

IBM TRIRIGA Application Platform
Version 3 Release 8.0.5

Readme



Note

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

This edition applies to version 3, release 8, modification 0.5 of IBM TRIRIGA Application Platform and to all subsequent releases and modifications until otherwise indicated in new editions.

© Copyright International Business Machines Corporation 2024. All rights reserved.

US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

README FILE FOR IBM TRIRIGA APPLICATION PLATFORM 3.8.0.5 FIX PACK ..	2
What's New in This Release	3
Prerequisites and Supported Products.....	3
IBM TRIRIGA Supported Versions and IBM TRIRIGA Application Platform Compatibility Matrix.....	3
Installing the IBM TRIRIGA Application Platform 3.8.0.5 Fix Pack	4
Important Information	6
Known Limitations	6
Changes.....	7
RELATED DOCUMENTATION	8
SUPPORT	8
NOTICES.....	9
Privacy Policy Considerations.....	10
Trademarks	10

Readme File for IBM TRIRIGA Application Platform 3.8.0.5 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 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 3.8.0.5 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 3.8 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 3.8.0.5 Fix Pack

To install the TRIRIGA Application Platform 3.8.0.5 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 3.8.0-TIV-TAP-FP005 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_v3.8.0.5_Windows.exe`, `fixpack_tririga_v3.8.0.5_Linux.bin`, or `fixpack_tririga_v3.8.0.5_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 3.8.0.5 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. 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](#).
17. Delete the log4j-boot.jar file manually from the lib directory as it is no longer used by the TRIRIGA platform.
18. To ensure tooltips in TreeGrid (Gantt) are properly translated for non-English users, copy the contents from the /userfiles/Translations/TreeGrid/3.6.1 folder to the /userfiles/Translations/TreeGrid/4.1 folder.

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 an important information concerning this release.

Area of Impact	Description
Hierarchy Objects	The new <code>CACHE_LOAD_SIZE_FOR_ORACLE</code> property must be added in <code>TRIRIGAWEB.properties</code> and must be set to the value of <code>TREE_PAGING_SIZE</code> . It must be consistent across all your servers. After all servers are upgraded with the fix pack, the <code>CACHE_LOAD_SIZE_FOR_ORACLE</code> property can be changed but must always be the same across all your servers and must be larger than the <code>TREE_PAGING_SIZE</code> . (Tri-94520)

Known Limitations

The following known limitation concerning the IBM TRIRIGA Application Platform is in this release.

Area of Impact	Description
Logging	<p>There is a known issue with shipping TRIRIGA log4j2 configuration file that resides in the <code><ServerRoot>/config</code> directory of every TRIRIGA application server. This is for any TRIRIGA release that has log4j2 and not log4j, which includes 3.6.1.4 and later versions, 3.7.0.1 and later versions, 3.8.0.1 and later versions, 4.0.2 and later versions, and any new releases. The planned fix should be available in version 4.6.</p> <p>Known limitation: If a log file rolls automatically because of the size, which by default now is set to 10 MB, there is a potential for the log file to be overwritten instead of creating a new file. This can be resolved by updating the <code>log4j2.xml</code> on every application server.</p> <p>For every <code>RollingRandomAccessFile</code> in the <code>log4j2.xml</code> (as shipping there are 12)</p> <ol style="list-style-type: none">1. Add <code>_HH-mm</code> to the <code>filePattern</code>, this ensures the file will not be overwritten.2. Change the Policies -> <code>SizeBasedTriggeringPolicy</code> update the size to 100 MB, this increases the file size. <p>For example, update to the "SERVER" Rolling Random Access File entry would look as follows:</p> <pre><RollingRandomAccessFile name="SERVER" filename: "c:/TRIRIGA/log/server.log" filePattern="c:/TRIRIGA/log/server-%d{yyyy-MM-dd_HH-mm}.log"> <PatternLayout> <pattern>%d %-5p [%c](%t) %m%n</pattern> </PatternLayout> <Policies> <TimeBasedTriggeringPolicy interval="1440" modulate="true" /> <SizeBasedTriggeringPolicy size="100 MB"/> </Policies> </RollingRandomAccessFile></pre> <p>(TRI-91799-IJ47591)</p>

Changes

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

Area of Change	Description
Administrator Console	The error logs in the Admin Console are now sorted based on dates. (Tri-98936-IJ45290)
Administrator Console	Platform maintenance schedules for Db2 environments no longer produce SQL errors. (Tri-94466-IJ46222)
Business Connect - SOAP UI	Resolved the issue with SOAP API Upload() method in a multi-server environment where an image uploaded from one of the nodes was not accessible on another node. The image was accessible only from the node where the SOAP request was made. (Tri-99178-IJ49519)
Security	A privilege escalation vulnerability has been resolved. (Tri-98878-IJ50284)
Security	A security issue that occurred while uploading a file is now resolved. (Tri-98329-IJ49971)
Security	Security Improvements have been made. (Tri-98336)
Security	Users will be redirected to the sign in page when certain vulnerabilities are encountered. (Tri-94459)
Security	The SQL error message is no longer displayed when users try to save a bookmark folder with no name. (Tri-98998-IJ50282)
Security	Security has been enhanced for Query Actions. (Tri-98991-IJ49972)
Security	The xmlgraphics-commons.jar file has been upgraded. (Tri-95885)

Related Documentation

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

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

Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing
Legal and Intellectual Property Law
IBM Japan, Ltd.

19-21, Nihonbashi-Hakozakicho, Chuo-ku
Tokyo 103-8510, Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licenseses of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation
224A/101
11400 Burnet Road
Austin, TX 78758
U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

Privacy Policy Considerations

IBM Software products, including software as service solutions, (“Software Offerings”) may use cookies or other technologies to collect product usage information, to help improve the end user experience, to tailor interactions with the end user or for other purposes. In many cases no personally identifiable information is collected by the Software Offerings. Some of our Software Offerings can help enable you to collect personally identifiable information. If this Software Offering uses cookies to collect personally identifiable information, specific information about this offering’s use of cookies is set forth below.

This Software Offering does not use cookies or other technologies to collect personally identifiable information.

If the configurations deployed for this Software Offering provide you as customer the ability to collect personally identifiable information from end users via cookies and other technologies, you should seek your own legal advice about any laws applicable to such data collection, including any requirements for notice and consent.

For more information about the use of various technologies, including cookies, for these purposes, see IBM’s Privacy Policy at www.ibm.com/privacy and IBM's Online Privacy Statement at <http://www.ibm.com/privacy/details/us/en> in the section entitled “Cookies, Web Beacons and Other Technologies.”

Trademarks

IBM, the IBM logo, [ibm.com](http://www.ibm.com), and TRIRIGA are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at “[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)” at www.ibm.com/legal/copytrade.shtml.