

IBM TRIRIGA Application Platform
Version 3 Release 6.0.4

Readme



Note

Before using this information and the product it supports, read the information in "Notices" on page 7.

This edition applies to version 3, release 6, modification 0.4 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 3.6.0.4 Fix Pack

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

Prerequisites and Supported Products

To install this fix pack, you must have IBM TRIRIGA Application Platform 3.6.0 installed. All previous 3.6.0 fix packs are included in this fix pack.

What's New in This Fix Pack

The following enhancements were added to the IBM TRIRIGA Application Platform in this fix pack.

Area of Impact	Description
Agents	<p>In the Workflow Agent Settings, you can now dedicate a workflow agent to a group that is defined in the Security Manager, in addition to the existing behavior of dedicating to individual users. Please note that this functionality is now fully implemented and can be used in production environments. (Tri-46185, Tri-58256, Tri-58257)</p> <p> Note - Please see Important Information about agents elsewhere in this readme.</p>
REST API	<p>The REST endpoint for report metadata was enhanced to return additional data. There is now a REST endpoint to query the platform version. (Tri-59229, Tri-59230)</p>
Workflow	<p>Dynamic workflows can now pass and return parameters. Validation is minimal because the workflow is not known at design time. For debugging and enhanced runtime validation, you can turn on workflow instances and debug logging. Turn off workflow instances and debug logging in production. Parameters and return parameters are not required with dynamically called workflows. (Tri-59089)</p>
Workflow	<p>The Query task can now be set to return the number of records instead of the actual records. One way to use this feature is when you want to execute different code when records exist versus when they do not, and you do not need the records. This may improve performance as no data is fetched from the database, only the count. By default, the Query task returns the records. (Tri-59091)</p>
Workflow	<p>You can now configure a Trigger Action task to run the asynchronous event that occurs after the transition by a user other than the currently logged in user. This distribution of asynchronous events may improve performance in an environment with multiple workflow agents. The Trigger Action task can also be configured to run future actions by any specified user. Note that in each case, it is the event that runs as the specified user, not the action. (Tri-59090, Tri-59092)</p>

Installing the IBM TRIRIGA Application Platform 3.6.0.4 Fix Pack

To install the TRIRIGA Application Platform 3.6.0.4 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 profile, stop all application servers before continuing the installation.
3. For IBM WebSphere Application Server and Oracle® WebLogic 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 3.6.0-TIV-TAP-FP004 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_v3.6.0.4_Windows.exe`, `fixpack_tririga_v3.6.0.4_Linux.bin`, or `fixpack_tririga_v3.6.0.4_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 3.6.0.4 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.
15. For Oracle WebLogic Server, delete all of the cache, tmp, and `.wlnotdelete` directories under WebLogic's TRIRIGA domain after the fix pack installation is complete, as these directories might contain files that are left over from the previous application/ear installation. For example:

```
<weblogic>\user_projects\domains\tririga10domain\servers\tririgaServer\tmp  
<weblogic>\user_projects\domains\tririga10domain\servers\tririgaServer\cache
```
16. For Oracle WebLogic Server, the fix pack process attempts to redeploy the WAR file into the managed server. However, because of conditions in the server environment outside of IBM TRIRIGA's control, you might need to manually redeploy the WAR file. Restart the application

server when the fix pack completes and check the build number in the IBM TRIRIGA Administrator Console. If the old .war file still shows, redeploy the .war file. Refer to Oracle's instructions for deploying a .war application into the managed server.

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 the IBM TRIRIGA Application Platform 3.6.0.4 fix pack.

Area of Impact	Description
Agents	<p>Even though it is possible to run multiple workflow agents, there is the possibility that the workflows themselves are not designed with parallel processing and thread safe operations in mind. It is the responsibility of the implementor to make sure workflows are designed with thread safe and parallel processing in mind. Many of the as-delivered workflows were not designed with multiple workflow agent processing as a requirement, and therefore it is the responsibility of the implementor to check and configure the system if they choose to run with multiple agents. Also keep in mind that the database is the number one most important server to scale properly. You will not get better performance by just adding additional workflow agents to a system. Assigning users or groups to dedicated agents is a way to give priority to some processes over others, but is not a way to get more bandwidth out of a system. Always start scaling a system at the database, and then application designed layers and do not fall into the trap of thinking that adding more workflow agents will solve performance problems. In most cases it will make matters worse.</p> <p>When users are associated to multiple security groups and agents are configured to use groups, there is a risk that the same user can be unintentionally allowed to run multiple workflow agents, which can cause workflows to conflict. Special consideration must be applied when using groups to run agents.</p> <p>For more information, see the Best Practices for System Performance wiki, section 7.1.2.e Workflow Agent, and section 7.5.1.b Limiting the Number of Workflow Agents. The wiki is here: https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%20TRIRIGA1/page/IBM%20TRIRIGA%20tuning</p>

Resolved Issues

The following issues were resolved in the IBM TRIRIGA Application Platform 3.6.0.4 fix pack.

