IBM TRIRIGA
Version 10 Release 6.1

IBM TRIRIGA Application Platform
Version 3 Release 6.1

Release Notes

IBM.

Note
Before using this information and the product it supports, read the information in "Notices" on page 80.

Contents

Release Notes

Welcome to the December 2019 release of IBM® TRIRIGA® 10.6.1, IBM TRIRIGA Application Platform 3.6.1, IBM TRIRIGA CAD Integrator/Publisher 12.6.1, and IBM TRIRIGA Connector for BIM 3.6.0.

This release includes the following two installation options:

- A new installation of IBM TRIRIGA Application Platform 3.6.1 and IBM TRIRIGA Applications 10.6.1.
- An IBM TRIRIGA Application Platform-only upgrade installation from 3.0.x or higher to IBM TRIRIGA Application Platform 3.6.1.

The IBM TRIRIGA Applications can be incrementally upgraded to 10.6.1 Applications after the platform upgrade is completed. For more information about specific scenarios, view the Upgrading page on the IBM TRIRIGA wiki.

> **Note** – The IBM TRIRIGA wiki is planned to sunset after this release. All content will be made available at a new location. When the new location is available, it will be communicated to customers. If information you use frequently disappears from the old location on DeveloperWorks, please try searching with Google.

These release notes include the following:

- An overview of enhancements and changes
- A list of known limitations
- A list of documentation changes
- Many of the descriptions include an internal reference number (Tri-nnnnnn, IJnnnnn, IVnnnnn, and/or RFE-nnnnnn)

> **Warning** – CUSTOMERS SHOULD CONSULT WITH THEIR ACCOUNTING ADVISORS AND IMPLEMENTATION PARTNERS TO DETERMINE WHAT IMPACT, IF ANY, MAY RESULT FROM THE CHANGES IN THIS RELEASE/FIX PACK/OM PACKAGE. THIS RELEASE/FIX PACK/OM PACKAGE MAY CONTAIN CHANGES TO CERTAIN CALCULATION MODELS WHICH MAY AFFECT PREVIOUSLY PUBLISHED FINANCIAL RECORDS AND HOW FUTURE RECORDS ARE CALCULATED.

> **Note** – To request access to IBM TRIRIGA application upgrade packages or documentation for releases before IBM TRIRIGA 10.2, submit a ticket through the IBM Software Support site at www.ibm.com/support.

What's New in This Release

With IBM TRIRIGA 10.6.1, IBM TRIRIGA Application Platform 3.6.1, IBM TRIRIGA CAD Integrator/Publisher 12.6.1, and the IBM TRIRIGA Connector for BIM 3.6.0, IBM TRIRIGA continues to add valuable functionality, fix defects, and reduce the effort necessary for new and existing customers to implement our products.

IBM TRIRIGA 10.6.1 includes the following highlights.

- A new TRIRIGA Reserve room search add-in for Microsoft Outlook helps users easily find available rooms though a graphical room finder. The add-in supports direct integration with Outlook on Windows and MacOS as well as on Outlook 365 through a browser. For more information, see UX Room Search add-in for Outlook in the wiki.
- A new Perceptive Stacking app, allows users to create a stacking plan, select buildings and floors, rearrange space demand versus supply, and save the plan. The app enables space planners to quickly re-stack space plans to further optimize workspace allocations. The Stacking app is a Perceptive app created with Polymer 3. For more information, see UX Stacking app in the wiki.
- A new Perceptive Work Planner app includes drag-and-drop capability for assigning work tasks and helps to balance tasks across team members. With the new Perceptive Work Planner app, users can view the list of work tasks, assign tasks to one or more people, and edit the assignments. The Work Planner app is a Perceptive app created with Polymer 3. For more information, see UX Work Planner app in the wiki.
- The Perceptive Work Task app has been enhanced to provide facilities technicians the ability to use barcodes and QR codes to identify work tasks based on either location or asset IDs.
- A new TRIRIGA AI Assistant provides natural language conversational engagement to enable workplace occupant to reserve space, initiate service requests, and locate co-workers. TRIRIGA Assistant is an AI powered chat interface for Workplace Services Perceptive apps. This add-on makes it faster for employees to locate people or spaces, reserve meeting rooms, and report issues. Instructions and a list of trained service providers who can install and configure this add-on are available on the IBM TRIRIGA Community.
- Several Lease Accounting capabilities are improved, including those listed below. For further details on TRIRIGA Lease Accounting, see the IBM TRIRIGA Lease Accounting wiki.
  - Non-standard calendars provide lease accountants the ability to report using various calendar date structures.
  - Journal Entry performance enhancements enable accounting teams to process monthly, quarterly and annual closing processes more efficiently.
  - You can now perform a classification test for IFRS16 separately from the IAS17 treatment.
  - You can now perform a classification test for ASC842 separately from the ASC840 treatment.
  - You can now set the system lease classification thresholds when using ASC842 and IFRS16.
  - The Interest Reduction, Accrued Interest Balance, Principal Reduction, Short Term Liability, and Long Term Liability fields are added to calculate the short- and long-term liability for both Operating and Finance schedules.
  - The Gross Asset Value and Accumulated Amortization fields are added to capture the gross asset amount and calculate the accumulated amortization value for both Operating and Finance schedules.

IBM TRIRIGA Application Platform 3.6.1 includes the following highlights.

- New query and report architecture delivers enhanced user interaction with data grids throughout TRIRIGA, including features such as movable columns, pinning columns, frozen headers, frozen footer pagination bar, and frozen checkbox column. These features are supported on non-hierarchy, non-editable report and query types.
- Performance enhancements deliver optimized Journal Entry processing for Lease Accounting.
- Administrator Console enhancements provide more granular access controls for administrative functions.

- A new Object Migration REST API enables greater automation for streamlining the application upgrade process. The platform self-documents the rest endpoints. The URL on your server for the documentation would look like: https://<TRIRIGA-SERVER>/<CONTEXT>/api/doc/p/om where <TRIRIGA-SERVER> is the front end hostname or application server for your TRIRIGA instance, and <CONTEXT> is the context path of the instance, for example *https://tririga.mycompany.com/iwms/api/doc/p/om* or *http://appserver01.int.mycompany.com:8001/api/doc/p/om*
- The UX Framework now supports Polymer 3. When the IBM TRIRIGA Application Platform 3.5.0 was released in late 2015, it introduced an MVC-based UX framework for Polymer-based applications known as the IBM TRIRIGA UX Framework. At the time, our UX release was based on Polymer 1. Our UX Framework now supports both Polymer 3 and Polymer 1 apps. Both types of Perceptive apps can coexist together in the same environment. For information about converting your custom Perceptive apps from Polymer 1 to Polymer 3, see [Converting UX to Polymer 3](#) in the wiki.
- The IBM TRIRIGA Application Platform installer has been enhanced to support IBM JDK 8 and is bundled with it on Windows. Oracle Java 8 can be used as well.

IBM TRIRIGA CAD Integrator/Publisher 12.6.1 includes the following highlights.

- Enhanced error logging has been added to the batch attach process.
- The IBM TRIRIGA CAD Integrator installer has been enhanced to support IBM JDK 8 and is bundled with it. Oracle Java 8 can be used as well.

IBM TRIRIGA Connector for BIM 3.6.0 includes the following highlights.

- A space management workflow based on Revit Areas including improvements to Area to Room mapping, the ability to automatically create Area Plans by cloning Rooms, the ability to create TRIRIGA sub-space from Revit Areas, Publish support for Area Plans, sync support for areas, and deletion of TRIRIGA spaces no longer in the model.

- The ability to establish a synchronized digital twin of a building. Detailed parameter maps define which data elements are transferred to TRIRIGA, and bi-directional synchronization keeps data elements current.

- An enhanced asset management workflow including integration between Revit Families and Types and TRIRIGA Specifications, support for 8 additional specification/asset types; and many usability enhancements to the asset integration tool.

- A standard Revit property panel that displays TRIRIGA data for all elements integrated with TRIRIGA.

- The Connector can be used by design agencies without access to a TRIRIGA server to prepare a model for integration with TRIRIGA.

- The IBM TRIRIGA Connector for BIM installer has been enhanced to support IBM JDK 8 and is bundled with it. Oracle Java 8 can be used as well.

- For detailed information, see the *IBM TRIRIGA Building Information Models (BIM) User's Guide: BIM Connector 3.6.0* available from [DeveloperWorks](#).

IBM TRIRIGA 10.6.1 Enhancements

The following specific enhancements to IBM TRIRIGA are in this release in addition to the enhancements described above:

Area of Impact	Description
Asset Lease Real Estate Lease	The incentive schedule on the Accounting tab of the lease is now calculated correctly when a new incentive is added or an existing incentive is adjusted. (Tri-48183-IV94699)
Asset Lease Real Estate Lease	Two new trigger sub types, Modification Decrease in Term and Modification Extended, are added for the modification scenario. The following Journal Entry Setup Templates are updated or created: Asset - GAAP - 842 - Finance – 00045 Asset - GAAP - 842 - Operating – 00044 Asset - IFRS - 16 - Finance – 00035 Asset - IFRS - 16 - Finance – 00048 Asset Lease - GAAP - 842 - Finance – 00076 Asset Lease - GAAP - 842 - Operating – 00075 Real Estate - GAAP - 842 - Finance – 00045 Real Estate - GAAP - 842 - Finance – 00074 Real Estate - GAAP - 842 - Operating – 00044 Real Estate - GAAP - 842 - Operating – 00073 Real Estate - IFRS - 16 - Finance – 00035 Real Estate - IFRS - 16 - Finance – 00048 (Tri-56753-IJ12965)
Mobile - Work Task	In the Location Details of the UX Perceptive Work Task app, the floor plan and the BIM image are displayed in their respective tabs if both are available. If only one is available, it is displayed without the use of a tab. (Tri-51979)
Mobile - Work Task	In the UX Perceptive Work Task app, the Procedure Details page now displays the asset location if the asset has a location. (Tri-53246)
Mobile - Work Task	In the UX Perceptive Work Task app, users will now be able to add or update the value for a new mandatory "Time Category" field in the Time Log popup. (Tri-55173)
Mobile - Work Task	In the UX Perceptive Work Task app, when only one procedure is associated to a work task, clicking on the Procedure field now takes the user directly to the Procedure Steps page. (Tri-55174)
Mobile - Work Task	In the UX Perceptive Work Task app, work tasks are now sorted based on Priority and then by Planned Start. (Tri-54965)
Real Estate Project	On creating a RE Project, the payment instruction is populated on the payment schedule from the RE Lease "Default Remit To" section. (Tri-54326-IJ08777)

