supported on Mac OS.
BIRT Report Designer	4.6	Required for BIRT Report development. Requires Java 8.

## IBM TRIRIGA UX Framework and Perceptive Applications

Operating Systems / Browsers	Minimum Version Supported	Notes
Apple iOS (Safari, Chrome)	10.2, 9.3	<p>Applications that are built on the IBM TRIRIGA UX Framework, including IBM TRIRIGA Perceptive Applications, support the minimum versions of the operating systems shown. For desktop support requirements, see the Desktop Client Compatibility section.</p> <p>IBM TRIRIGA supports the UX Framework components that TRIRIGA delivers and documents on the component documentation page. Code added around components supplied by TRIRIGA, such as HTML, JavaScript, or third-party code, is the responsibility of the developer.</p>
Google Android (Chrome)	7, 6	<p>IBM TRIRIGA will support future versions of a vendor's operating system or browser if the vendor does not remove, or explicitly or inadvertently disable, functionality that IBM TRIRIGA products rely on. Although future device operating system and browser versions are supported, any issue that is introduced as a result of an upgrade to those areas might require an IBM TRIRIGA fix pack or IBM TRIRIGA Platform upgrade to be fully supported.</p> <p>For requirements specific to delivered Perceptive Applications built on the UX Framework, including page orientation and resolution, see the documentation for that application.</p>
Microsoft Windows (Edge, Chrome)	10	<p>The IBM TRIRIGA UX Applications are rendered with Polymer version 1.6.1. Elements and components from the Polymer Catalog, such as iron, paper, gold, and platinum, are the most current versions as of October 20, 2016. Applications that are written on the IBM TRIRIGA UX Framework, including Perceptive Applications, might need to be updated to support the version of Polymer delivered with the IBM TRIRIGA Application Platform.</p>
Microsoft Edge	38	<p>These versions are the minimum versions that are supported for each browser. IBM TRIRIGA will support future versions of a vendor's browser if the vendor does not remove, or explicitly or inadvertently disable, functionality that IBM TRIRIGA products rely on. Although future versions are supported, any issue that is introduced as a result of a browser upgrade might require an IBM TRIRIGA Platform fix pack or IBM TRIRIGA Platform upgrade to be fully supported.</p>
Mozilla Firefox	ESR 45	
Apple Safari	10.01	
Google Chrome	54	<p>IBM TRIRIGA Perceptive Applications require the support of modern web specifications to function optimally. Only evergreen browsers (Chrome, Firefox, Edge, and Safari) are supported when using Perceptive Applications or creating custom views in the IBM TRIRIGA UX Framework. Internet Explorer 11 is not supported.</p>

## IBM TRIRIGA CAD Integrator / Publisher

	Supported Version	Notes
IBM TRIRIGA CAD Integrator / Publisher	12.1.5	Installation requires full administrator access. 64-bit operating system is required. Oracle Java 8 update 111 or higher required. Future Oracle Java updates are supported but might require a fix pack.
Autodesk AutoCAD, Autodesk AutoCAD Architecture	2017, 2016, 2015 SP1	8 GB RAM recommended. AutoCAD requires a 64-bit JRE.
Bentley MicroStation	V8i (SELECTseries 2, 3 & 4)	8 GB RAM recommended. All operating systems require both a 32-bit JRE and a 64-bit JRE, and Microsoft .Net 3.5 SP1.

## IBM TRIRIGA Connector for BIM

	Supported Version	Notes
IBM TRIRIGA Connector for BIM	1.1.3	See the <a href="#">3.5.2 Release Notes</a> for known limitations for the IBM TRIRIGA Connector for BIM. IBM TRIRIGA Connector for BIM requires Java 8 64-bit JRE for installation.
Autodesk Revit, Autodesk Revit Architecture	2017, 2014	

## IBM TRIRIGA Workplace Reservation Manager Outlook

Supported Outlook Version	Supported IBM Outlook Plugin Version	Notes
2016, 2013	1.3.4	<p>IBM TRIRIGA Workplace Reservation Manager Add-in integration with Outlook requires the following prerequisite software:</p> <ul style="list-style-type: none"> <li>▪ Microsoft .NET Framework 4.5 (x86 or x64)</li> <li>▪ Microsoft Visual Studio 2010 Tools for Office Runtime version 10.0.40820 or later (x86 or x64)</li> </ul> <p>Only supported on Windows 10 and Windows 8. Internet Explorer 11 is required on the client machine for the Outlook Add-in to display the Reserve tab.</p> <p>The prerequisite software can be downloaded from the Microsoft Download Center website: <a href="http://www.microsoft.com/en-us/download/default.aspx">http://www.microsoft.com/en-us/download/default.aspx</a></p> <p>For more information, search <i>Integrating IBM TRIRIGA with Microsoft Exchange</i> in the IBM Knowledge Center.</p> <p>Requires Microsoft Office 365 for Enterprise, Microsoft Exchange Server 2016 or 2013.</p>

## IBM Tivoli Directory Integrator

	Supported Version	Notes
IBM Tivoli Directory Integrator	7.1.1	The IBM Tivoli Directory Integrator installer must be set to Windows 7 compatibility mode to install properly.

