

IBM TRIRIGA Application Platform
Version 4 Release 5.2

Readme



Note

Before using this information and the product it supports, read the information in “Notices” on page 10.

This edition applies to version 4, release 5, modification 2 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 4.5.2 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 (Tri-nnnnnn, IJnnnnn, IVnnnnn, and/or RFE-nnnnnn)



Note - The IBM TRIRIGA wiki information, formerly 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 4.5.2 continues to add valuable functionality, fix defects, and reduce the effort necessary for new and existing customers to implement the products.

Technology Preview

Technology previews allow customers early access to new capabilities. These optional features can be enabled even in a production system if desired. While running the system with a technology preview enabled, most issues will follow the standard support process. Any issue related specifically to a technology preview feature should be submitted as ideas in Aha rather than standard support tickets.

<https://www.ibm.com/support/pages/node/6438917>

IBM TRIRIGA Application Platform 4.3.1 first introduced a technology preview of updated carbon styling for TRIRIGA Foundation Forms. This feature applies new CSS overrides to all foundation forms in the system and provides the following updates:

- Form page title and state actions
- New page spinner
- Updated tabs
- Section header and section actions
- Styling updates for all field types
- New field action icons
- New box shadow for dialog pop-ups
- New label and field alignment
- Field labels wrap and ellipses
- Side-by-side sections collapse to a single column
- At smaller breakpoints, fields within sections stack to a single column

New changes to this technology preview in the 4.5 platform include:

- Enhanced handling of form section headers so that section actions no longer scroll horizontally with section content.

- Improved responsiveness for side-by-side sections with more than 2 sections side by side to allow sections to flow more intuitively as the browser width shrinks.
- Improved handling of pop-up dialogs so users no longer need to scroll to the top of long forms to fully interact with modal dialogs.
- Resolved an issue where when forms are embedded in a portal section, the state actions will no longer disappear after the user initially executes a state action.

You can enable this feature by turning ON the ‘Runtime UX Enhancement’ flag on the Admin Console > System Info tab. You can also enable the feature by adding the following line to TRIRIGAWEB.properties: ENHANCED_RECORD_RENDER_MODE=TRUE.

To customize the Enhanced Form CSS, click Tools > Administration > Platform CSS Configuration. Under the application triPlatformRecord, download the file /css/custom.css. Edit or add CSS rules to the file and then, upload the edited file to the same record.



Note - Ensure that you back up the original file before making any changes.

The 4.5 version of the platform introduces changes to the Form HTML for section headers. Any previously customized CSS override files must be updated to account for these structural changes, or the section headers will not render correctly.

Known technology preview limitations:

1. In the Work Task form, if you are not able to select the task type from the Task Type list, contact IBM Support to get an Object Migration Package (OMP) or instructions for updating the CSS manually to fix this issue.
2. The Enhanced Form Rendering technology preview uses the css :has() pseudo-class in some selectors. This CSS feature is supported in Firefox versions 103-111 by enabling the layout.css.has-selector.enabled flag.
3. When uploading a new custom.css under the application triPlatformRecord, the following attention message is displayed: “A change was saved. A revision needs to be created for the Web View.” This is expected behavior and no additional action is needed.
4. The Form CSS builds on the color pallet of the tri-carbon-style-pack that has been the default pallet for new installations of TRIRIGA since version 3.8. For the CSS overrides to harmonize with the rest of the TRIRIGA pallet, you must follow the instructions for applying the tri-carbon-style-pack: <https://github.com/IBM/tri-carbon-style-pack>.
5. Form section actions in Firefox might be displayed in gray color instead of blue.
6. When forms are accessed as a navigation item or from a bookmark, the state actions will be displayed in line with the tabs.

Prerequisites and Supported Products

To install this fix pack, you must have IBM TRIRIGA Application Platform 4.5 installed.

IBM TRIRIGA Supported Versions and IBM TRIRIGA Application Platform Compatibility Matrix

The *IBM TRIRIGA Supported Versions* page lists information that is 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* might 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 (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 the IBM TRIRIGA Application Platform 4.5.2 Fix Pack

To install the TRIRIGA Application Platform 4.5.2 fix pack, refer to the following general instructions.

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. 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 4.5-TIV-TAP-FP002 file.
6. Extract the file. You can extract the fix pack file into any directory.
7. Run one of the following patch executable files: `fixpack_tririga_v4.5.2_Windows.exe`, `fixpack_tririga_v4.5.2_Linux.bin`, or `fixpack_tririga_v4.5.2_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 4.5.2 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. 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.

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 installed is listed.

Changes

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

Area of Change	Description
Formula Engine	The DateFromDateTime system formula now truncates the DateTime field to midnight (DD/MM/YYYY 00:00:00). (Tri-94457-IJ47707)
Object Label Processing	An upgrade issue that involved a NullPointerException during object label processing is now resolved. When the full name value for a user ID is set to Null and if this user is detected for the 'Modified By' field of an object, object label processing defaults the user's full name to 'System System'. (Tri-96040-IJ49070)
Object Migration	Object Migration export no longer fails to export objects that are updated by People or MyProfile users who were retired or deleted from the system. (Tri-96033-IJ49526)
Record Runtime	In the Enhanced record render mode, an issue that caused the form section headers to disappear when an on-change workflow is fired is now resolved. (Tri-96032)
UX Framework	The issue where icons were missing in Polymer 3 Perceptive Apps is now resolved. (Tri-96462) Note: If you want this fix, you must either re-bundle your Polymer 3 Perceptive App or install IBM TRIRIGA 11.5.1 LAIFP01. To get this fix pack, contact IBM Support.
Work Task Perceptive App	The issue where the QR code and bar code scanners did not open the camera is now resolved. (Tri-94476) Note: If you want this fix, you must either re-bundle your Polymer 3 Perceptive App or install IBM TRIRIGA 11.5.1 LAIFP01. To get this fix pack, contact IBM Support.

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.

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

IBM Support assists with product defects, answering FAQs, and performing rediscovery. View the IBM Support site at www.ibm.com/support.

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