IBM TRIRIGA Application Platform 3.6.1 Enhancements

The following enhancements to the IBM TRIRIGA Application Platform are in this release in addition to the enhancements described above:

Area of Impact	Description
Accessibility	Resolved an issue where a pop-up window would obscure the user's view in the WPM tool. (Tri-58379-IJ15746)
Administrator Console	In the Administrator Console, you can now grant access to the Admin Console to any active user. In addition, access is now controlled object by object, instead of the three configuration options available in prior releases. Select the Admin Users object and use options in the Admin Console User Manager to control the display. You can change the number of users shown per page from the default 25 and show next or previous pages. You can show all active users or only active admin users. You can filter by complete or partial user name, full name, or both; the filters are not case sensitive. To configure a user's access to Admin Console objects, you can select Full Access to give access to all objects, Read Only to give access to non-configurable objects, and No Access to deny access to all objects. Or you can select only the desired objects. Permissions can be copied and pasted from one user to another. You can reset a user's permissions to what is saved in the database. When the access for all users on the page is the way you want it, click Save Users to update the database. Note, after you click Save Users, a subsequent reset action shows the current permissions, not any prior values. If you are upgrading from a prior version of the TRIRIGA Application Platform, existing users retain the level of access to the Admin Console defined in the upgraded release. New users created after upgrade do not have access to the Admin Console. (Tri-54830; RFE-123578)
Agents	If there are remaining tasks when the Platform Maintenance Agent stops because the number of minutes in the CLEAN_TIMEOUT TRIRIGAWEB.property is reached, the next run of the Platform Maintenance Agent starts with the next task after it stopped. Other tasks not previously processed when the timeout occurred are processed and cleaned up. (Tri-50267-IJ10978)
Agents	The WF Agent sleep time no longer defaults to 5000 ms. Now there is some variability in the sleep time to prevent multiple agents from becoming lock stepped together, overwhelming the database for requests to the same resource at the same time. (Tri-56075)
BIM Connector	The TRIRIGA code signing certificate has been renewed. The installer and jar organization will now show as WIPRO LTD. (Tri-61873)
BIM Viewer	If an object is searched from the Search bar brought up from inside the BIM tab, multiple objects are returned if they have the same name. To have the search return a unique object, click the Model Browser icon and navigate to the object. (Tri-53828)

Area of Impact	Description
Connector for BIM - Integrate Asset	With the introduction of Asset Sync, there are also changes to how Integrate Asset functions because Sync and Integrate share most of the workflows. The Specification lookup algorithm has changed. It is now: - Match Revit Type IBM.Name - Match Revit Family Name - Use existing specification - Match Revit Category Name An existing asset that has a bar code match to an asset being integrated is now moved to its location within the model. These are workflow changes, so they will impact the 2.6.0.1 connector when used with the 3.6.1 Platform version. (Tri-56394)
Extended Formula	The Administrator Console's Platform Logging page now provides an Extended Formula > Formula Calculation category to help in debugging extended formula calculation issues. (Tri-57309)
Integration	OSLC has been updated to handle GET image requests by searching in the database where user images are now stored. (Tri-59446-IJ17180)
Integration Object	The Integration Object's outbound file scheme was enhanced to include an option called "Exceed 999 Result Limit and Return Maximum?". This will appear for XML and JSON file export types. When this option is selected, all results will be returned. Also, the Parameter Custom Task was enhanced to return all results if necessary, where in prior releases, it was limited to 1000 rows. An option called "Exceed Custom Task Parameter 1000 Result Limit and Return Maximum?" was added to the Query For Outbound section of the outbound Integration Object record. When this option is selected, all results will be returned when running the Parameter Custom Task for that Integration Object record. With this Parameter Custom Task change, an Integration Object limitation was also resolved, where no results would be returned if results exceeded 1000 rows. (Tri-53944)
Object Migration API	Documentation for the Object Migration API can be found online by selecting the link to the Platform API. To access this link append the following to your TRIRIGA context url in the browser address bar: /api/doc For example: http://*TririgaServer*/api/doc **Note:** *TririgaServer* in this example is your TRIRIGA context URL. (Tri-55528)
Performance Analyzer	In the TRIRIGA Application, a new feature was added to the Performance Analyzer that orders the results in the Result Summary tab. An "Order by" dropdown list will now sort the results by a selected column in descending order. (Tri-49511)
Performance Analyzer	The new Current Active Users on Server section of the Performance Analyzer in the TRIRIGA application shows the number of users that are active on the server. You can use the refresh button to check if the value has changed. (Tri-48360)

Area of Impact	Description
Performance Analyzer	Two new categories were added to performance logging. By default, these categories are not selected, which eliminates the volume and type of information that can cause other timings to increase. For truer results, do not use Extended Formula -> Calculation -> Add Object Labels or SQL -> Add Bind Variables. Only use these two new categories when that information is needed. (Tri-48934)
Platform Logging	A new logging category has been added to the Workflow Logging section in Admin Console > Platform Logging menu. It is called Create-Modify Task, and it will track the workflow execution whenever a Create or Modify Task is used. The additional logging information with the execution time will be added to the performance.log only when selected. This can be useful when trying to optimize workflow execution on long running business processes, for example when creating new leases. (Tri-49515)
Query and Reporting	All popup queries regardless of query display type will now have a drop shadow behind the popup dialog window. Popup queries include query section action modal dialogs and locator queries. (Tri-60207)
Query and Reporting	The enhanced query grid will now be displayed in advanced view portal sections, maximized portal sections, and portal sections displayed in a new window, for non-hierarchy, non-editable, report and query display types. (Tri-55128)
Query and Reporting	The enhanced query grid will now be displayed in navigation landing pages for non-hierarchy, non-editable, report and query display types. (Tri-55129)
Query and Reporting	The enhanced query grid will now be displayed in popup queries for non-hierarchy, non-editable, report and query display types. Popup queries include query section action modal dialogs and locator queries. (Tri-55127)
Query and Reporting	The enhanced query grid will now be displayed in query sections in forms for non-hierarchy, non-editable, report and query display types. (Tri-55125)
Query and Reporting	The enhanced query grid will now be displayed in query sections in the Form Builder for non-hierarchy, non-editable, report and query display types. (Tri-55126)
Query and Reporting	The enhanced query grid will now be displayed in reports that are run directly from the Report Manager for non-hierarchy, non-editable, report and query display types. (Tri-55116)
Query and Reporting	Where the enhanced query grid is used, all pagination functionality will appear on a frozen pagination bar at the bottom of the query results. (Tri-59273)
Query and Reporting	Where the enhanced query grid is used, image fields that do not contain an image will be displayed with a light gray image placeholder in the query results for that field. (Tri-55283)
Query and Reporting	Where the enhanced query grid is used, text wrapping will not occur if the text in the query cell is longer than the column width. The displayed text will be a single line and an ellipsis (…) will indicate that there is additional text that could not fit in the column width. Users can either hover over the query cell to see the entire text in a tool tip or can manually drag the column to a larger size that will fit the entire text. (Tri-55151)

Area of Impact	Description
Query and Reporting	Where the enhanced query grid is used, the check box / radio button column will initially display as a frozen column on the left side of the query results. (Tri-56142)
Query and Reporting	Where the enhanced query grid is used, the show more filters and show less filters links have been replaced with a toggle icon. (Tri-55145)
Security	jQuery libraries are upgraded to version 3.4.1. (Tri-59719)
System Setup	An issue was resolved where DataConnect and CBA integrations incorrectly allowed non-midnight adjusted timestamp values to be entered as date-field values. This fix also ensures that non-relative and relative date-field midnight adjustments occur with consistent behavior as the rest of the platform.

To keep the date-field integration behavior the same as it was prior to this release, select the Date Field Processing Options > Integration Processing option in the System Info page of the Administrator Console. (Tri-53231) |
| System Setup | Three new TRIRIGA Admin Console date field specific properties have been added to the System Info page. (TRIRIGA Admin Console - > System Info -> Date Field Processing Options).

General Processing - This option uses pre-3.6.1 platform handling for date field entry including relative date fields in formula calculations.

Integration Processing - This option uses pre-3.6.1 platform handling for date field entry via integrations using DataConnect or Connector for Business Applications (CBA). This option is automatically selected if General Processing is selected.

Default Value Processing - This option uses pre-3.6.1 platform handling for current date default values. This option uses the server time zone for processing the current date when it is defined as the default value for a date field.

