

# IBM TRIRIGA Application Platform

Version 4 Release 5.5

*Readme*



**Note**

Before using this information and the product it supports, read the information in “Notices” on page 11.

This edition applies to version 4, release 5, modification 5 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 4.5.5 Fix Pack

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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)

## What's New in This Release

IBM TRIRIGA Application Platform 4.5.5 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 4.5 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 the IBM TRIRIGA Application Platform 4.5.5 Fix Pack

To install the TRIRIGA Application Platform 4.5.5 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-FP005 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_v4.5.5_Windows.exe`, `fixpack_tririga_v4.5.5_Linux.bin`, or `fixpack_tririga_v4.5.5_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 4.5.5 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 installation is complete, 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
Security	Improvements have been made around XSS filtering and onChange workflows. (Tri-99177-IJ48766, Tri-102355-IJ48766)
Exchange Integration	Enhanced the Room Search add-in, introducing Dynamic Field Matching to support more flexible and customizable identity matching during authentication. (Tri-102288)
Exchange Integration	In a Windows environment where Outlook Desktop is signed in with multiple Exchange accounts, the Outlook Room Search add-in prompts users to select an account during authentication. This popup is considered a bug, as the add-in should automatically use the account associated with the currently selected calendar or event, without requiring manual account selection. (Tri-102273)
Security	Enhanced TRIRIGA Security on possible XSS threats (Tri-102370)
Reporting	The classification field for editable queries are saving the values which got changed and reflecting correctly. (Tri100279-IJ50346)
Accessibility	Upgraded Workplace Services and Service Request applications from polymer 1 to polymer 3 version. And also fixed accessibility issues which are listed down when running IBM Accessibility Checker Tool for Workplace Services, Service Request, Locate and Meeting/Workspace Reservation applications (Tri-102217)
Security	Security enhancements were made to mitigate Reflected cross site scripting attacks. (Tri-102316)
Record Runtime	Carriage returns are no longer losing their formatting when an onChange workflow is triggered on a text area field. (Tri-101704-IJ50656)
Exchange Integration	Fixed duplicate Update Working Hours issues. (Tri-102292-IJ54645)
Exchange Integration	Fixed Update Working Hours duplicate event creation issue with specific calendar set. (Tri-102291-IJ54645)
Outlook	Exchange Identity token is now saved as expected (Tri-102232)
CAD Integrator	Space and floor and is getting highlighted with large spec_id (Tri-101062-IJ53020)
Exchange Integration	Resolved an issue where Update Working Hours can fail if a space has existing large recurring meetings. (Tri-102108)
Exchange Integration	Old Non-working hours meeting is now removing in the outlook room calendar(Tri-102143)
Exchange Integration	The previous non-working hours meeting can now be removed from the Outlook room calendar and the new non-working hours can be updated to the space. (Tri-102110)
Exchange Integration	Setting non-working hours now correctly uses the time zone of the space when creating a 'Non-working hours' meeting. (Tri-102112)
Exchange Integration	Updating the working hours creates a recurring meeting to block non-working hours as expected. (Tri-102111)

Area of Change	Description
BIM Model Management	Models can now be uploaded with the latest Autodesk endpoints. (Tri-101877-IJ53455)
Room Panel	The Room Panel app now maintains your login session even if the server connection is interrupted or the session times out, ensuring uninterrupted access. (Tri-101929-IJ53674)
Record Runtime	Retrieve record task with large number record and with special character will not throw exception or an attention message and task will complete successfully retrieving the correct data. (Tri-101899-IJ53543)
Form Builder	Audit actions of any records or hierarchy records will be displayed in the Audit Actions tab even if the user is retired. (Tri-98103-IJ49239)
CAD Integrator	Smart attach search filter will filter the query based on name. (Tri-101886-IJ52911)
Navigation	Navigation items on portals that have a record count will properly take into consideration data security while determining the record count. (Tri-101536-IJ49690)
Workflow	Retrieve record task with large number record will not throw exception or an attention message and task will complete successfully retrieving the correct data even with operators other than IN.(Tri-101639-IJ53330)
Security	Document creators will have admin permissions on uploaded documents regardless of whether they are administrators or not because they are considered document owners. (Tri-99369-IJ49823)
Document Management	Handled an issue where assigning user or group permissions to a document resulted in the original uploader losing administrator access. (Tri-101394)
OSLC	OSLC response will display date for date fields. (Tri-100607-IJ51981)
Exchange Integration	Users can now add select query parameters to customize responses from the Microsoft Graph API. (MASREF-3175)
Exchange Integration	GraphEventsFromMailboxCustomTask is fetching the events based on the triExchangeMaxRecordCountNU value in exchange settings. (MASREF-3128)
Exchange Integration	GraphEventsFromMailboxCustomTask(com.tririga.platform.msgraph.action.GraphEventsFromMailboxCustomTask) is fetching the events based on the triExchangeMaxRecordCountNU value in exchange settings. When It is not set, it fetches 1000 events by default. (MASREF-3124)
BIRT	IBM Tririga BIRT Eclipse plugin is able to connect to the application server from Eclipse. (MASREF- 3123 - IJ48772)
BIRT	Able to see the history for the execution of a BIRT report when its run from the report manager as well as from a portal section (MASREF-3122)
Gantt Section	User is now not allowed to select an end date which is earlier than the start date in Gantt section. On the same date, if user selects the end date even just one second before the start date a pop up appears saying end date cannot be earlier than start date. (MASREF-3075)
Gantt Section	DateTimePicker is working for new task creation in Gantt section. (MASREF-3067)