## IBM TRIRIGA Application Platform 3.5.2 Connectors

IBM TRIRIGA supports connections to these third party systems. For support of the third party itself, contact the vendor directly.

	Supported Version	Notes
Esri ArcGIS Server	10.3	See the <a href="#">3.5.2 Release Notes</a> for information on upgrading to the JavaScript Esri viewer for ArcGIS.
Esri ArcGIS API for JavaScript	3.17	
ENERGY STAR Portfolio Manager	7	The ENERGY STAR Portfolio Manager Web Services API is used for the IBM TRIRIGA Connector for Energy Star Benchmarking. ENERGY STAR Portfolio Manager Web Services release notes can be found at the following URL: <a href="#">Release Notes</a>
IBM TRIRIGA Custom Class Loader	3.5.2	Integrations written for IBM TRIRIGA Custom Class Loader must be compatible with Oracle Java 8.
IBM TRIRIGA Connector for Business Applications	3.5.2	Integrations built for IBM TRIRIGA Connector for Business Applications must be compatible with Apache CXF 3.1.2 web service framework. More information about Apache CXF can be found at the following URL: <a href="#">Apache CXF</a>  IBM TRIRIGA Connector For Business Applications documentation can found at the following URL: <a href="#">CBA documentation</a>

## IBM TRIRIGA CMIS

	Supported Version	Notes
CMIS	1.1	IBM TRIRIGA can be configured to store documents in Enterprise Content Management systems that support the CMIS (Content Management Interoperability Services) ECM gateway Version 1.1 of the CMIS standard, as established by OASIS. These gateways are specific to the vendor of your particular ECM and should be installed accordingly if one does not already exist in your organization.

## IBM TRIRIGA Anywhere

	Supported Version	Notes
IBM TRIRIGA Anywhere	10.4.3, 10.4.2	See <a href="#">IBM.com</a> for a product overview of IBM TRIRIGA Anywhere including how to install and configure.

## Web Server / Third Party Server Compatibility

IBM TRIRIGA Application Platform supports the connection to these third-party systems. For support of the third party itself, contact the vendor directly. IBM has tested a number of configurations with the web servers listed and has confirmed that they are compatible with TRIRIGA as configured in our lab; however, configuration of web servers or third-party products is the responsibility of client IT teams. Technologies such as secure protocols (SSL), Single Sign On (SSO), firewalls, certificates and network configurations can have downstream impact on the TRIRIGA environment when misconfigured. IBM cannot support the configuration of these other technologies and might recommend the engagement of a services team.

		Supported Version	Notes
Virtualization Technologies	VMware ESXi Server, IBM SoftLayer, KVM		The virtualization technologies listed are tested. IBM TRIRIGA might be compatible with other virtualization technologies that are compatible with the IBM TRIRIGA Application Platform supported operating systems. Issues that are found only occurring on virtualization technologies would require support tickets opened with the virtualization support vendor. Database virtualization is not recommended. If virtualization of databases is unavoidable, dedicated fast storage for the database data files must still be used, with hard performance data supplied from the virtualization technology that is used to rule out that layer.
Third Party Components	Brava Enterprise Viewer	16.02 Enterprise	
	Mail (Incoming and Outbound)		SMTP is used for outbound email. The incoming mail agent can be configured for use with IMAP or POP3.
	SAP Crystal Server	2016	Only certified when run on Windows and Linux operating systems.
Single Sign On	HTTP Header		IBM TRIRIGA is compatible with Single Sign On (SSO) when SSO has been configured properly. After TRIRIGA properties are enabled for SSO, TRIRIGA authentication trusts tokens that are provided by properly configured application servers with SSO. TRIRIGA Support can assist with configuring TRIRIGA properties for SSO, but, due to the number of possible configurations and supported products/technologies, TRIRIGA Support cannot assist in the configuration of SSO with application servers. For more information refer to <a href="#">Requirements and limitations for single sign-on requests in the TRIRIGA Application Platform</a> .
	Remote User		
	User Principal		In this document, Single Sign On (SSO) refers to the ability to have a single set of credentials that use a directory server for multiple applications. By definition, SSO is not the same as Seamless Sign On, which may not challenge a user for credentials during the access process.

## IBM TRIRIGA Application Platform 3.5.2 Test Floor Configurations

The following operating system and application server configurations were used in IBM TRIRIGA Application Platform 3.5.2 certification efforts.

	Supported Version	Operating Systems		
		Windows Server 2012	Red Hat Enterprise Linux	AIX 7.1
IBM WebSphere Application Server Liberty profile	16.0.0.3	✓	✓	✓
Oracle WebLogic Server	12c (12.1.3)	✓	✓	
IBM WebSphere Application Server	9.0.0.1, 8.5.5.10	✓	✓	✓