With these new properties there is also a new Environment Properties Cache listing in the Cache page of the TRIRIGA Admin Console (TRIRIGA Admin Console - > Cache). The cached values for the date processing selections above will be controlled by Environment Properties Cache. (Tri-55814) |
UX Framework	"A new CSS mixin named ""--triplat-select-input-input"" was added to triplat-select-input. When used, you can change the style of the input field. For example, you can change the font size, font color, and font weight. This change was only made for the Polymer 3 version of triplat-select-input. (Tri-59507)
UX Framework	A new property named noFloatLabel was added to triplat-select-input. When used, this property disables the floating label. This change was only made for the Polymer 3 version of triplat-select-input. (Tri-59326)
UX Framework	Added new icons in the triplat-icon ibm-icons-glyphs library: bar-code and qr-code. This change was only made for the Polymer 3 version of triplat-icon. (Tri-59331)
UX Framework	IBM's Carbon-design icons were added to the UX Framework (for accessibility, avatar, desktop, filter, mobile, presentation, restaurant, and video-on). For more information, refer to the UX component documentation for the Polymer 3 triplat-icon component. (Tri-60650)

Area of Impact	Description
UX Framework	In triplat-code-scanner, you can use the new "hasCamera" function to determine whether the current device that is running a code-scanner component has a camera. (Tri-59482)
UX Framework	The Component Link Fix action was removed from the UX development page, since it is no longer needed. The WebViewSync.jar was removed as well. You can download the WebViewSync.jar file from the UX Framework wiki at https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%20TRIRIGA1/page/UX%20App%20Designer%20Tools. (Tri-49903)
UX Framework	The Polymer 3 version of the triplat-query component was enhanced to support the "IN" operator. (Tri-55601)
UX Framework	The triblock-overflow-text component is now available. (Tri-57333)
UX Framework	The UX Framework now supports the compilation or packaging of UX Views to JavaScript ES5 by using the NPM-based tri-bundler tool. (Tri-60373)
UX Framework	There is a new URL path for accessing a UX app inside a Microsoft Outlook add-in, as follows: /<context_path>/p/web/outlook/<app_name>
	When a Polymer 3 UX app is opened by using this URL, the application main page loads the Microsoft Office JavaScript library, and the application is loaded after the Office library is initialized. (Tri-60342)
UX Framework	To disable the automatic detection of screen size changes, the disableScreenSizeDetection property was added to the UX behavior named TriBlockViewResponsiveBehavior. For more information, refer to the UX component documentation for the Polymer 3 version of this UX behavior. (Tri-59962)
Workflow	A new option has been added as a workflow instance save option and should be used in conjunction for large data loads: DATA_LOAD It is best practice to use this setting when mass/batch loading many records. This will bypass and never save any instances, which increases performance and decreases database size. This can be used in production environments as well, especially if the production environment has many workflows that error out or have STOP tasks but there are no app developers that are able to correct the problems in the workflows. (Tri-56382)
Workflow	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-55721)
Workflow	The BIM Connector can now log into TRIRIGA servers with a context root of "/" (forward slash). (Tri-62009)
Workflow	The Query task can now be set to return the number of records instead of the 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 actual 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-56322)

Area of Impact	Description
Workflow	You can now set the Trigger Action task in workflow 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. This also works for Future Trigger Actions. (Tri-54955; Tri-56364)
Workplace Reservation Manager	TRIRIGA Workplace Reservation Manager now supports integration with Exchange 2019 server. (Tri-61286)

IBM TRIRIGA CAD Integrator/Publisher 12.6.1 Enhancements

The following enhancements to the IBM TRIRIGA CAD Integrator/Publisher are in this release in addition to the enhancements described above:

Area of Impact	Description
CAD Integrator	The About window of the CI AutoCAD plugin now shows the installer build number. This information helps determine the updates that the current build contains. (Tri-55499)

IBM TRIRIGA Connector for BIM 3.6.0 Enhancements

The enhancements to the IBM TRIRIGA Connector for BIM are described above.

Important Installation and Upgrade Information

Pre-10.3.0 requires modification scripts

If you are upgrading from a pre-10.3.0 version of the Application and have not previously done so, apply the SQL script to update the system fields with sub-attribute type of CreatedDateTime to CreatedDateTime (Number) and ModifiedDateTime to ModifiedDateTime (Number). Scripts for Oracle and Microsoft SQL Server are located on the upgrade disk in the \Scripts folder. Instructions are within the scripts.

You can apply the script regardless of the Platform version, but you **MUST** apply the script before upgrading the Application.

For Oracle, run SetVarcharColsToNumeric_ORCL.sql.

There are two scripts for MSSQL, SetVarcharColsToNumeric_MSSS.sql and SetVarcharColsToNumeric_MSSS_Publish_BO.sql. Run SetVarcharColsToNumeric_MSSS.sql first. When it completes, run SetVarcharColsToNumeric_MSSS_Publish_BO.sql.

Do not delete OM packages for pre-10.5.0 application upgrade

If you imported pre-10.5.0 application upgrade packages into an environment on platform version 3.5.0 or 3.5.0.1, please do not delete the packages from the Object Migration tool. Additionally, do not delete the notifications related to the import of these packages.

Object Label cleanup will run the first time the AppServer is started on Platform version 3.5.2 and higher to ensure that the Root object label is applied appropriately to Modules, Business Objects, Forms, Queries, and Workflows. Packages and notifications are used for tracking purposes to clean Object Labels for Modules, Business Objects, Forms, Queries, and Workflows that are incorrectly given the In Progress or ObjectLabelInProgress object label when you did not modify them.

If notifications related to the imports have been deleted, the Object Label cleanup will still run, but any in progress labels given to an object by a manual modification will be changed to the Root object label, if the manual change happened on the same day as the pre-10.5.0 application upgrade on platform version 3.5.0 or 3.5.0.1, and by the same user who applied the upgrade.

If application upgrade packages have been deleted from the Object Migration tool, the Object Label cleanup will not be able to ensure that the Root object label is applied appropriately to objects imported by those deleted packages.

Pre-10.4.0 localization changes require republish of business objects

If version 3.5.x or higher is your first version of TRIRIGA Application Platform, please disregard this release note. If you are upgrading from 3.4.x/10.4.x please read this release note. If you upgrade**d** the platform to 3.4.x but did not also upgrade the application to 10.4.x, many business objects must be republished to support localization changes.

You can do one of the two options. Make sure you do either option **BEFORE** the installation of TRIRIGA Application Platform 3.5.0 or higher.

NEVER do either option after upgrading to 3.5.0 or higher.

Option 1: To republish all of the business objects, you can follow the instructions given in the Publish_all_BOs_For_localization_MSSS.sql or Publish_all_BOs_For_localization_ORCL.sql scripts, which are found in the scripts directory of the Application Upgrade disk. You use the ORCL script for DB2.

Option 2: You can choose to manually republish the business objects. The following business objects, listed with business object name first and module name in parentheses, need to be republished:

Classification (Classification)
Cost Code Container (triCostCode)

Data Utilities (Data Utilities)
Document Container (Document)
Geography (Geography)
Group (Group)
Group Member (Group)
Holidays (System)
Location (Location)
Organization (Organization)
Permission Line Item (triPeople)
Polylining Standard (Polylining Standard)
Project Group Container (Group)
ROOT (Document)
triAnalyticEvent (triAnalyticEvent)
triAnalyticItem (triAnalyticItem)
triAnalyticProcess (triAnalyticProcess)
triAnalyticRule (triAnalyticRule)
triApplicationSettings (triSetup)
triApproval (triRouting)
triApprovalRule (triSetup)
triAssetEvent (triAnalyticEvent)
triAssetLink (triAsset)
triBidResponse (triProposal)
triBuildingSystem (triBuildingSystem)
triBuildingSystemLink (triBuildingSystem)
triCatalog (triCatalog)
triCatalogLink (triCatalog)
triCiApplicationDefinition (triCiApplicationManager)
triCiAssociatedObject (triCiApplicationManager)
triCiHierarchyNode (triCiHierarchyNode)
triContactRole (triIntermediate)
triContract (triContract)
triContractLink (triContract)
triCostCode (triCostCode)
triCostItemLink (triCostItem)
triCTQAssessment (triIntermediate)
triDataAttributeItemIntermediate (triIntermediate)
triDesignLink (triDesign)
triEnergyRatingErrorLog (triLog)
triEnergyStarValidationItem (triIntermediate)
triExternalMailServer (System)
triGeographyLink (Geography)
triInspectionLink (triInspection)
triInventoryLocation (triInventoryLocation)
triInventoryLocationLink (triInventoryLocation)
triItemLink (triItem)
triKeySecurity (triKeySecurity)
triLeaseAbstract (triContract)
triLeaseAbstractAction (triActionForm)
triLocationEnergySpace (triIntermediate)
triLocationLink (Location)
triNotificationDetails (triRouting)
triOSCREUtil (Data Utilities)
triPeopleLink (triPeople)
triPermitLink (triPermit)
triPlan (triPlanning)
triPlannedSpace (Location)
triPlanning (triPlanning)
triPlanningConflictItem (triPlanningItem)

triPlanningEnvironment (triPlanning)
triPlanningPeriodItem (triPlanningItem)
triPlanningScopeItem (triPlanningItem)
triProductsAndServicesLink (triProductsAndServices)
triProjectCalcItem (triCalculationItem)
triProjectLink (triProject)
triProjectReport (triProgressReport)
triProjectUpdater (triActionForm)
triREContractLocations (triIntermediate)
triRequest (triRequest)
triRequestLink (triRequest)
triReservationGroup (triSetup)
triResource (triIntermediate)
triRetailCompany (triIntermediate)
triReview (triActionForm)
triReviewer (triIntermediate)
triScheduleTask (triTask)
triSpaceForecastItem (triPlanningItem)
triSpaceForecastSurvey (triPlanning)
triSpacePlan (triPlanning)
triSpaceScenario (triPlanning)
triSpecificationLink (triSpecification)
triSurveyQuestionResponse (triIntermediate)
triTaskLink (triTask)
triTaskResourceAllocation (triTaskAllocation)
Working Hours (System)

(Tri‑128841; Tri‑128369)

Java Development Kit

See information specific to Windows and Linux below.

Restriction: GNU OpenJDK is not supported and will not work with IBM TRIRIGA and the IBM TRIRIGA Application Platform installation program. The OpenJDK package should be completely uninstalled from the server.

Windows:

The IBM TRIRIGA installer for Windows runs on an internally bundled JVM (IBM JDK 8). The IBM TRIRIGA installer for Windows also allows you to install this bundled JVM on your local machine to use with the TRIRIGA runtime.

Linux:

The Java Development Kit (JDK) must be installed before you run the IBM TRIRIGA Application Platform installer. The JDK must be installed before you run the IBM TRIRIGA application. This can be downloaded at https://developer.ibm.com/javasdk/downloads/sdk8/ and is licensed and appropriate for production use on Linux and AIX. Java must be running during an IBM TRIRIGA Application Platform installation. You must set the JAVA_HOME environment variable to the path of the JDK before you start the IBM TRIRIGA Application Platform installation program.

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 the IBM TRIRIGA wiki at https://www.ibm.com/developerworks/community/wikis/home?lang=en#/wiki/IBM+TRIRIGA1/page/Support+Matrix.

IMPORTANT NOTICE: Effective April 30, 2019, IBM no longer supports IBM Tivoli Directory Integrator. While the TRIRIGA Application Platform version 3.6.0 will work with TDI, TDI is not supported after April 30, 2019. Migrate your TDI assemblies to a supported technology, such as Pentaho. In a future release, the IBM TRIRIGA Application Platform will no longer ship with, support, or execute TDI assemblies.

