IBM TRIRIGA Application Platform

Version 5 Release 0.3

Readme

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Readme File for IBM TRIRIGA Application Platform Version 5.0.3 Fix Pack

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

These release notes include the following:

- An overview of changes

- Many of the descriptions include an internal reference number (MREF-nnnnnn, IJnnnnn, IVnnnnn, and/or RFE-nnnnnn)

What's New in This Release

IBM TRIRIGA Application Platform 5.0.3 continues to add valuable functionality, fix defects, and reduce the effort necessary for new and existing customers to implement the products.

Prerequisites and Supported Products

To install this fix pack, you must have IBM TRIRIGA Application Platform 5.0 installed.

IBM TRIRIGA Supported Versions and IBM TRIRIGA Application Platform Compatibility Matrix
The IBM TRIRIGA Supported Versions page lists information about IBM TRIRIGA's supported products and platforms and information about end-of-life plans for such software, see
https://www.ibm.com/support/pages/node/1282306.

The IBM TRIRIGA Application Platform Compatibility Matrix lists supported operating systems, databases, and related details for the IBM TRIRIGA Application Platform, see
https://www.ibm.com/support/pages/node/1283650.

The IBM TRIRIGA Supported Versions and the IBM TRIRIGA Application Platform Compatibility Matrix might change over time.

IMPORTANT NOTICES: IBM no longer supports IBM Tivoli Directory Integrator (TDI). Migrate your TDI assemblies to a supported technology, such as Pentaho. As of version 3.6.1.2, the IBM TRIRIGA Application Platform is no longer included 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. See the Compatibility Matrix for the full listing of compatible products and versions.

Installing a TRIRIGA Application Platform fix pack

Complete the following steps to install a TRIRIGA Application Platform fix pack.

Procedure

1. Make sure 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 you continue the installation.
3. Take a backup of the database and the existing IBM® TRIRIGA® install directory for each server. If necessary, you can use the backups to restore the system.
4. Download the *<version>*-TIV-TAP-FP00x file. For example, 5.0-TIV-TAP-FP002.
5. Extract the file into any directory.
6. Run one of the following patch executable files:
    o   fixpack_tririga_v<version_number>_Windows.exe.
        For example,fixpack_tririga_v5.0.3_Windows.exe.
    o   fixpack_tririga_v<version_number>_Linux.bin.
7. In the Introduction pane, select **Next** or **Enter**.
8. In the license agreement, accept the terms and select **Next** or **Enter**.
9. Choose the directory where TRIRIGA is installed.
    For example: c:\ibm\tririga\ or /opt/ibm/tririga/.
10. Review the information and select **Next** or **Enter**.
11. The fix pack process patches the WAR file and runs any platform database fix pack scripts.
12. For WebSphere Application Server Liberty Core profile, the WAR file deploys and the cache directories are removed.
13. Restart WebSphere Application Server Liberty.

Additional Notes

Additional information and recommendations for users installing or upgrading to this version.

** **IMPORTANT**: As part of the Platform fix pack release 5.0.3, we have upgraded the Spring framework to 6.1.x and Spring Framework 6.1.x requires Servlet 6.0, which is part of Jakarta EE 10.

Due to this upgrade, the following changes have been made:

1. **Updated JAR files**
    The following JAR files located at InstallationDirectory/tools/BusinessConnect have been updated:

    *   TririgaCustomTask.jar
    *   TririgaBusinessConnect.jar

    Customers must use the latest versions of these JAR files from the specified location; else the integrations might break. Custom code needs to be recompiled using the above latest jars provided with this release.

2. **BIRT Viewer UI update**
    The BIRT Viewer UI has been updated as part of IBM TRIRIGA BIRT upgrade to version 4.16.0. This modernization from version 4.8.0 introduces a cleaner interface, refined styling, and enhanced responsiveness, delivering a more consistent and efficient reporting experience for business users.

