

IBM TRIRIGA Application Platform
Version 4 Release 4.1

Readme



Note

Before using this information and the product it supports, read the information in “Notices” on page 9.

This edition applies to version 4, release 4, modification 1 of IBM TRIRIGA Application Platform and to all subsequent releases and modifications until otherwise indicated in new editions.

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Readme File for IBM TRIRIGA Application Platform 4.4.1 Fix Pack

This fix pack updates the IBM® TRIRIGA® Application Platform product.

These release notes include the following:

- An overview of changes
- Technology preview
- Many of the descriptions include an internal reference number (Tri-nnnnnn, IJnnnnn, IVnnnnn, and/or RFE-nnnnnn)



Note - The IBM TRIRIGA wiki information, formerly located on DeveloperWorks, is migrated to [IBM Docs for IBM TRIRIGA Application Platform 3.8](#). For more information, see the [IBM TRIRIGA Release Information](#) page on IBM Support.

What's New in This Release

IBM TRIRIGA Application Platform 4.4.1 continues to add valuable functionality, fix defects, and reduce the effort necessary for new and existing customers to implement our products.

Prerequisites and Supported Products

To install this fix pack, you must have IBM TRIRIGA Application Platform 4.4 installed.

IBM TRIRIGA Supported Versions and IBM TRIRIGA Application Platform Compatibility Matrix

The *IBM TRIRIGA Supported Versions* lists information related to IBM TRIRIGA's supported products and platform and relays information about end-of-life plans for such software. The *IBM TRIRIGA Application Platform Compatibility Matrix* lists supported operating systems, databases, and related details for and about the IBM TRIRIGA Application Platform and relays information about end-of-life plans for such software. The *IBM TRIRIGA Supported Versions* and the *IBM TRIRIGA Application Platform Compatibility Matrix* may change over time. The *IBM TRIRIGA Supported Versions* and the *IBM TRIRIGA Application Platform Compatibility Matrix* can be found on IBM Support at <https://www.ibm.com/support/pages/node/1283650>.

IMPORTANT NOTICES: IBM no longer supports IBM Tivoli Directory Integrator. Migrate your TDI assemblies to a supported technology, such as Pentaho. As of version 3.6.1.2, the IBM TRIRIGA Application Platform no longer ships with or supports TDI assemblies.

As communicated in the IBM TRIRIGA Application Platform 3.6.1.2 Compatibility Matrix, IBM does not support Oracle WebLogic with IBM TRIRIGA Application Platform version 3.6.1.2 and later. Please see the Compatibility Matrix for the full listing of compatible products and versions.

Installing the IBM TRIRIGA Application Platform 4.4.1 Fix Pack

To install the TRIRIGA Application Platform 4.4.1 fix pack, refer to the following general instructions.

Procedure

1. Ensure that no database configuration changes are pending and there are no entries in the WF_EVENT or EF_QUEUE tables. You can check the status of these tables by running the following SQL statements: `select count(*) from WF_EVENT` and `select count(*) from EF_QUEUE`.
2. For IBM WebSphere® Application Server Liberty Core profile, stop all application servers before continuing the installation.
3. For IBM WebSphere Application Server, confirm that this server is started and stop all other application servers.
4. Take a backup of the database and the existing TRIRIGA install directory for each server. If necessary, you can use the backups to revert the system.
5. Download the 4.4-TIV-TAP-FP001 file.
6. Extract the file. You can extract the fix pack file into any directory.
7. Run one of following patch executable files: `fixpack_tririga_v4.4.1_Windows.exe`, `fixpack_tririga_v4.4.1_Linux.bin`, or `fixpack_tririga_v4.4.1_AIX.bin`.
8. In the Introduction pane, select **Next** or **Enter**.
9. In the license agreement, accept the terms and select **Next** or **Enter**.
10. Choose the directory where IBM TRIRIGA is installed. For example, the following directories:
`c:\ibm\tririga\` or `/opt/ibm/tririga/`.
11. Review the information and select **Next** or **Enter**.
12. The fix pack process patches the WAR file and runs any platform database fix pack scripts.



Note - In the patch folder for the 4.4.1 fix pack, when the fix pack installer backs up the `ibm-tririga.war` file, the backup `.war` file appears as the `ibs-tririga.war.bak` file.

13. For WebSphere Application Server Liberty Core profile, the WAR file deploys and the cache directories are removed. You must restart Liberty.
14. For WebSphere Application Server, the WAR file redeploys and starts automatically. If it fails, you need to manually redeploy the WAR file. The WAR file is located in one of the following TRIRIGA install root directories: `c:\ibm\tririga\ibm-tririga.war` or `/opt/ibm/tririga/ibm-tririga.war`. Refer to IBM's instructions for deploying a `.war` application.
15. For WebSphere Application Server only, a manual update might be needed to the WebSphere JVM arguments to enable the log4j2 feature logging. When you go to the TRIRIGA Administration Console and click the Error Logs tab, if the logs are not displayed correctly, you must complete the following steps to manually update the WebSphere JVM arguments:
 - a. Stop the TRIRIGA WebSphere Enterprise Application.
 - b. Manually update the Generic JVM arguments to include the following line:

```
-Dlog4j2.configurationFile=file:<INSTALLATION  
PATH>/config/log4j2.xml
```

where `<INSTALLATION PATH>` is the full path where TRIRIGA is installed.