IBM TRIRIGA 10.6.1

This release includes important information, known limitations, and changes to IBM TRIRIGA.

Important Information

The following items are important information concerning IBM TRIRIGA that are newly added for this release. For Important Information related to previous releases, see the Release Notes page of the IBM TRIRIGA wiki.

Area of Impact	Description
BIM Connector	After using a higher version (i.e. 2.6.1) of BIM Connector, you should not downgrade the Connector (i.e. 1.1.4.1) for further integration. Downgrade of the connector is not supported in building upgrades. (Tri-55709)
ENERGY STAR	**Important action:** ENERGY STAR test server setup data is included with the release. You must update customer specific data after importing the 10.6.1 OM package. (Tri-62890)
Mobile - Work Task	The BIM tab in the UX Perceptive Locate app or the UX Perceptive Work Task app, when displayed in portrait mode, may not display all the tool buttons due to the width of the screen. To see the rest of the buttons, switch to landscape mode. (Tri-53520)
Mobile - Work Task	The Offline feature of the Work Task app is not supported in Chrome running in iOS because of its limited support of the Service Worker API. (Tri-53026)
Real Estate Lease Asset Lease	**Important action:** The drop-down options for the Payment for Partial Period field on the Contract Termination form should display only three options: Full Payment, No Payment, and Prorated Payment. To view them correctly, you must manually remove the extra option of "Prorate Payment" from the triPartialPaymentRule list. (Tri-59285-IJ16508)
Real Estate Lease Asset Lease Reporting System Setup	A clean installation of IBM TRIRIGA 10.6.1 will clear the Database Server field that is found at Tools > System Setup > General > Application Settings > General tab > TRIRIGA Server Details section. You must enter the value manually in order to run BIRT disclosure reports for lease accounting. (Tri-59574)
Time Zone Record Data	**Important action:** You must remove the time zone record data for the four time zones below before importing the package to avoid duplicate records. A patch helper workflow will then update these records after you import the package. (GMT +3) Moscow, St. Petersburg, Kazan, Volgograd [Europe/Moscow] (GMT +10) Guam, Port Moresby, Vladivostok [Asia/Vladivostok] (GMT +11) Magadan, Solomon Is., New Caledonia [Asia/Magadan] (GMT +12) Fiji, Kamchatka, Marshall Is. [Asia/Kamchatka]
UX Stacking App	In the Stacking app, after a user selects a stack plan from the My Stack Plans page, the previous stack plan is displayed first and then replaced by the stack plan the user chose. (Tri-57619)

Area of Impact	Description
UX Work Task App	The Offline feature of the UX Perceptive Work Task app is not supported on Edge because Edge does not support INDEXEDDB compound keys and indexed array values. (Tri-52900)

Known Limitations

The following items are known limitations concerning IBM TRIRIGA and are newly added for this release. For Known Limitations related to previous releases, see the Release Notes page of the IBM TRIRIGA wiki.

Area of Impact	Description
BIRT	BIRT server implementation does not currently support params.displayText. Any BIRT report using displayText will have unexpected issues when run against a BIRT server. Reports will run against a local BIRT server. Most OOTB TRIRIGA BIRT reports have been updated. Use this wiki to help update custom BIRT reports. (Tri-60636)
Globalization	Globalization of the TRIRIGA Reserve room search add-in for Microsoft Outlook and the Work Task enhancements (like barcode and QR code) is scheduled for a future release.
Mobile - Work Task	In the UX Perceptive Work Task application, if there is an existing search criterion from a tab other than the Closed tab and if the user now switches to the Closed tab, the search criterion is ignored. The work around is to key in the search criterion again once the user is in the Closed tab. (Tri-62865)
Mobile - Work Task	Long asset names in the UX Perceptive Work Task app may be displayed as truncated in iOS devices. (Tri-53291)
Mobile - Work Task	Upon scanning an asset or location barcode or QR code which does not have a matching record in the database, a warning pop-up is displayed. In order to shift focus from the main page to the pop-up, use the Esc key instead of the Tab key. (Tri-61066)
Reserve Add-in	The UX Room Search add-in is not supported on the web-based Outlook when using Microsoft Exchange servers on premise. Instead, users should use the native Outlook client in an on-premise configuration. (Tri-62810)
UX Room Reservation	In the UX Perceptive Room Reservation app, weekly recurrences may display the recurrence text incorrectly if a weekday is not selected when the recurrence is saved. (Tri-48388)
UX Room Reservation	In the UX Perceptive Room Reservation app, you may see the unsaved changes popup dialog even if you did not make changes to the search criteria before you selected home or the back button. (Tri-49079)
UX Stacking App	A user with read-only access to the Stacking app cannot save any changes to the stack plan to the server. The user can create a new stack plan in his local machine and can drag and drop organization allocation bars but cannot save the newly created or revised stack plan. The Restore button restores the user's local copy of the stack plan from the server. (Tri-57491; Tri-57408)
UX Stacking App	In the Stacking app, after you create a new stack plan, open the stack plan details page. For blocks that are too small relative to the floor area, the flyout arrow does not always align with the block. The workaround is to zoom in until the block is a wider size. (Tri-58721)

Area of Impact	Description
UX Stacking App	In the Stacking app, horizontal scrolling during drag-and-drop of a stack bar may not be triggered when the bar is dragged to either end of the stacking chart. You can trigger it by dragging the bar to the left or right arrow area of the horizontal scroll bar. (Tri-58767)
UX Stacking App	In the Stacking app, if the user selects to show Assignable Only and then selects a stack bar that has only one assignable space class, the Space Class flyout displays instead of the Divide Space flyout. From the Space Class flyout, the user can select View Space Class to display the Divide Space flyout. (Tri-58820)
UX Stacking App	In the Stacking app, the boundary of the Legend may expand and contract as the user hovers from one organization to another. (Tri-58128)
UX Stacking App	In the Stacking app, the Legend shows all organizations for all spaces in the building even though the user selected to show Assignable Only spaces. (Tri-58559)
UX Stacking App	In the Stacking app, when a user brings up a stack plan, very occasionally none of the stack bars display data. To resolve this issue, open another stack plan and then return to the original stack plan. (Tri-58715)
UX Work Task App	In the UX Perceptive Work Task app, when the Offline Status page shows an upload error, a user may see a "New Task" button at the bottom of the page. To see the "Skip all actions" and "Sign out" buttons, the user can swipe the page up and down and allow the page to stabilize. (Tri-53267)

IBM TRIRIGA 10.6.1 Changes

The following changes to IBM TRIRIGA are in this release:

Area of Change	Description
Application Version	Application object migration files now deliver the release application version record with the build number. You can find the build number in the Application Version record in Tools > System Setup > System > Application Version. Also, the value of the Install Date/Time field of the application version record is updated each time you execute a release patch helper workflow. (Tri-58110)
Approvals	The approval return rule for 'Only re-reviewed by who returned and subsequent reviewers' no longer skips approvals when an approval action item is returned. (Tri-54990-IJ12469)
Approvals	The Linked Record section displayed on the popup forms opened from "Approve", "Escalate", "Reassign", "Request Clarification", "Return", and "Submit Comment" state transition actions of Approval record has no usage because the Linked Record can be viewed directly from Approval record. (Tri-58349)

Area of Change	Description
Approvals	The Person or Reviewer record added to an Approval is now updated with name change at the time of approving the record. The name change update occurs after the Approve action on an Approval record is clicked in order to approve the record. (Tri-59710-IJ17734)
Approvals	When existing Approval Template and Approval Rule records are imported through OM Package, it creates new Approval Template and Approval Rule records instead of updating existing records because of the Control Number field used in BO Mapping of these objects. The issue has been resolved by changing the BO Mapping on these objects to use only Name. And a patch helper workflow has been created to update the publish name on existing Approval Template and Approval Rule records. (Tri-59429)
Asset Invoice	The Get Payments Due action is now active after clicking the Create Draft action for an asset invoice. (Tri-58117)
Asset Lease	When you select the Expire action of an asset lease, only payment schedules that have a start date after the expiration effective date and payment line items that have a due date after the expiration effective date are voided. (Tri-54564-IJ08843)
Asset Lease Real Estate Lease	A new field, triPurchasePriceEffectiveDateDA (Purchase Price Effective Date), is added on triOption BO and triOption Form under Purchase Option section. User can set a date to this field to specify when the Purchase Price should be accounted for. Upon selecting a Purchase Option as Likely Term Option, the Purchase Price Effective Date is set with (if it's not already set on Option) the Accounting End Date of the lease. On Generating/Recalculating the Accounting Schedules, the Purchase Price specified in the Purchase option is added to accounting schedules. The amount is included as part of the Net Rent of the accounting period into which the Purchase Price Effective Date falls.

A patch helper, 'triPatchHelper - triCalculate - 10.6.1 - Update Purchase Price Effective Date', can be run to update the Purchase Price Effective Date with Economic Life End on the existing Purchase Options as a default. (Tri-60006-IJ17771) |
| Asset Lease Real Estate Lease | A new Journal Entry (JE) trigger subtype, Modification Partial Termination, is added. The JEs for this new trigger are created when the lease is recognized as partial termination (reduction in sq. ft. or number of assets).

Below are the additional JE setup templates.