APAR Number	Description
IJ10160	After an application upgrade, the page that displays when you click the About link now shows the new application version. (Tri-58999)

APAR Number	Description
IJ11420	The SSO_REQUEST_ATTRIBUTE_NAME property in the TRIRIGAWEB.properties file can now be set to a blank (null) value. Users that log in when this value is set no longer experience an error. (Tri-58997)
IJ12193	When a user runs a report and closes a child record, query filters and results are not lost. (Tri-58998)
IJ14192	A new property can be added to the TRIRIGAWEB.properties file to skip the deleteObsoleteAssociations section of the Platform Maintenance Scheduler Agent. This property is not in the file by default. When the property CLEANUP_DELETE_OBSOLETE_ASSOCIATIONS=false is in the TRIRIGAWEB.properties file, the Platform Maintenance Scheduler Agent does not delete from the IBS_SPEC_ASSIGNMENTS table when the associated spec_id does not exist in the IBS_SPEC table. If you are positive that you are OK with this, add CLEANUP_DELETE_OBSOLETE_ASSOCIATIONS=false to the TRIRIGAWEB.properties file on the server running the Platform Maintenance Scheduler Agent, and that section is skipped. (Tri-59213)
IJ16240	The Excel spreadsheets attached to emails generated by the Report Scheduler now contain appropriate data instead of error messages. (Tri-59431)
IJ16786	When running BIRT reports in an environment with a dedicated BIRT server, you should no longer see an exception in the log similar to [com.tririga.platform.birt.viewer.TriResourceLocator](Default Executor-thread-226) Cannot retrieve BIRT resource. [fileName=TRIRIGALibrary.tririgalabels_en.properties]. (Tri-59347)
	In a report of type Query or Report that uses smart section columns, filters, or both, in the Columns and Filters tab, when you deselect a smart section field, you now see an alert that "You will not be able to regain this smart section field unless you revert to the previous revision. Do you want to continue?". (Tri-59386)
	In the Administrator Console, in the Workflow Agent Info object, in the User and Group List section, after you add a group and click the Restrict to User and Group List action, the changes are now saved. (Tri-58256)
	In the Administrator Console, in the Workflow Agent Info object, workflow agent configurations are now saved with restricted users and groups. (Tri-58257)
	In the Administrator Console, in the Workflow Agent Info object, the labels now reflect users and groups. (Tri-58255)
	In the Filters tab of a report, sorting the Columns list now preserves the fields that were selected as User and System filters. (Tri-59389)

APAR Number	Description
	<p>In the Report Manager, it is no longer possible to select columns from business object smart sections on new reports of type Report or type Query. The user is now instructed to add a business object to use smart section columns in a report. Existing reports with a smart section display column or filter column selected continue to show the selected column and continue to function. If you deselect a smart section column in an existing report, it is not possible to reselect it. After a user modifies an as-delivered report that includes columns selected from business object smart sections, the user must add an associated business object to use any smart section columns in the report. (Tri-59276)</p>

Information Resources

IBM Knowledge Center

https://www.ibm.com/support/knowledgecenter/SSHEB3_3.6.0/com.ibm.tap.doc/product_landing.html

Access the Knowledge Center to view the product documentation. Topics include product overviews; installation and configuration tasks; instructions for using, administering, and troubleshooting the product; and security information.

Real Estate and Facilities Management community

<https://www.ibm.com/developerworks/community/groups/service/html/communityview?communityUoid=9e3a5b9d-6a06-4796-a6c1-5137b626e39c>

Use the Real Estate and Facilities Management community to review information such as best practices, performance and tuning, and product integrations. You can also collaborate with IBM experts and the broader user community.

IBM TRIRIGA Application Platform support portal

https://www.ibm.com/support/home/product/B587581X76101M05/IBM_TRIRIGA_Application_Platform

The IBM support resources portal provides access to tools and resources to keep your systems, software, and applications running smoothly. From the support resources portal you can find fixes, service requests, useful links, and an enhanced search to help you find information quickly.

IBM TRIRIGA Application Platform Information and Support Resources

<https://www.ibm.com/support/docview.wss?uid=swg21611356>

The IBM TRIRIGA Information and Support Resources page is a collection of links and other resources that provides information and assistance for IBM TRIRIGA products.

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