The path to access the Generic JVM arguments is as follows:

Enterprise Applications > `<IBM-TRIRIGA application name>` > **Target specific**

application status > <server name> > **Java and Process Management** > **Process definition** > **Java Virtual Machine**
 where <IBM-TRIRIGA application name> is the TRIRIGA WebSphere Enterprise Application name and <server name> is the server name.

- c. Apply and Start the TRIRIGA WebSphere Enterprise Application.

Note: If you don't update the WebSphere JVM arguments correctly, the TRIRIGA logging might not work properly. To verify this, go to **TRIRIGA Administration Console** > **Error Logging**. If you don't see any logs, the manual update has not been done properly.

- 16. After upgrading to log4j2, the config/log4j.xml file is no longer used to configure log4j. Use the new log4j2.xml file in the config directory. If you have custom log4j settings, you can review and update the settings accordingly. For more information, see the [log4j documentation](#).

What to Do Next

After the fix pack install completes, check the platform release in the IBM TRIRIGA Administrator Console. Verify that the fix pack you just installed is listed.

Changes

The following changes to the IBM TRIRIGA Application Platform is in this release:

Area of Change	Description
Accessibility	Screen reader users can navigate through all navigation links by using the Tab key. (Tri-90719-IJ46157)
Graphics	In the Location Hierarchy - Graphics section, now the Menu buttons are read by using NVDA and JAWS without reading Blank. (Tri-90721-IJ29384).
Object Migration	In the Object Migration tool, while viewing the objects of an export or import Object Migration package in the Objects pane, a new Object Label column is now displayed. This column lists the object labels to which the objects belong. The column is ordered by object label names with all the in-progress objects at the top. (Tri-88852)
Object Migration	The processing of the object label cache has been modified to no longer use the sub-query of the My Profile table. This was causing Object Migration issues in environments with a large number of users. (Tri-90732)
Object Migration	In the Object Migration tool, while viewing the objects of an export or import Object Migration package in the Objects pane, a new Object Label column is now displayed. This column lists the object labels to which the objects belong. The column is ordered by object label names with all the in-progress objects at the top. (Tri-90469)
Perceptive App	Now only one JSESSIONID is created while trying to log in the request through OSLC Sign On. (Tri-89167-IJ45523)
Query	Resolved an issue where the modal popup windows on smaller forms were unusable due to scroll and sizing limitations. Note: Users might have to drag the modal popup window to see the entire footer pagination controls in certain queries. (Tri-89229-IJ45129)

Area of Change	Description
Reporting	Radio buttons will no longer be displayed in the sum footer of the form query and modals. (Tri-89970-IJ41196)
Reporting	In Reports, now the Screen Reader will read the checkboxes with the column name values. (Tri-90793-IJ46145)
Reporting	After applying the secondary group-by properties, you will now be able to run the reports successfully. (Tri-91262-IJ40289)
Reserve	In the foundation TRIRIGA app, while creating a reservation on the Location Reservation page by booking a room, details of the booked room are now displayed in the notification email sent to the user. (Tri-89377-IJ45616)
Reserve	In the Reserve Perceptive App, if the selected building has more than 50 spaces, then clicking 'Search' will load the first 50 spaces of the building. Clicking 'Check more' will load the next 50 spaces. (Tri-90438)
Reserve	The Date-Time format that is set in the user profile is now used in My Calendar and the Reservation calendar of a space. (Tri-88628)
Reserve	Resolved the issue with Geography and Organization security in OAuth profiles. (Tri-90120-IJ46290)
Security	Security improvements are added to the Admin Console's Database Query tool. (Tri-88849)
Security	Security improvements have been made. (Tri-87140-IJ45028)
Security	Security improvements are added to the Admin Console's Database Query Tool. (Tri-88838-IJ45028)

Related Documentation

The IBM TRIRIGA Application Suite documentation is at <https://www.ibm.com/docs/en/tas>, the IBM TRIRIGA documentation is at <https://www.ibm.com/docs/en/tririga>, and the IBM TRIRIGA Application Platform documentation is at <https://www.ibm.com/docs/en/tap>. The documentation is available online in topics or as downloadable PDF files.

Additional documentation, previously available in the IBM TRIRIGA wiki, is available on [IBM TRIRIGA Application Platform 3.8](#). For more information, see the [IBM TRIRIGA Release Information](#) page on IBM Support.

Support

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