Real Estate - GAAP - 842 - Operating - 00076
Real Estate - GAAP - 842 - Finance - 00077
Real Estate - IFRS - 16 - Finance - 00051
Asset Lease - GAAP - 842 - Operating - 00078
Asset Lease - GAAP - 842 - Finance - 00077
Asset - IFRS - 16 - Finance - 00051 (Tri-58385-IJ16236) |
| Asset Lease Real Estate Lease | A payment instruction record that is not associated to a lease is no longer created when a payment type is selected on the Generate Payment Schedule form. (Tri-54523) |

Area of Change	Description
Asset Lease Real Estate Lease	A system-created association string is used for the Cost Index classification field in the Index Adjustment section that is not available if there is a need for a workflow to handle the cost index record. This is due to an association string that is not defined for the Cost Index field in smart section field within the lease clause. The association is fixed and a patch helper is now provided to fix existing data. The patch helper is called "triPatchHelper - triCalculate - FIX COST INDEX ASSOCIATION - Lease Clause". There is no need to add 'Classified by triCostIndex' to association types. (Tri-57862-IJ14743)
Asset Lease Real Estate Lease	A user message is displayed on the Index Adjustment Calculator if the % Change is less than the minimum % or more than maximum % of increase permitted by the index clause. However, if you issue the Index Adjustment Calculator, the system uses the value of % Used to adjust the payments. (Tri-58756-IJ15873)
Asset Lease Real Estate Lease	A user message now displays when Recalculate Accounting Schedule is triggered on a revised lease. (Tri-57057)
Asset Lease Real Estate Lease	Accounting start date is no longer updated when performing a data revise or apply an index adjustment. (Tri-59075)
Asset Lease Real Estate Lease	After a consumer price index (CPI) index adjustment, asset and liability are now correctly recalculated on the Local Reporting tab starting at the date of the change. (Tri-54646-IJ09122)
Asset Lease Real Estate Lease	After a lease is amended, all the fiscal line items before the modification periods now show in the accounting schedules. (Tri-55204-IJ11187)
Asset Lease Real Estate Lease	After adjusting a location specific quarterly payment schedule, a lease no longer remains in processing status. (Tri-54286-IJ08702)
Asset Lease Real Estate Lease	After applying multiple Index Adjustment Calculators that have the same adjustment period and each time, complete the processing. The lease now always shows the Re-Calculate Accounting Schedule action. Also, the Total Rent, current NPV, and IFRS schedules are not getting updated. In addition, when trying to issue an Index Adjustment Calculator while the lease is not in Active status, an attention message will display to inform the user that the lease must be in Active status prior to performing an index adjustment. (Tri-59369-IJ16723)
Asset Lease Real Estate Lease	After clicking the Cancel action, the original accounting start date now remains visible. (Tri-59969-IJ18098)
Asset Lease Real Estate Lease	After doing a modification on a gross lease, the Net Rent Payment of the ASC840/IAS17 schedule periods prior to the modification effective period now display the gross amount. rather than the full payment. Also, the Net Rent Payment of the ASC840/IAS17 schedule now displays the gross amount for all periods. (Tri-61278)
Asset Lease Real Estate Lease	After extending payments by creating a new payment schedule associated to the same payment instruction for a given type, only the value of the Effective To Date of the payment instruction is updated. The value of the Effective From Date is not changed. (Tri-55538-IJ10590)

Area of Change	Description
Asset Lease Real Estate Lease	After issuing an index adjustment calculator record (IAC), the lease record form is now locked for any further actions until the process completes. A user message is displayed if any action is clicked during processing. (Tri-59049-IJ13946)
Asset Lease Real Estate Lease	After Issuing an index adjustment on a GAAP lease and later clicking the Calculate Lease Treatment action (which is not required), the Total Rent Expense field value in the RE Lease is no longer updated. The amount stays the same. (Tri-57647)
Asset Lease Real Estate Lease	Payment Line Items are now updated correctly. The "triAdjustedTotalNU" field is updated with the triAmountNU when the triAmountNU is changed after the payment schedule is created (the payment schedule is in pending status). (Tri-57228-IJ13942)
Asset Lease Real Estate Lease	After performing a full impairment (new FMV = 0), the asset value now comes down to zero from the impaired period until the end of the lease. A new field, Full Impairment, is now on the RE Contract Revision form and the Asset Contract Revision form. Only check this field when new FMV = 0. After the field is checked, the Fair Market Value field is cleared and set to read-only. (Tri-55569-IJ11122; Tri-55745-IJ11123)
Asset Lease Real Estate Lease	After revising a lease and adding options expiry and tax reconciliation, the incentive schedule now shows the correct values. (Tri-59385-IJ17144)
Asset Lease Real Estate Lease	After terminating an active lease, the Accounting and Local Reporting schedules now correctly display only the fiscal line items up to the termination date. Also, net equity values are now calculated correctly. (Tri-53941-IJ08115; Tri-54494-IJ08753)
Asset Lease Real Estate Lease	An attention message no longer displays on the Bulk Create Review Assumptions Request when the IBR is set to zero in the Application Settings record. The Assumption Audit Log is now created. (Tri-55975-IJ12150)
Asset Lease Real Estate Lease	An attention message no longer displays when adjusting a payment schedule that has a full payment start day on the 29th, 30th or 31st to be split into more payment schedules. The new split payment schedules have the same full payment start day as the original payment schedule. (Tri-59745-IJ18070)
Asset Lease Real Estate Lease	An attention message to validate the full payment start day no longer displays when creating multiple location specific quarter payment schedules together on the same generate payment schedules. (Tri-60225-IJ18127)
Asset Lease Real Estate Lease	An Index Adjustment Calculator is now created correctly when there are multiple payment schedules with overlapping dates and/or multiple index clauses. (Tri-54741-IJ09138)
Asset Lease Real Estate Lease	Contract Attribute values are now mapped to the History Lease Contract attribute. (Tri-60093)
Asset Lease Real Estate Lease	Duplicate fiscal line items are no longer created when the accounting start date and original accounting start date are the same. (Tri-57314-IV99840)

Area of Change	Description
Asset Lease Real Estate Lease	Exit or Disposal Liability Carryover is always set to visible. (Tri-58986)
Asset Lease Real Estate Lease	Expired and terminated leases are no longer included in periodic journal entry processing when the lease term expiration date is before the start date of the current open period of the business unit. (Tri-55757-IJ10839)
Asset Lease Real Estate Lease	For an index lease, the Expected Cash Before Tax amount on the PLI is no longer reverted when the lease is amended in the period prior to the start date of the Index Adjustment Calculator that had been applied before the amendment. (Tri-57187-IJ14920)
Asset Lease Real Estate Lease	For IFRS 16, after modification of a lease in the same month as the lease is created, journal entries are now posted with the expected values for Adjust Asset and Adjust Liability. (Tri-56932-IJ13356)
Asset Lease Real Estate Lease	For the first modification of a lease, fiscal periods are available from the commencement date or the accounting start date, whichever is earlier. For subsequent modifications, fiscal periods are available from the modification effective date. However, if the change type of the last contract revision is Index Adjustment and the lease is GAAP without local reporting, the fiscal periods are available from the accounting start date. (Tri-58807-IJ16054)
Asset Lease Real Estate Lease	Gain/loss is now correctly calculated when there is a lease impairment scenario for local reporting schedules. (Tri-54511-IJ08487)
Asset Lease Real Estate Lease	If you copy a real estate lease or an asset lease, the history and voided payment schedules are no longer copied. (Tri-59248)
Asset Lease Real Estate Lease	In a short-term lease, when you select the Included In Amortization Schedule field and then clear the field, the fiscal line items that were generated are now removed. Also, the Include In Amortization Schedule field is editable only prior to the initial lease activation. (Tri-58857)
Asset Lease Real Estate Lease	In the Accounting tab, Schedule Summary section, voided payment line items are not included in the values. (Tri-55778-IJ11489)
Asset Lease Real Estate Lease	In the Payments tab, Payment Instructions section, after you update an existing payment instruction with new Remit to Organization from a particular date, a new payment instruction now appears in the Payment Instructions section of the Payment Schedule form with the 100% validation updated to accommodate the change. (Tri-54847-IJ09651)
Asset Lease Real Estate Lease	In the Straight-Line Rent Schedule, the Unamortized Prepaid Rent Liability column is now updated to recalculate through the new lease term. (Tri-58989)
Asset Lease Real Estate Lease	Initial Direct Cost is now recalculated and extended when the lease is extended. (Tri-58988)
Asset Lease Real Estate Lease	Interest Reduction, Accrued Interest Balance, Principal Reduction, Short Term Liability, and Long Term Liability fields are added to calculate the short- and long-term liability for both Operating and Finance schedules. The patch helper below is to update the Interest Reduction, Principal Reduction,

Area of Change	Description
	Accrued Interest Balance, Short Term and Long Term fields for all the History leases of the current leases that are in Active, Review In Progress, Routing In Progress, Revision In Progress and Revision Accounting In Review. For the current leases that are in Active, Review In Progress and Routing In Progress, those fields will be updated on the current leases as well. For the current leases that are in Revision In Progress and Revision Accounting In Review, the user will need to click on the Re-calculate Accounting Schedule themselves to have the fields updated. **Note:** 1. This patch helper may take a long time. If you choose to filter for a set of leases, the query is "triContract - Workflow - Existing Asset Lease and RE Lease for ST LT Patch Helper". 2. Before triggering this patch helper, please inform users that they should NOT revise their leases or do anything with their existing leases until the updates are completed. "triPatchHelper - triCalculate - 10.6.0.4 - Update Short Term Long Term Liability on Existing Leases" (Tri-58179-IJ15199)
Asset Lease Real Estate Lease	Journal entries for leases that have been modified no longer include duplicate entries. (Tri-59553)
Asset Lease Real Estate Lease	Journal entry setup templates for ASC 840 and IAS 17 are modified to have the ASC840/IAS17? field checked and to display and set the correct Lease Treatment fields. (Tri-55250-IJ04299)
Asset Lease Real Estate Lease	Lease classification flip from operating to finance now updates accounting schedules correctly, rather than showing a large Rent Expense. (Tri-60421)
Asset Lease Real Estate Lease	Lease records with both Location Specific Quarter and other non-short payment schedules are no longer stuck in processing. (Tri-60688-IJ18544)
Asset Lease Real Estate Lease	Lease Treatment drop-down values now display for both Lease Journal Entry Setup and the Lease Journal Entry Setup Template. (Tri-60580)
Asset Lease Real Estate Lease	Leases no longer remain in processing when you exercise a renewal option that does not have a renewal expiration date. (Tri-54916-IJ09327)
Asset Lease Real Estate Lease	Leases no longer transition to active state after clicking the Generate Accounting Schedule action, including leases beginning or ending in partial months. (Tri-59493)
Asset Lease Real Estate Lease	Leases that have the status of Expired or Terminated are now included in lease periodic journal entry processing only if the leases have the likely term expiration date within the current open period of the business unit. (Tri-55707-IJ10836)
Asset Lease Real Estate Lease	Leases with a short monthly payment period (less than a month) no longer remain in processing status. (Tri-54422-IJ08752)
Asset Lease Real Estate Lease	Leases with Business Unit set are no longer getting stuck in processing on Activate after using Accounting Revise - Contractual Factors. (Tri-60183)
Asset Lease Real Estate Lease	Modification Effective Date, Adoption Date and Look Back Date are now mapped on Local Reporting tab of History Record. (Tri-60049)

