IBM TRIRIGA Application Platform 4.4 Compatibility Matrix

Important

This IBM® TRIRIGA® Application Platform 4.4 Compatibility Matrix was posted on **May 15, 2023** and may have been updated. **The only valid version of this document is currently posted on the Compatibility Matrix for IBM TRIRIGA Products page on IBM Support.** Before using the information provided in this document, make sure that you have the most current version. You can use **My Notifications** on IBM Support to subscribe to "IBM TRIRIGA Application Platform" and receive updates when the Support page is updated.

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.

The IBM TRIRIGA Application Platform Compatibility Matrix will include all previously referenced third-party items that are still supported by the third party, for IBM TRIRIGA Application Platform versions that are still supported. There will be some exceptions, for example, when a new IBM TRIRIGA functionality is dependent on a third-party feature only available in later versions.

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.

Evolving computer software practices are leading to more agile responsive software management. Continuous delivery of software updates, such as the maintenance with Evergreen browsers such as Chrome and Firefox, may impact existing functionality. In such an event, IBM will review the changes, and fix of these situations may require platform and/or application fix packs to restore functionality.

To promote using current platform releases, adopting a continuous-delivery model, and to easily show customers and IBM TRIRIGA Support that a platform install may be due for an update, the Administrator Console's System Status now displays a warning if the platform build is over six months old. It is very important to keep up to date with platform releases and fix packs for security, stability, performance, and overall improvements.

To change the time period from six months, you can add the following property to the **TRIRIGAWEB.properties** file: **BUILD_DATE_WARNING=XXX**, where **XXX** is the number of days before the Administrator Console starts to display the warning message. Be aware that there is a risk when you remain on an un-patched platform version as bug fixes and vulnerability fixes are delivered with every fix pack.

See **IBM Support** for a complete list of supported versions of the IBM TRIRIGA Application Platform and IBM TRIRIGA Applications.

IBM TRIRIGA Application Version

Name	Supported Version	Notes
IBM TRIRIGA Applications	11.4, 11.3, 11.2, 11.1, 11.0, 10.8.0, 10.7.0, 10.6.1, 10.6.0	Language packs for the following languages are available for IBM TRIRIGA: Arabic, Brazilian Portuguese, British English, Czech, Danish, Dutch, Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and US English. Starting with 11.0 / 4.0, V.R.F refers to the Version, Release, and Fix Pack number of a release. For example, Fix Pack 4.0.1. Prior to 11.0 / 4.0, V.R.M.F referred to the Version, Release, Modification (Mod), and Fix Pack number of a release. For example, Fix Pack 10.6.1.1 or Fix Pack 3.6.1.1.

Database Compatibility

See the **Best Practices for System Performance** for sizing and other recommendations.

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.

Database Options	Supported Version	Notes
IBM Db2 Standard Edition for Linux, UNIX, and Windows	11.5	Db2 is only supported when Db2 is run on Linux or Windows Server 2022, 2019. Also supported on Enterprise Server Edition.
Oracle (Enterprise & Standard)	19c	Oracle is only supported when run on Red Hat Enterprise Linux, AIX, or Windows Server 2022, 2019.
Microsoft SQL Server	2022, 2019	Microsoft SQL Server requires JDBCDriver JTDS 1.3.1 and is only supported on Windows 2022, 2019.

Application Server Compatibility

The IBM TRIRIGA Application Platform installer requires a 64-bit Java 8 Virtual Machine in order to launch. In addition, a 64-bit Java 8 JDK that is supported by the Application Server vendor may be required as well. Detailed Java requirements are in the following table.

See the **Best Practices for System Performance** for sizing and other recommendations.

Application Server Options	Supported Version (Certified on Release)	Notes
IBM WebSphere Application Server Liberty Profile	22.0.0.2	IBM SDK Java 1.8_64 or Oracle Java SE 8 Update 291 or higher is required. Future Java updates are supported but might require a platform fix pack upgrade to be fully supported.
IBM WebSphere Application Server, IBM WebSphere Application Server Network Deployment	9.0.5	IBM WebSphere SDK Java Technology Edition 1.8_64 or higher is required. Future Java updates are supported but might require a platform fix pack upgrade to be fully supported. Future fix packs for this version are also supported. Important details about Network Deployment installation are **here**.
Application Server Operating Systems	AIX 7.2 Linux Kernel 3.x to 5.x Windows Server 2022, 2019	IBM TRIRIGA Application Platform is compatible with the operating systems listed to the left and provides installers for each. Only 64-bit operating systems are supported. Future fix packs for these versions are also supported.