Area of Change	Description
Exchange Integration	Added locationUri field to be inline with Microsoft graph to triExchangeLocation. (MASREF-3066)
Exchange Integration	The field 'triAdjustICalUidTX' is visible in ExchangeCalendarEvent form and it is updating in the Exchange Calendar event record. (MASREF-3065)
Exchange Integration	List Recurrence Custom Task is successful and giving the occurrences of the series correctly. (MASREF-3064)
Exchange Integration	Enhanced GraphReadCalendarEvent Custom Task to filter the records based on the event type. (MASREF-3063)
Exchange Integration	List Recurrence Custom Task is successful for reservation with No.of occurrences option. (MASREF-3062)
Exchange Integration	The field 'triICalUidTX' is visible in ExchangeCalendarEvent form and it is updating fine in the Exchange Calendar event record. (MASREF-3061)
Form Builder	Issue is fixed queries are not shrunk in lease records. (MASREF-2913)
Security	Apache commons beanutils jar has been upgraded to a non-vulnerable version.(MASREF-2892)
Globalization	The export functionality in reports now works properly for non-English users when the Date Time Format is set to 'MMMMM dd, yyyy hh:mm a zzz'. MASREF-2891-IJ54209)
Style Manager	Resolved an issue that prevented changes to the portal title bar background color from being applied correctly. (MASREF-2890-IJ53861)
Data Modeler	The Revision list will now be accessible in Data Modeller and Form Builder for users who were unable to access it. (MASREF-2889-IJ53089)
Gantt	The Gantt DateTime picker for Planned Start and Planned End dates will now display the saved date and time of a record, rather than the current date and time.(MASREF-2888-IJ50099)
UX Group Move App	An issue was fixed where a space was not shown between the tab name and the number badge when using triblock-tabs. (MASREF-2887-IJ52581)
Record Runtime	The background process that is called when a user is removed from a group does not take a long time even if the group contains a large number of users. (MASREF-2886-IJ16302)
Single Sign On	Several enhancements have been made to the Cloud login endpoint. These enhancements work in conjunction with the enhancements to the login screen. (MASREF-2885-IJ51197)
Record Runtime	Resolved an issue where a runtime text field error message in some scenarios was incorrectly indicating 700 as the maximum character limit, when the maximum character limit for the field was higher. The following is the affected message: "Maximum field length is 700, Text will be truncated". (MASREF-2885-IJ50436)
UX Application icons	The following Polymer 3 UX platform components have been updated with triplat-a11y icon names according to the changes for Defect 68833: triblock-app-layout, triblock-search, triblock-table, triplat-date-picker, triplat-datetime-picker and triplat-responsive-viewport. You will need to re-bundle apps that are using these components.( MASREF-2883)



Area of Change	Description
Query and reporting	<p>Multiple pop-up windows for the same record ID will no longer open when you click the query link from master detail queries fast and multiple times. For non-master detail queries, Chromium-based browsers will behave similar to other browsers where only one popup window will open per record ID when you click respective query links.</p> <p>Note: Several repetitive fast clicks on Chromium based browsers might timeout the browser session.</p> <p>(MASREF-2882-IJ46291)</p>
Workflow	The list of values for the "Field Name" and "Operator" will now display supporting Globalization. (MASREF-2730-IJ51357)
Planning Manager	New opened window from FIND button is now properly visible from any form. (MASREF-2729-DT440718)
Security	Enhanced Platform Security (MASREF-2626, MASREF-2625)
Security	Added a new Http Header - Referrer-Policy to enhance security. (MASREF-2624)
Security	Mixed content over HTTPS requests will not be loaded now, instead loads resources from the same secured origin. (MASREF-2623)
Record Runtime	Workflow Future agent now properly processes events on records with large record IDs or where the user record ID is large. This includes when processing a Lease that has a large record ID. (MASREF-2175-IJ54730)
Administrator Console	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-2174)
Form Builder	For form custom tabs, such as GIS and 3D Model, the tab height is now responsive and is no longer defaulted to a hardcoded value. (MASREF-2172-IJ52145)
Security	Security enhancements have been made to the Graphics export layer. (MASREF-2171)
License and Security	The IBM TRIRIGA Workplace Performance Management Real Estate is in the License Manager and the column values are the same as before. License is in active state. (MASREF-2170)

## Related Documentation

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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.

## Support

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IBM Software Support assists with product defects, answering FAQs, and performing rediscovery. View the IBM Software Support site at [www.ibm.com/support](http://www.ibm.com/support).

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