

# IBM TRIRIGA Application Platform 3.5 Compatibility Matrix

The information in this IBM TRIRIGA Application Platform 3.5 Compatibility Matrix is current as of [April 19, 2016](#). 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](#).

## IBM TRIRIGA Application Version

	Supported Version	Notes
IBM TRIRIGA applications	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: 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 Server and Database Compatibility

The Application Server and Database Server must be in the same physical location. The minimum network speed required is Fast Ethernet (100 Mbps), switched. The number of hops between the Application Server and Database Server should be minimized. For support of third party application servers, contact the vendor directly. The IBM TRIRIGA Application Platform installer requires Java 7 and a 64-bit JDK for installation. A 64-bit JDK is required for all Application Servers.

Application Server and Database Options	Supported Version	Notes
IBM WebSphere Application Server Liberty profile	8.5.5.7	Oracle Java SE 7 Update 80 or IBM SDK Java 7.1.3.10 or higher required. Oracle Java 8 is not supported. The IBM TRIRIGA Application Platform is bundled with IBM WebSphere Application Server Liberty Profile version 8.5.5.7. Future fix packs for this version are also supported.
IBM WebSphere Application Server	8.5.5.7	IBM WebSphere SDK Java Technology Edition V7.1.3.10 or higher is required. Oracle Java 8 is not supported. Future fix packs are also supported. Network Deployment is supported.
WebLogic Server	12c (12.1.3)	Oracle Sun Java 1.7 Update 57 or higher is required. Oracle Java 8 and JRocket are not supported.
IBM DB2 Workgroup Server Edition for Linux, UNIX, and Windows	10.5.0.4	These versions are the minimum versions that are supported for each database. 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, 11.2.0.4.0	DB2 is only supported when DB2 is run on Red Hat Enterprise Linux, SUSE Linux Enterprise Server, and Windows Server 2012 R2. Also supported on Advanced Workgroup and Enterprise Server Editions.
Microsoft SQL Server	2014, 2012	Oracle is only supported when run on Red Hat Enterprise Linux, SUSE Linux Enterprise Server, AIX, and Windows Server 2012 R2. Oracle 12c is only supported when run as a single instance, and in non-container (PBD) mode.  Microsoft SQL Server requires JDBC Driver JTDS 1.3.1 and is only supported on Windows 2012 R2.
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 (7,6), SUSE Linux Enterprise Server (12,11), Ubuntu (15)	
	Windows Server 2012 R2	

## Desktop Client Compatibility

Third Party Components	Supported Version	Notes
Oracle JRE	8 Update 65, 7 Update 80	These are the minimum versions required. Future Java updates are supported but might require a platform fix pack upgrade to be fully supported. Oracle JRE is used to render Gantt, Availability, and Stacking 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. Excel sections are no longer supported. See the <a href="#">TRIRIGA offline documentation</a> for information on supported formulas.
Microsoft Project	2013, 2010	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 browsers 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.  Edge and Chrome do not support the NPAPI plug-in, which prevents Applets from loading. This prevents the Gantt, Availability, and Stacking sections from rendering in IBM TRIRIGA applications.  For IBM TRIRIGA UX Framework and Perceptive Applications support requirements, see the IBM TRIRIGA UX Framework and Perceptive Applications section.
Microsoft Edge	20	
Mozilla Firefox	ESR 38.4	
Apple Safari	9.0.1	
Google Chrome	47	
Microsoft Windows	10, 8, 7	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.
Mac OS X	10.11	
IBM TRIRIGA BIRT Plug-in	4.3.1	Required to develop BIRT Reports.

## IBM TRIRIGA UX Framework and Perceptive Applications

Operating Systems / Browsers	Supported Version	Notes
Apple iOS (Safari, Chrome)	9.1	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.  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.
Google Android (Chrome)	6, 5.1	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.
Microsoft Windows (Edge, Chrome)	10	For requirements specific to delivered Perceptive Applications built on the UX Framework including page orientation and resolution, see the documentation for that application.
Microsoft Edge	20	These versions are the minimum versions that are supported for each browser. IBM TRIRIGA will support future versions of a vendor's browsers 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.
Mozilla Firefox	ESR 38.4	
Apple Safari	9.0.1	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.
Google Chrome	47	

## IBM TRIRIGA CAD Integrator / Publisher

	Supported Version	Notes
IBM TRIRIGA CAD Integrator / Publisher	12.1.3	Installation requires full administrator access. 64-bit operating system is required. Oracle Java 7 update 80 or Java 8 update 65 recommended. Future Oracle Java updates are supported but might require a fix pack.
Autodesk AutoCAD, Autodesk AutoCAD Architecture	2016, 2015 SP1, 2014	8 GB RAM recommended. AutoCAD requires a 64-bit JRE. Not supported on Windows 10.
Bentley MicroStation	V8i 8.11.09, V8i 8.11.07	8 GB RAM recommended. All operating systems require both a 32-bit JRE and a 64-bit JRE, and Microsoft .Net 3.5 SP1. Not supported on Windows 10.