Area of Change	Description
Asset Lease Real Estate Lease	Modification journal entries are no longer created when there is only an impairment scenario. However, if there is a change to the RVG, IBR, or dismantle cost in combination of updating the FMV to be lower than the current asset value, then modification journal entries are created as well as impairment journal entries. (Tri-53957-IJ08419)
Asset Lease Real Estate Lease	Modifying a lease through a change in assessment or contractual factors, the Original Accounting Start date value is updated with the Accounting Start Date if no modification has been applied. The Accounting Start Date is updated with the start date of the selected modification period. Therefore, the Straight-Line schedule is now calculated from the modification period. (Tri-54789-IJ09132; Tri-53347-IJ07754; Tri-53680-IJ07706)
Asset Lease Real Estate Lease	Multiple issues related to payment adjustments are resolved for scenarios involving adjusting payments that were paid or have a due date before today. A retroactive payment is created to capture the missing amount that must be paid to the landlord. The following scenarios are affected: - If the payment schedule you are adjusting does not have a retroactive payment associated, a retroactive payment is created with due date of today. - If the payment schedule you are adjusting has a retroactive payment associated and the due date is today and its status = Active, the same payment is used and the payment amount accumulates. - If the payment schedule you are adjusting has a retroactive payment associated and the due date is today, but its status = Paid, a new retroactive adjustment with the same due date is created. - If the payment schedule you are adjusting has a retroactive payment associated and the due date is in the past, a new retroactive adjustment with due date of today is created. (Tri-53988-IJ09665)
Asset Lease Real Estate Lease	My Index Adjustments are now visible to the user in some cases where they were not displaying. Also, Index Adjustment Calculators are not created for void payment schedules; while voiding the payment schedule, the system checks and retires any index adjustment calculators that are present. (Tri-59624-IJ17944)
Asset Lease Real Estate Lease	Negative payment line items can now be marked as paid via the accounts receivable receipts. (Tri-54587-IJ09022)
Asset Lease Real Estate Lease	Net Asset Value on Local Reporting Schedules reduces to zero on Local Reporting Adoption after amendment. (Tri-60304)
Asset Lease Real Estate Lease	On an active lease, the 'Copy & Link to Lease' action no longer copies data from the Locations tab of the original lease to the copy. (Tri-54003)
Asset Lease Real Estate Lease	On modification of lease when an asset value is reduced to zero, TRIRIGA now correctly calculates the gain/loss on both operating and finance schedules. (Tri-56709-IJ12625)
Asset Lease Real Estate Lease	On the Local Reporting tab, after applying standard adoption, Current Asset Value now includes unamortized cost of Initial direct costs, prepayment and tenant incentives. (Tri-55795-IJ11807)

Area of Change	Description
Asset Lease Real Estate Lease	Only one vendor/payment instruction with the same criteria, such as, payment type, organization, allocation, etc., is associated to a new payment schedule. (Tri-56280-IJ13241)
Asset Lease Real Estate Lease	Operating schedules are now set to visible on lease reclassification of history contracts. (Tri-60180)
Asset Lease Real Estate Lease	Operating/Finance schedules are now shown from the adoption date when you issue an index adjustment after adoption. (Tri-57390-IJ17094)
Asset Lease Real Estate Lease	Partial interest is now calculated correctly for an IFRS lease when the application settings value for straight line calculation basis is set to Actual Day Basis. Interest calculations are now based on 30 days for both the Actual Day Basis and 30 Day Basis options. (Tri-53983-IJ07945)
Asset Lease Real Estate Lease	Payment instructions were not being updated when the Start Date or End Date value was updated manually on the payment schedule. To avoid this, the fields are now read-only, and you are advised to create a new Payment Schedule rather than updating the Start Date and End Date on the Payment Schedule. (Tri-56238-IJ13083)
Asset Lease Real Estate Lease	Rent expense in accounting schedules for leases that end on the last day of February now compute correctly. The accounting term calculation and total of rent expense now match the net rent payment. (Tri-54095-54365-IJ08402)
Asset Lease Real Estate Lease	Rent expense is now computed for fiscal periods that do not have payment line items when the Straight-Line Calculation Basis in the Application Settings is set to Actual Day Basis. (Tri-56008)
Asset Lease Real Estate Lease	Resolved an issue when an index was applied, the local reporting schedule long term liability did not come down to zero. (Tri-61197-IJ19711)
Asset Lease Real Estate Lease	Section actions on various sections of the contract Accounting tab and Local Reporting tab are now hidden when you revise a contract with the Accounting Revise - Data Revise option. Now, the user can access only organization (business unit) and accounting cost center with Accounting Revise - Data Revise. (Tri-53831-IJ07880)
Asset Lease Real Estate Lease	Selecting the System tab on a lease no longer causes a MID error. (Tri-57096-IJ13350)
Asset Lease Real Estate Lease	System created association string is being used for the few classification fields within the smart sections of lease clause business object. Few examples of such fields are triBaseYearAmounttypeCL(Classified by Charge Amount Type) ,triCapTypeCL(Classified by Cap Type) in Payment Audit setup section. System created associations are not available if there is need for workflow to get handle to classification records. This is due to association string not defined in smart section fields within the lease clause. The associations is fixed within the smart section field of lease clause BO and patch helper provided to fix existing data. triPatchHelper - triCalculate - 10.6.0.3 - Fix Lease Clause Classification Data Association (Tri-58187)

Area of Change	Description
Asset Lease Real Estate Lease	Tax payments are no longer included as part of the net rent in the ASC 842 schedule. (Tri-56483-IJ12458)
Asset Lease Real Estate Lease	Tenant improvement incentive schedules now calculate partials when the accounting dates do not start on the first day of the fiscal period or end on the last day of the fiscal period. (Tri-56553-IJ12462)
Asset Lease Real Estate Lease	Tenant incentive values are now recalculated and extended to the new lease term when the lease is updated for an extension. (Tri-59216; Tri-59217)
Asset Lease Real Estate Lease	The Add action is now available on the popup query for the Add People action under the Contacts section of a Lease record and also on a popup query for the Find action under the Contact section of Contact Role form. (Tri-54688-IJ09654)
Asset Lease Real Estate Lease	The Current Modification revision log is no longer cleared when a lease is amended and activated. (Tri-56237-IJ12578)
Asset Lease Real Estate Lease	The Find query in the Stop Payments record can now find paid payment line items. The default Find query finds only the payments that are in paid status. However, the active payments can be found by using Related Reports. (Tri-54490-IJ09013)
Asset Lease Real Estate Lease	The Fiscal Payment Summary (FPS) records are now created from the Accounting Start Date, instead of from the Commencement Date. (Tri-56684)
Asset Lease Real Estate Lease	The fiscal period is now available when performing a modification in first period where the Commencement Date value or the Accounting Start Date value is in the middle of a fiscal period. (Tri-56283-IJ12932)
Asset Lease Real Estate Lease	The following security groups now have access to the Lease Journal Entry Setup Template form, which is located at Contracts > Contract Set Up > Templates > Lease Journal Entry Setup Template: - TRIRIGA Lease Accountant - TRIRIGA Lease Accountant - Fundamentals - TRIRIGA Local Lease Accountant (Tri-59249)
Asset Lease Real Estate Lease	The Gross Asset and Accumulated Amortization fields are added for the Operating/Finance schedule. The Impairment Reserve is also being calculated for the IFRS schedule when the impairment happens. Also, the label of the Asset Value column in Operating/Finance schedule is now changed to "Net Asset Value". The patch helper below is to update the Gross Asset, Accumulated Amortization, and Impairment Reserve fields for all the History leases of the current leases that are in Active, Review In Progress, Routing In Progress, Revision In Progress, and Revision Accounting In Review status. For the current leases that are in Active, Review In Progress, and Routing In Progress status, those fields will be updated on the current leases as well. For the current leases that are in Revision In Progress and Revision Accounting In Review status, the user will need to click on the Re-calculate Accounting Schedule action to have the fields updated. triPatchHelper - triCalculate - 10.6.0.4 - Update Gross Asset, Accumulated Amortization and Impairment Reserve **Notes:** 1. This patch helper may take a long time. If you choose to filter for a set of

Area of Change	Description
	leases, the query is "triContract - Workflow - All Real Estate And Asset Leases Filtered By Status For Patch Helper". 2. Before triggering this patch helper, please inform users that they should NOT revise their leases or do anything with their existing leases until the updates are completed. (Tri-59274-IJ17161)
Asset Lease Real Estate Lease	The incentive schedule on the Accounting tab of the lease is now calculated correctly when a new incentive is added or an existing incentive is adjusted. (Tri-48183-IV94699)
Asset Lease Real Estate Lease	The Initial Liability Carryover Balance (ILCB) is now visible at all times. (Tri-58985)
Asset Lease Real Estate Lease	The Lease Accountant is now able to return the lease after Submit For Accounting Review. (Tri-58320-IJ15622)
Asset Lease Real Estate Lease	The net rent is no longer populated in the termination period when the payment was there earlier and, after termination, is no longer there. In addition, two new fields were added to the Contract Terminate form, Details section. 1. Payment for Partial Period? - This field shows when the Termination Effective Date is not the last day of a lease fiscal period. It allows a user to select how they want the payment to be paid for the termination of the partial period if it finds any. There are 3 options: Full Payment, No Payment, and Prorated Payment. **Note:** The payments that are considered for this field are the payments that have the due date falling between the start date of the termination fiscal period and termination effective date. And payments that have due date after the termination effective date, but part of the payment falls between the start of the termination fiscal period and the termination effective date. 2. Accounting Type for Prorated or No Payment - This field shows only when a user selects Payment for Partial Period? = Prorated Payment or No Payment. It allows a user to pick how they want their receivable payment to be created in the case that the payment had been overpaid to the landlord for the termination period if any. There are 2 options, Account Payable (AP) and Accounts Receivable (AR). If the user selects to create an AP payment, the amount will be negative, and vice versa for an AR payment. (Tri-56011-IJ12786)
Asset Lease Real Estate Lease	The Original Accounting Start Date field is now visible after clicking the Cancel action. (Tri-59202)
Asset Lease Real Estate Lease	The P & L Book Expense base field (triPLImpactNUBase) is now populated when fiscal line item records are created. (Tri-55521-IJ10657)
Asset Lease Real Estate Lease	The Reporting To date on the Percentage Rent Reporting record is populated with the correct date when the period starts on the 29th, 30th, or 31st of the month. (Tri-56675-IJ13354)