Desktop Client Compatibility

Third-Party Components	Supported Version	Notes
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 **IBM TRIRIGA Offline** documentation for information on supported formulas.
Microsoft Project	2021, 2019	XML, Extensible Markup Language, is Microsoft's only supported method for interchanging project data with other project management applications.
Microsoft Windows	11, 10	Minimum hardware requirements: 2 GHz CPU, 8 GB RAM, 100 Mbps NIC, 1280x1024 resolution.
macOS	13.0, 12.6, 11.6	Minimum hardware requirements: 2 GHz CPU, 8 GB RAM, 100 Mbps NIC, 1280x1024 resolution. CAD Integrator is not supported on macOS. Additional macOS versions may be supported per Apple policies.
BIRT Report Designer	4.6	Required for BIRT Report development. Requires Java 8.
Microsoft Edge	110	These versions are the minimum versions that are supported for each browser. 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.
Mozilla Firefox	110, ESR 102	
Apple Safari	16	
Google Chrome	110	

IBM TRIRIGA UX Framework & Perceptive Apps

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 versions are supported, any issue that is introduced as a result of an operating system or browser upgrade might require an IBM TRIRIGA Application Platform fix pack or upgrade to be fully supported.

Operating Systems / Browsers	Minimum Supported Version	Notes
Apple iOS / iPadOS (Safari, Chrome)	16	Additional Apple iOS and macOS versions may be supported per Apple policies. 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 above. IBM TRIRIGA supports the UX Framework components that TRIRIGA delivers and documents on the UX component documentation page. Code added around components supplied by TRIRIGA, such as HTML, JavaScript, or third-party code, is the responsibility of the developer. For information about offline support, see **UX Offline Mode**. The UX Framework was enhanced to support ReactJS Web Applications. IBM TRIRIGA UX components are available in Polymer version 3.1.0 and Polymer version 1.6.1. The as-delivered IBM TRIRIGA UX Applications are rendered with Polymer version 3.1.0 and Polymer version 1.6.1. For Polymer version 3.1.0, elements and components from the Polymer Catalog, such as iron and paper, are the most current versions as of **February 20, 2019**. For 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. For information about Microsoft's support for Windows 10, see **Windows lifecycle fact sheet**.
Google Android (Chrome)	13, 12, 11, 10	
macOS (Safari, Chrome)	13.0, 12.6, 11.6	
Microsoft Windows tablet (Edge, Chrome)	11, 10	
Microsoft Windows laptop/desktop (Edge, Chrome, Firefox)	11, 10	

IBM TRIRIGA Advanced Room Search

IBM TRIRIGA Advanced Room Search is an add-in for Microsoft Outlook that replaces the IBM TRIRIGA Workplace Reservation Manager add-in for Microsoft Outlook. The Advanced Room Search add-in uses Microsoft's HTML5 add-in architecture and is delivered by using the TRIRIGA UX Framework. For more information, see **UX Room Search add-in for Outlook**.

Note: To ensure that the Advanced Room Search add-in works correctly on desktop Outlook clients on Windows, you must use the Microsoft WebView2 embedded browsers. For more information, see **Browsers used by Office Add-ins**.

IBM TRIRIGA Advanced Room Search supports user authentication via standard TRIRIGA user name and password and Exchange identity token technology for Single Sign-On (SSO) solutions. It also supports Service Provider (SP) initiated SAML, OAuth, or OpenID Connect (OIDC) SSO. It does not support Identity Provider (IdP) initiated SSO. For more information, see **Requirements for and limitations of SSO requests in the TRIRIGA Application Platform**.

Supported Outlook Version	Supported Version	Notes
Windows: Outlook 2019 1902 Mac: Outlook 2019 16.66 Outlook for Microsoft 365 (continuous delivery)	11.4	IBM TRIRIGA Advanced Room Search functions interface with Microsoft libraries and API's which may be subject to continuous revisions by Microsoft. As a result, Advanced Room Search features may be vulnerable to unforeseen impact introduced by such changes. There is a limitation where the Microsoft JavaScript Library does not support all functions (including those required by Advanced Room Search) when using Outlook for Microsoft 365 with Microsoft Exchange servers on premise. Microsoft has not yet published a roadmap that indicates when or if the library will be fully supported on Outlook for Microsoft 365 on premise.

IBM TRIRIGA CAD Integrator/Publisher

IBM TRIRIGA CAD Integrator/Publisher for Autodesk AutoCAD supports native, Basic, NTLM, SAML, OAuth, or other Single Sign-On (SSO) technologies for providing user authentication.

IBM TRIRIGA CAD Integrator/Publisher for Bentley MicroStation supports native, Basic, and NTLM technologies for providing user authentication. It does not support such technologies as SAML, OAuth, or other Single Sign-On (SSO) solutions. For more information, see **Requirements for and limitations of SSO requests in the TRIRIGA Application Platform**.

The following Autodesk AutoCAD list reflects Autodesk support policies at the time of publication. If Autodesk withdraws support for an AutoCAD version, TRIRIGA also ceases to support that version.