## IBM TRIRIGA Connector for BIM

	Supported Version	Notes
IBM TRIRIGA Connector for BIM	1.1.1	See the <a href="#">3.5 Release Notes</a> for known limitations for the IBM TRIRIGA Connector for BIM. IBM TRIRIGA Connector for BIM requires Java 7 or Java 8 64-bit JRE for installation.
Autodesk Revit, Autodesk Revit Architecture	2015, 2014	

## IBM TRIRIGA Workplace Reservation Manager Outlook

	Supported Version	Notes
Outlook 2013, 2010	1.3.3, 1.3.2	<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 7 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 2013, or 2010 SP3.</p>

## IBM Tivoli Directory Integrator

	Supported Version	Notes
IBM Tivoli Directory Integrator	7.1.1	See <a href="http://www.ibm.com">IBM.com</a> for more information on 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 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 Release Notes</a> for information on upgrading to the JavaScript Esri viewer for ArcGIS.
Esri ArcGIS API for JavaScript	3.11	
ENERGY STAR Portfolio Manager	5.0	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	Integrations written for IBM TRIRIGA Custom Class Loader must be compatible with Oracle Java 7.

## 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. Often technologies such as secure protocols (SSL), Single Sign On (SSO), firewalls, certificates, and network configurations can impact the smooth integration with and compatibility of TRIRIGA in those environments. IBM cannot support the configuration of these other technologies and might recommend the engagement of a services team.

		Supported Version	Notes
Web Servers	Apache HTTP Server	2.4.10	These versions are the minimum versions that are supported. Compatible on any operating system that the Web Server vendor supports.
	Microsoft IIS	8.5	
	IBM HTTP Server	8.5.5	
Virtualization Technologies	VMware ESXi Server, IBM SoftLayer, KVM	The virtualization technologies that are 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 with virtualization technologies would require support tickets opened with the virtualization support vendor. If virtualization of databases is unavoidable, then start any performance issue investigation at the virtualization layer, with hard performance data supplied from the virtualization technology that is used to rule out that layer.	
Third Party Components	Brava Enterprise Viewer	7.2 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	2013 SP4	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 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 Anywhere 10.4.2

	Supported Version	Notes
IBM TRIRIGA Application Platform	3.5, 3.4.2.1, 3.4.1.1	Supported on IBM WebSphere Application Server 8.5.5.7, IBM WebSphere Application Server Liberty Profile version 8.5.5.7, and WebLogic Server 12c (12.1.3). IBM WebSphere SDK Java Technology Edition V7.1.3.10 or higher is supported on IBM WebSphere Application Server 8.5.5.7. Oracle Java SE 7 Update 80 or IBM SDK Java 7.1.3.10 is recommended for IBM WebSphere Application Server Liberty Profile version 8.5.5.5. See the Application Server Compatibility section. Oracle Java 8 is not supported.  Language packs for the following languages are available for IBM TRIRIGA Anywhere 10.4.2: Brazilian Portuguese, British English, Czech, Danish, Dutch, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and US English.
IBM TRIRIGA Applications	10.5, 10.4.2.1, 10.4.2, 10.4.1.1	
IBM MobileFirst Platform Server	6.3.0.0	Supported on Windows Server 2012, SUSE Linux Enterprise Server v11, Red Hat Enterprise Linux v6. (64-bit only)  Supported on IBM WebSphere Application Server 8.5.5.5 and IBM WebSphere Liberty Profile 8.5.5.5. IBM WebSphere SDK Java Technology Edition V7.0.2.0 or higher is supported for IBM WebSphere Application Server. Oracle Java 8 is not supported.
IBM MobileFirst Platform Studio	6.3.0.0	Supported on Windows 7, SUSE Linux Enterprise Server v11, Red Hat Enterprise Linux v6, Macintosh OS X 10.9.4. (64-bit only)
Android	5.1, 4.4, 4.3	Space requirements: 400 MB minimum / 1 GB recommended, + map image size Memory requirements: 1 GB minimum / 2 GB recommended, + map image size IDE required for iOS: Xcode 6. Xcode 7 is not supported.
Apple iOS	9.0, 8.4, 8.2, 8.1, 7.1	
Microsoft Windows	8.1	Only supported on Windows tablets. 64-bit is required. RT version of Windows 8.1 is not supported. Space requirements: 16 GB minimum Memory requirements: 2 GB minimum

## IBM TRIRIGA Application Platform 3.5 Test Floor Configurations

The following operating system and application server configurations were used in IBM TRIRIGA Application Platform 3.5 certification efforts.

	Supported Version	Operating Systems			
		Windows Server 2012	SUSE Enterprise Linux Server	Red Hat Enterprise Linux	AIX 7.1
IBM WebSphere Application Server Liberty profile	8.5.5.7	✓	✓	✓	✓
Oracle WebLogic Server	12c (12.1.3)	✓		✓	
IBM WebSphere Application Server	8.5.5.7	✓	✓	✓	✓