Area of Change	Description
Asset Lease Real Estate Lease	The Revise action is removed from lease records that have the status of Expired. To move the lease back to Active again, the Unexpire action is available. When you click Unexpire, a confirmation message displays. Click Continue to move the lease back to active status. **Note:** The Unexpire action is visible only when the status of the lease is Expired. (Tri-53936-IJ07952)
Asset Lease Real Estate Lease	The system now calculates 75% of the lease term during the classification test. (Tri-56300)
Asset Lease Real Estate Lease	The temporary association between Request and Request Class is now removed when the Request is activated. These temporary associations are added back when the Request is revised or re-opened in order to display the values under the Service Request section of the Request. **Note to existing customers:** A separate document with SQL Scripts is available to remove the existing un-used temporary associations between Request and Request Class objects from database. Please contact IBM TRIRIGA L2 Technical Support team for the SQL Scripts. (Tri-59376-IJ17548; Tri-60299)
Asset Lease Real Estate Lease	The Update Payment Instructions action is now available from the Payment Instructions sub tab when a lease is revised using Contract Revise > Data Revise. (Tri-56527-IJ12790)
Asset Lease Real Estate Lease	The value of the Likely Term in Years field is now calculated from the accounting start date to the likely term end date when it is an initial lease. When the lease is modified (not using Data Revise), the field is calculated from the modification effective date to the likely term end date. (Tri-54737-IJ09211)
Asset Lease Real Estate Lease	The values of the Minimum Payment and Likely Minimum Payment fields on the payment line item are now updated when the corresponding payment schedule is adjusted through the Adjust Payments action on the Payment Schedules section of the lease's Payments tab. (Tri-57983)
Asset Lease Real Estate Lease	There are no more calculation issues when terminating a lease within the same period as its accounting start or adoption period, including when terminating in the middle of the period. Also, when terminating a lease on the same date as its accounting start or original accounting start date, the new Boolean field, "Reverse All Liability and Asset Values", is visible. If the field is checked, the accounting schedule reverts all liability and asset values. (Tri-57458-IJ14030)
Asset Lease Real Estate Lease	Total Rent Expenses and Current NPV of Rent fields on the Schedule Summary section of the Accounting tab and the Amortization Summary section of the Local Reporting tab are now calculated and populated with the correct values when the first month is not on the first day of the fiscal period. Also, liability and asset values in the Operating/Finance schedules are correctly amortized down to $0. (Tri-54368-IJ08290)

Area of Change	Description
Asset Lease Real Estate Lease	Two new fields are added on the Accounting Details section of the Accounting tab to enter the Liability Carryover and Asset Value from an existing IAS 17 Finance lease. The field names are: IFRS Liability Carryover Balance IFRS Asset Carryover Balance (Tri-56384-IJ12461)
Asset Lease Real Estate Lease	Two new trigger sub types, Modification Decrease in Term and Modification Extended, are added for the modification scenario. The following Journal Entry Setup Templates are updated or created: Asset - GAAP - 842 - Finance – 00045 Asset - GAAP - 842 - Operating – 00044 Asset - IFRS - 16 - Finance – 00035 Asset - IFRS - 16 - Finance – 00048 Asset Lease - GAAP - 842 - Finance – 00076 Asset Lease - GAAP - 842 - Operating – 00075 Real Estate - GAAP - 842 - Finance – 00045 Real Estate - GAAP - 842 - Finance – 00074 Real Estate - GAAP - 842 - Operating – 00044 Real Estate - GAAP - 842 - Operating – 00073 Real Estate - IFRS - 16 - Finance – 00035 Real Estate - IFRS - 16 - Finance – 00048 (Tri-56753-IJ12965)
Asset Lease Real Estate Lease	Upon activation of a lease, finance lease event journal entries are no longer created for GAAP (Operating) with no local reporting enabled. (Tri-54614-IJ13931)
Asset Lease Real Estate Lease	Users who are members of the TRIRIGA RE Contract Manager security group do not have access to the Generate Payment Schedules, Adjust Payments, and Remove actions in the Payment Schedules query section if the lease is closed and reopened after Contract Revise/Data Revise. (Tri-56988-IJ13190)
Asset Lease Real Estate Lease	Validations are added on real estate or asset contract revisions for contractual factors to require a change of at least one field in the Details section or the Borrow Rate & % Growth Assumptions section. (Tri-60362)
Asset Lease Real Estate Lease	When a clause is created using an Add action, a new popup form for the clause opens. If you click 'Create', you can then click on 'Save', 'Save and Close', or the X and the clause will appear in the clause section. Refreshing the query section may be required. (Tri-60442-IJ18519)
Asset Lease Real Estate Lease	When a Journal Entry Setup has Tenant Improvement Incentive as the calculation input, the Journal Entry created for tenant improvement incentive no longer has a zero value. (Tri-54594-IJ09069)
Asset Lease Real Estate Lease	When a lease ends, there may be some cents remaining that resulted from the rounding of accounting values. To round off these values to zero, you must first use the 'triPatchHelper – triCalculate – 10.6.0.3 – Show Trigger Expiration' patch helper workflow to make the new "Trigger Expiration" Boolean field available on the existing JE Setup Template and JE Setup records that currently have the Trigger Sub Type = Termination or Expiration. This patch helper separates the Expiration JEs and Termination JEs, which were combined before the patch helper ran. After

Area of Change	Description
	using the patch helper so that the Expiration JEs and Termination JEs are separate, you can use the Expire action to trigger creation of Expiration JEs that round off the extra cents to zero. **Important note:** If the Expiration JE Setup Template or JE Setup records were previously set up in your TRIRIGA system, revisit those records after using this patch helper and the Expire action. Check the "Trigger Expiration" Boolean field to differentiate the Termination set of JEs from the Expiration set of JEs. As part of this change, the following JE Setup Templates are now available: Real Estate - GAAP - 842 - Operating - 00074 Real Estate - GAAP - 842 - Operating - 00075 Asset Lease - GAAP - 842 - Operating - 00076 Asset Lease - GAAP - 842 - Operating - 00077 Real Estate - GAAP - 842 - Finance - 00075 Real Estate - GAAP - 842 - Finance - 00076 Asset - GAAP - 842 - Finance - 00072 Asset - GAAP - 842 - Finance - 00073 Asset - IFRS - 16 - Finance - 00049 Asset - IFRS - 16 - Finance - 00050 Real Estate - IFRS - 16 - Finance - 00049 Real Estate - IFRS - 16 - Finance – 0005 (Tri-57863-IJ14576)
Asset Lease Real Estate Lease	When a lease incentive that was received on or after the commencement date is void, the lease liability is now calculated correctly and equals 0 at the end of the lease term. (Tri-54617-IJ09208)
Asset Lease Real Estate Lease	When a lease is approved for activation, the Space Use Agreement is now associated to current/latest revision of Lease only. (Tri-60240-IJ18252)
Asset Lease Real Estate Lease	When a lease is closed with the Cancel action, the Accounting and Payments sections are made read-only if the contract revision type is Data Revise. (Tri-57059)
Asset Lease Real Estate Lease	When a lease is impaired and the last accounting period is partial, the amortization and asset values are now calculated to show the same values for both Operating and Finance schedules. (Tri-56012-IJ11336)
Asset Lease Real Estate Lease	When a lease is in Draft Accounting In Review status, the Total Rent Expense field is calculated using the Accounting Start Date instead of the Commencement Date. (Tri-55186)
Asset Lease Real Estate Lease	When a lease is modified in the same period as the adoption period (after the adoption process executed), the asset value is now considered a deferred liability in the ASC 840 schedule. (Tri-57151-IJ13355)
Asset Lease Real Estate Lease	When a lease with Initial Liability Carryover Balance (ILCB) is modified in the first fiscal period, the Current Asset Value is still included the ILCB and will be amortized correctly throughout the lease term. (Tri-57992-IJ5020)
Asset Lease Real Estate Lease	When a payment is created for an annual payment schedule that is less than a year, only a pro-rated payment is created. Now an extra full payment is no longer created. (Tri-54446-IJ08728)

Area of Change	Description
Asset Lease Real Estate Lease	When a purchase option is included in the lease terms for ASC 842, the lease classification is set to Finance even if the lease treatment is Operating. (Tri-56326-IJ12468)
Asset Lease Real Estate Lease	When accounting start and end dates are updated, fiscal line items are now created only for the contract being modified. (Tri-57677-IJ14281)
Asset Lease Real Estate Lease	When adjusting payments and then issuing an index adjustment calculator, the adjustment amount is now updated correctly on the payments. (Tri-55641-IJ12149)
Asset Lease Real Estate Lease	When adjusting payments for a lease that is not in the base currency, the amount is no longer converted to the base currency and back to the lease currency, resulting in rounding errors. The adjusted amount now matches the entered amount. (Tri-54929-IJ09210)
Asset Lease Real Estate Lease	When adjusting payments that have more than one payment schedule with the same payment type, overlapping start and end dates, and different payment instructions, the catch-up payment line item for the unpaid past adjustment is now associated to the correct payment instruction. If more than one payment instruction is found for the date that is being adjusted (adjust payments before today), an attention message and payment instruction section now ask the user to select the payment instruction that should be associated to the catch-up payment. (Tri-54020-IJ10589)
Asset Lease Real Estate Lease	When adopting Local Reporting only on a lease that has initial direct cost (IDC), prepayment, and/or incentive, the asset value after the adoption now calculates correctly using the unamortized values of the IDC, prepayment, and/or incentive. (Tri-60851-IJ18577)
Asset Lease Real Estate Lease	When generating a non-one-time payment schedule for one day, the payment schedule is now created without the attention message. The partial payment is calculated, and the payment line item is generated with the prorated amount. (Tri-58214)
Asset Lease Real Estate Lease	When generating payment schedules for leases less than a month, asset values correctly come down to zero for both Operating and Finance Schedules. (Tri-59619-IJ17095)
Asset Lease Real Estate Lease	When issuing an Index Adjustment Calculator for an index lease with Initial Liability Carryover Balance (ILCB), the Current Asset Value of IFRS no longer includes the ILCB amount again, which it should not do because the ILCB was included already at the initial lease. (Tri-59311-IJ16576)
Asset Lease Real Estate Lease	When issuing an Index Adjustment Calculator with a mid-month date after the lease has been adopted in TRIRIGA, the Net Rent amount on the FLI now includes the whole month amount. (Tri-57304-IJ14867)
Asset Lease Real Estate Lease	When issuing an Index Adjustment Calculator, the system will create a one-time catch-up payment by using the variable percentage to calculate the total catch-up amount for any payments with Paid status or payments in Active status with a due date that is in the past that are within the index adjustment periods. A one-time payment line item with the due date set to the current date and a catch-up

