

IBM TRIRIGA Application Platform
Version 4 Release 0.1

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 0, 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 4.0.1 Fix Pack

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

These release notes include the following:

- An overview of changes
- A list of known limitations
- 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 4.0.1 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 4.0 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: Effective April 30, 2019, 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 4.0.1 Fix Pack

To install the TRIRIGA Application Platform 4.0.1 fix pack, refer to the following general instructions.



Note - If your organization uses TRIRIGA Application Suite (TAS), see the [IBM TRIRIGA Application Suite documentation](#) for instructions on the TAS upgrade process.

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 4.0.1-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_v4.0.1_Windows.exe`, `fixpack_tririga_v4.0.1_Linux.bin`, or `fixpack_tririga_v4.0.1_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 4.0.1 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 root TRIRIGA install directories: `c:\ibm\tririga\ibm-tririga.war` or `/opt/ibm/tririga/ibm-tririga.war`. Refer to IBM's instructions for deploying a `.war` application.

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.

Important Information

The following item is important information concerning this release:

Area of Impact	Description
Administrator Console	<p>When you create a new TRIRIGA database, it is recommended to update the default System Encryption Type from SHA-1 to SHA-2. By default, the TRIRIGA user credentials are stored by using SHA-1 hashing algorithm. SHA-2 is better, more secure encryption algorithm with a minimum digest (hash value) of 512 bits.</p> <p>To update the System Encryption Type:</p> <ol style="list-style-type: none">1. After initial startup, log in to the TRIRIGA Administration Console as a system user.2. From the left menu, click System Info and review the values under System Encryption Type.3. Change the value from SHA-1 to SHA-2 and click Update Encryption Type to save changes.4. Log out of the admin console.5. Restart the application server and log in to the admin console to ensure that the existing or new password is still working without any issues. <p>(Tri-80223)</p>

Known Limitations

The following known limitation is in this release:

Area of Impact	Description
Reporting	<p>Resolved an issue on enhanced query grids where the "No data to display" message did not properly align. The "No data to display" message will no longer overlap the query header or filters. At times the alignment might not be perfectly centered, and in rare cases an overlap might still occur. This is due to a third-party limitation with AG-Grid: https://github.com/ag-grid/ag-grid/issues/2429. (Tri-75367-IJ34728)</p>

Changes

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

Area of Change	Description
Administrator Console	<p>Resolved an issue where the popup dialog containing a warning indicating an application server timeout was not appearing within SESSION_WARNING_THRESHOLD that is configured in the TRIRIGAWEB.properties file. This is applicable when the SESSION_WARNING_ENABLED property is set to Y in the TRIRIGAWEB.properties file.</p> <p>Note: Starting with platform 4.0, this feature will only operate if the TRIRIGA User Session Timeout functionality is disabled in the TRIRIGA Admin Console</p>

Area of Change	Description
	located at TRIRIGA Admin Console > System Info > TRIRIGA User Session > Disable User Session Timeout checkbox. (Tri-79737-IJ36134)
Administrator Console	In TAS, jdbcCollection="NULLIDR1" has been added to the server.xml properties.db2.jcc property in DB2/DB2WH environments for performance optimization. (Tri-80458)
UX Framework	Resolved an issue where the screen reader focused and read from the middle of the page (usually details of reservation) while using the Reservation app through the Safari browser on iPhone with voicer over enabled. The screen reader now focuses and reads from the top of the page (the home button). (Tri-80163-IJ36458)
Document Management	In the Document Manager, when you set permissions for folders, documents, and publications, the propagation settings on the Permissions tab will now be accurately processed. The Propagate them to all child folders, documents, and publications option will now properly propagate the permissions to folders, documents, and publications. Additionally, an issue related to incorrectly propagating permissions to documents when the Propagate them to child folders only option was selected has now been resolved. (Tri-79062-IJ33882)
Security	A couple of Cross Site Scripting attack issues have been resolved. (Tri-79858; Tri-79859)
Logging	The Log4J-1.2.16.jar file has been patched to remove unused appender classes. (Tri-79727)
MLA Converter	The TRIRIGA Application Platform Fix Pack 4.0.1 installer has been updated to deliver the MLA converter. (Tri-80551-IJ34608)
Reservations	When you export reservations from My Calendar, the exported list now contains both Date and Time for the reservations. (Tri-80162-IJ33390)
Reservations	Organizer email addresses from iCal notifications now correctly match user emails. (Tri-79861-IJ35170)
Reservations	Resolved an issue where Polymer Reserve errors "data in session is now invalid" and "couldn't retrieve the current location" occurred after upgrading from 3.8 to 4.0. (Tri-79693)
Reporting	Resolved an issue where the context menus that are displayed on the enhanced query grids with zero to only a few rows were being clipped and hidden. The issue was mainly occurring in the form query sections. The context menu will now be completely displayed within the grid container and will be large enough to display a scroll bar so that all menu items can be accessed. (Tri-79255-IJ35012)
Reporting	For enhanced query rendering grids, the grid context menu that contains the Copy option and sometimes the Export Excel option will now automatically hide when the grid is out of focus. Also, the context menu will no longer display if the query returns no results. (Tri-79251-IJ34265)
Reporting	Resolved an issue where the "No data to display" message overlapped the Sum footer in the portal and form sections when records were filtered with invalid data. (Tri-79738)

Area of Change	Description
Reporting	An issue that caused pagination footer to be displayed even though the reports run through the enhanced query grids returned no results has now been resolved. (Tri-IJ37483-78389)
Reporting	In TAS and Managed TAS, BIRT reports now use Secure Socket Layer (SSL) to communicate between client and the BIRT server. (Tri-79855)
Currency Items	The common-io library has been upgraded. (Tri-79857)
Currency Items	The taglibs-standard-impl JAR file has been upgraded. (Tri-79726)
Currency Items	The xmlbeans JAR file has been upgraded. (Tri-79734)
Currency Items	The batik JAR file has been upgraded. (Tri-79729)
Currency Items	The cxf-core JAR file has been upgraded. (Tri-79730)
Currency Items	The fluent-hc JAR file has been upgraded. (Tri-79854)
Currency Items	The jstl JAR file has been upgraded. (Tri-79725)
Currency Items	The mpxj JAR file has been upgraded. (Tri-79728)
Currency Items	The ognl JAR file has been upgraded. (Tri-79723)
Currency Items	The jackson-databind JAR file has been upgraded. (Tri-79732)
Currency Items	The hibernate-validator JAR file has been upgraded. (Tri-79856)
Currency Items	The db2jcc4 JAR file has been upgraded. (Tri-79731)
Currency Items	The dom4j JAR file has been upgraded. (Tri-79733)
TRIRIGA Application Suite	In TAS, for large environments where multiple UI pods exist, the UI pods are never scheduled to run on the same OpenShift Node. This ensures better availability in case one of the Nodes goes down. (Tri-80463)
TRIRIGA Application Suite	In TAS, to accommodate long running processes, TAS Operator is no longer defaulting to 5 min or managing timeout values on all OpenShift Routes. New IBM TRIRIGA Routes will not have the timeout added, while existing IBM TRIRIGA Routes might be modified to remove the timeout value or adjust it according to your needs. (Tri-80646)

Related Documentation

The IBM TRIRIGA documentation for this release is at <https://www.ibm.com/docs/en/tririga/11.0>, the IBM TRIRIGA Application Platform documentation is at <https://www.ibm.com/docs/en/tap/4.0>, and the IBM TRIRIGA Application Suite documentations is at <https://www.ibm.com/docs/en/tas>. 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.

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