Product	Supported Version	Notes
IBM TRIRIGA CAD Integrator/Publisher	13.4	Installation requires full administrator access. A 64-bit operating system is required (such as Microsoft Windows 10, 64-bit). IBM SDK Java 1.8_64 or Oracle Java SE 8 Update 291 or higher is required. Future Oracle Java fix packs, but not necessarily updates, are supported but might require a fix pack. IBM TRIRIGA CAD Integrator/Publisher 13.1 for Autodesk AutoCAD requires IBM TRIRIGA Application Platform 4.0. **Note**: IBM TRIRIGA Application Platform 4.0 is still supported and does not require an upgrade to version 4.1.
Autodesk AutoCAD, Autodesk AutoCAD Architecture	2023, 2022, 2021, 2020	16 GB RAM recommended. For large drawings, 32 GB RAM recommended. AutoCAD requires a 64-bit JRE.
Bentley MicroStation	Connect Edition	16 GB RAM recommended. For large drawings, 32 GB RAM recommended. All operating systems require a 64-bit JRE, and Microsoft .Net 4.6.2.

IBM TRIRIGA Connector for BIM

IBM TRIRIGA Connector for BIM supports native and Basic technologies for providing user authentication. It also supports such technologies as SAML, OAuth, or other Single Sign-On (SSO) solutions. It does not currently support NTLM technologies.

The following Autodesk Revit list reflects Autodesk support policies at the time of publication. If Autodesk withdraws support for a Revit version, TRIRIGA also ceases to support that version.

Product	Supported Version	Notes
IBM TRIRIGA Connector for BIM	4.4, 4.3, 4.2, 4.1, 4.0, 3.8.0, 3.7.0.1, 3.7.0,	IBM TRIRIGA Connector for BIM requires Java 8 64-bit JRE for installation.
Autodesk Revit	2023, 2022, 2021, 2020	Supported by IBM TRIRIGA Connector for BIM 4.4 and 4.3.
	2021, 2020, 2019, 2018	Supported by IBM TRIRIGA Connector for BIM 3.8.0 and 3.7.0.1.
	2020, 2019, 2018	Supported by IBM TRIRIGA Connector for BIM 3.7.0.

IBM TRIRIGA Application Platform Connectors

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

Product	Supported Version	Notes
Esri ArcGIS Server	10.6	
Esri ArcGIS API for JavaScript	4.15	
ENERGY STAR Portfolio Manager	14	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 link: **Release Notes**
IBM TRIRIGA Custom Class Loader	4.4	Integrations written for IBM TRIRIGA Custom Class Loader must be compatible with the IBM or Oracle Java 8 version that is specifically running on your application server.
IBM TRIRIGA Connector for Business Applications	4.4	Integrations built for IBM TRIRIGA Connector for Business Applications must be compatible with Apache CXF 3.5.2 web service framework. More information about Apache CXF can be found at the following link: **Apache CXF** IBM TRIRIGA Connector for Business Applications documentation can found at the following link: **Integrating data with the TRIRIGA Connector for Business Applications**
Microsoft Exchange	Exchange 365 (online) and hybrid Exchange implementations	

IBM TRIRIGA CMIS

Product	Supported Version	Notes
CMIS	1.1	IBM TRIRIGA can be configured to store documents in Enterprise Content Management (ECM) systems that support the Content Management Interoperability Services (CMIS) 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.

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.

Category	Product or Component	Notes
Container Platforms		The legacy installer-based version of TRIRIGA is not available as a containerized application and is not certified as compatible with, or not supported to run on, any container platform. Customers who want a containerized version of TRIRIGA should migrate to the IBM TRIRIGA Application Suite (TAS), which is delivered on the Red Hat OpenShift Container Platform. For more information on migrating to TAS, contact your TRIRIGA sales representative.
Virtualization Technologies	VMware ESXi Server, IBM Cloud Virtual Server, KVM, AWS EC2	The virtualization technologies listed are tested. IBM TRIRIGA might be compatible with other virtualization technologies that are compatible with the supported IBM TRIRIGA Application Platform operating systems. Issues that are found only occurring on virtualization technologies would require support tickets opened with the virtualization support vendor. Whether the database layer is virtualized or runs on bare-metal hardware, dedicated fast storage for the database data files and low-latency, fast connectivity between the application server and database must be employed in order to optimize database performance.
Third-Party Components	OpenText Brava! for IBM Solutions	**Supported Version**: 16.4 Enterprise
	Mail (Incoming and Outgoing)	SMTP is used for outbound email. The incoming mail agent can be configured for use with IMAP, IMAPS, POP3, POP3S.

Category	Product or Component	Notes
Single Sign-On	HTTP Header, Remote User, User Principal	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 and technologies, TRIRIGA Support cannot assist in the configuration of SSO with WebSphere Liberty, traditional WebSphere, or other web application servers. For more information, see **Requirements for and limitations of SSO requests in the TRIRIGA Application Platform**. 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.