Changes

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

Area of Change	Description
Accessibility	Accessibility Enhancements. (MASREF-825, 826, 827, 759)
Audit	Audit Tab Actions are now correctly displayed. (MASREF-1772-DT444085)
Exchange	Microsoft has deprecated legacy Exchange Online tokens and is turning them off for Microsoft 365 tenants, starting on February 17th, 2025.
	This fix is a solution to the deprecated legacy Exchange online token; the fix requires customer to create a Microsoft Azure app registration and a TRIRIGA OAuth profile. In the Azure App Registrations, Click "New Registration",
	In the new registration, make sure to select "Multitenant" for the supported account type. And under the Redirect URI, please select "Single-page application (SPA)", and for the redirect URI field, put [your TRIRIGA domain]/p/web/outlook/roomSearch.
	Once registered, in the App registrations page, under the "All applications", select the new registered app. This should navigate to the app, in the page, click on the "Manage > API permissions" to add the "Calendar.Read", "Mail.Read", and "User.Read" permissions.
	In the "API permissions" page, click "Add a permission". In the Request API permissions panel, click on the "Microsoft Graph". Select "Delegated permissions". Under "Select permissions", look for "Calendars.Read", "Mail.Read", and "User.Read".
	Once selected the three permissions, click on "Grant admin consent for MSFT", that way it grants consent for the request permission for all accounts in MSFT. Click on the "Overview", copy the Application (client) ID. We will need this client ID later in the TRIRIGA OAuth profile form.
	In TRIRIGA, visit Tools > System Setup > Integration > OAuth Settings. In the OAuth Settings page, click "add" at the top right corner. A new OAuth profile form will be opened. In the OAuth profile form, you can give any name (i.e Outlook Add-in), select "Microsoft" as the OAuth Provider, and "User delegate" as the Access Type.
	For the OAuth Application Key field, please paste the copied client ID from the Azure app registration. And for the OAuth Redirect URL field, please put [your TRIRIGA domain]/p/web/outlook/roomSearch. (Tri -102239, 102238-IJ54268)
Form Builder	Label checkbox is now properly aligned. (MASREF-2132-DT444084)
Incoming Email	Issues with Incoming email has been resolved. (MASREF-1771-IJ54954)
Lease Abstract form	Multi-Tabs Block/Div (Header sections) should not disappear now upon the second click or on re-render. (MASREF-1855-DT447140)

Area of Change	Description
Performance	The static resources should now be cached by the browser for performance. (Tri-102400)
Performance	Performance improvements have been made. (Tri-102401-DT443607)
Query & Reporting	The filter options for the "Number" field type are now accurately shown in the report filter modal. (Tri-102417-IJ53514)
Query & Reporting	The currency fields will get displayed properly based on the rounding rule set either in Data Modeler OR UOM_values. (Tri-101906-IJ53083)
Query & Reporting	In Summary Reports, clicking the footer row no longer triggers the "Open Record" functionality or displays the popup message: "The record you are trying to open does not have a layout set." (MASREF-1777-IJ54661)
Query & Reporting	A new property, ENABLE_SQL_WILDCARD, has been added to the TRIRIGAWEB.properties file with a default value of Y. This property controls how SQL wildcard characters % and _ are handled in query filters for Reports and Queries. When set to Y (default), % and _ function as SQL wildcards. When set to N, these characters are treated as literal values rather than wildcards. This setting allows greater flexibility in controlling query behavior based on your requirement. (MASREF-2133)
Query & Reporting	The loading indicator ("One moment please...") now consistently appears when loading a query for the first time and during subsequent refresh operations. (MASREF-2015-IJ54933)
Reporting	An issue with Sum on FR (Financial Rollup) fields not displaying with the enhanced report rendering grids has been resolved. (MASREF-1926-DT447059).
Reporting	Report titles that contain special characters are now accurately preserved during export, ensuring better consistency and formatting in exported files in query report. Some reserved characters are not fully supported in file names across most operating systems. These characters might be removed or replaced during the export process: < (less than) > (greater than): (colon) "" (double quote) / (forward slash) \ (backslash)	(vertical bar or pipe)? (question mark) * (asterisk) To avoid issues, it's best to exclude reserved characters from report titles that are intended for export. (MASREF-1925-IJ52804)
Security	poi-ooxml jar has been upgraded. (Tri-102405)
Security	On applying the java filter now system effectively prevents unauthorized objects from being loaded, reducing the risk of insecure deserialization attacks while maintaining application functionality. (Tri-102194)
Security	Security Enhancements. (Tri-102193, 102181, 102189, 102180, MASREF-1690, 1657, 1647)
Security	commons-beanutils has been upgraded. (MASREF-1655)
Security	commons-lang3 has been upgraded. (MASREF-1654)

Area of Change	Description
Security	esapi has been upgraded. (MASREF-1645)
Security	tinymce has been upgraded. (MASREF-1776)
Security	mpxj jar has been upgraded. (MASREF-2136)
Security	Apache cxf core has been upgraded. (MASREF-2130)
Security	Spring framework has been upgraded. (MASREF-1722)
Site Style Manager	Resolved an issue that prevented changes to the portal title bar background color from being applied correctly. (MASREF-1775-IJ53861)

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. 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.

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