Area of Change	Description
	amount appearing in the Index Adjustment Amount field is created per payment schedule and associated to the Payment schedule for which the index is being applied. The catch-up payment will show up in the Variable Lease Payment column for US-GAAP (Operating/Finance schedule) and will be included as part of the Net Rent Payment column for IFRS accounting standards where the variable payment is considered fixed upon issuing the index adjustment. The one-time payment is included in the fiscal period during which the Due Date occurs. (Tri-51891-IJ60768)
Asset Lease Real Estate Lease	When modify a lease with the Accounting Standard set to IFRS (IASB) and the lease already adopted in TRIRIGA, the IAS 17 accounting schedule is now re-calculated. The Rent Expense column of the straight-line schedule is also now updated. (Tri-60665-IJ19813)
Asset Lease Real Estate Lease	When modifying a lease by decreasing the lease term so that the new Expiration Date is prior to the previous Expiration Date, on an IFRS lease or a GAAP lease with Local Reporting, the gain/loss is now calculated and displays in the gain/loss column of the IFRS schedule. Also, the new ROU asset is calculated by the change in liability. (Tri-56097-IJ11485)
Asset Lease Real Estate Lease	When modifying a lease in the period prior to the lookback period and later the lease is adopted, the Fiscal Line Items prior to the lookback period no longer show up in the accounting schedule of the Local Reporting tab. (Tri-60076-IJ20245)
Asset Lease Real Estate Lease	When modifying a lease to have the payments drastically reduced, the asset, amortization and rent expense are no longer calculated showing negative amounts. The asset and amortization values are set to 0 and the rent expense is equal to the interest expense (for Operating lease). There is a new Journal Entry Trigger Sub Type for this scenario called Modification Exceeds Asset. Below are the new Journal Entry Setup Templates that are created for the new trigger sub type: Real Estate - GAAP - 842 - Finance – 00070 Asset - GAAP - 842 - Finance – 00068 Asset - IFRS - 16 - Finance – 00044 Real Estate - IFRS - 16 - Finance – 00044 Real Estate - GAAP - 842 - Operating – 00069 Asset - GAAP - 842 - Operating – 00065 Real Estate - GAAP - 842 - Finance – 00071 Asset - GAAP - 842 - Finance – 00069 Asset - IFRS - 16 - Finance – 00045 Real Estate - IFRS - 16 - Finance – 00045 Real Estate - GAAP - 842 - Operating – 00070 Asset - GAAP - 842 - Operating – 00066 Real Estate - GAAP - 842 - Finance – 00072 Asset - GAAP - 842 - Finance – 00070 Asset - IFRS - 16 - Finance – 00046 Real Estate - IFRS - 16 - Finance – 00046 Real Estate - GAAP - 842 - Operating – 00071 Asset - GAAP - 842 - Operating – 00067 Real Estate - GAAP - 842 - Finance – 00073 Asset - GAAP - 842 - Finance – 00071 Asset - IFRS - 16 - Finance – 00047

Area of Change	Description
	Real Estate - IFRS - 16 - Finance – 00047 Real Estate - GAAP - 842 - Operating – 0007 (Tri-55831-IJ11431)
Asset Lease Real Estate Lease	When no fiscal line items exist for a lease, journal entries are no longer created. (Tri-55191-IJ09652)
Asset Lease Real Estate Lease	When performing a modification after decreasing the lease term and voided payments, the Asset value of IFRS Finance Schedule on Local Reporting is now amortized down to 0. (Tri-59111-IJ16229)
Asset Lease Real Estate Lease	When performing a modification after the lease has been impaired (FMV < Current Asset Value), the Current Asset Value is no longer reset to the FMV amount but calculates the new asset value based on the change in the liability. (Tri-56094-IJ11958)
Asset Lease Real Estate Lease	When performing a modification after the lease has been impaired, the accounting schedule is calculated. The lease remains as an impaired lease. (Tri-58870-IJ16134)
Asset Lease Real Estate Lease	When processing advanced payment schedules, a workflow Retrieve task now retrieves the correct value when the control number field changes from 999999 to 1000000. (Tri-57515-IJ14600)
Asset Lease Real Estate Lease	When processing periodic journal entries for the period, journal entries are now created for the ASC 840/IAS 17 standard. (Tri-54648)
Asset Lease Real Estate Lease	When Tax Type is added under One Time Payment/Tax Breakdown, it can now be removed by using the Remove action. (Tri-54200-IJ08466)
Asset Lease Real Estate Lease	When terminating a lease with a Termination Penalty fee, the fee is now included as part of the Net Rent in the last fiscal line item of accounting schedule. (Tri-53816-IJ07774)
Asset Lease Real Estate Lease	When terminating a lease, the selection to void payments was changed from "Void payments on and after termination date?" to "Void payments after termination date?" The wording is now consistent with how the accounting fiscal line items are voided. (Tri-54390)
Asset Lease Real Estate Lease	When the Accounting Calendar that is selected on the lease does not have the corresponding fiscal month set up in the Classification settings, an attention message displays, and the lease will no longer transition to active state after clicking the Generate Accounting Schedule. (Tri-56010)
Asset Lease Real Estate Lease	When the classification of the lease is changed from Operating to Finance, only Journal Entry Setup with trigger sub type = Reclassification will be created. The following new Journal Entry Setup Templates are created: Asset - GAAP - 842 - Finance – 00058 Asset - GAAP - 842 - Finance – 00059 Asset - GAAP - 842 - Finance – 00060 Asset - GAAP - 842 - Finance – 00061 Asset - GAAP - 842 - Finance – 00062 Asset - GAAP - 842 - Finance – 00063 Asset - GAAP - 842 - Finance – 00064 Asset - GAAP - 842 - Finance – 00065

Area of Change	Description
	Real Estate - GAAP - 842 - Finance – 00060 Real Estate - GAAP - 842 - Finance – 00061 Real Estate - GAAP - 842 - Finance – 00062 Real Estate - GAAP - 842 - Finance – 00063 Real Estate - GAAP - 842 - Finance – 00064 Real Estate - GAAP - 842 - Finance – 00065 Real Estate - GAAP - 842 - Finance – 00066 Real Estate - GAAP - 842 - Finance – 00067 (Tri-54930-IJ09160)
Asset Lease Real Estate Lease	When the FASB Lease Type is Partial Building and the Is Cost or Fair Value Determinable field is set to No, you can now perform the lease test based on the economic life of the asset. (Tri-55900-IJ11156)
Asset Lease Real Estate Lease	When the first or last period of the account schedule is partial, the unamortized initial direct cost and unamortized prepayment amounts are now prorated. (Tri-55754-55912-IJ10877)
Asset Lease Real Estate Lease	When the lease is impaired at the end of the first period of the accounting schedule, the gain/loss value is now calculated using the correct period for the calculation (New Asset Value - Previous Asset Value). (Tri-55431-IJ11275)
Asset Lease Real Estate Lease	When the payment schedules include both short term and long-term payment schedules, the values on the Schedule Summary section are no longer double the amount. (Tri-55877-IJ12189)
Asset Lease Real Estate Lease	When the start date is the last day of the month with Payment Due On = First Day of Period for Frequency = Annually, the due date of the first full annual payment is now generated with the correct date. (Tri-56150-IJ12145)
Asset Lease Real Estate Lease	When there is a modification on a lease to reduce the rentable space or the number of assets, the gain/loss is now calculated by using the correct period of liability. Also, the new ROU asset is calculated by using the change in liability. Some of the existing Journal Entry Setup Templates are updated and some are newly created. Below are the Journal Entry Setup Templates: **Existing Journal Entry Setup Templates** Real Estate - GAAP - 842 - Operating - 00014 (No Variable) Real Estate - GAAP - 842 - Finance - 00014 (No Variable) Asset - GAAP - 842 - Finance - 00014 (No Variable) Asset - GAAP - 842 - Operating - 00014 (No Variable) Real Estate - IFRS - 16 - Finance – 00014 Asset - IFRS - 16 - Finance – 00014 Real Estate - GAAP - 842 - Finance – 00045 Real Estate - GAAP - 842 - Operating – 00044 Asset - GAAP - 842 - Finance – 00045 Asset - GAAP - 842 - Operating – 00044 Asset - IFRS - 16 - Finance – 00035 Real Estate - IFRS - 16 - Finance – 00035 **New Journal Entry Setup Templates** Real Estate - GAAP - 842 - Operating – 00067 Real Estate - GAAP - 842 - Finance – 00068 Asset - GAAP - 842 - Finance – 00066 Asset - GAAP - 842 - Operating – 00063 Real Estate - IFRS - 16 - Finance – 00042

Area of Change	Description
	Asset - IFRS - 16 - Finance – 00042 Real Estate - GAAP - 842 - Finance – 00069 Real Estate - GAAP - 842 - Operating – 00068 Asset - GAAP - 842 - Finance – 00067 Asset - GAAP - 842 - Operating – 00064 Asset - IFRS - 16 - Finance – 00043 Real Estate - IFRS - 16 - Finance – 00043 (Tri-55899-IJ11385)
Asset Lease Real Estate Lease	When there is an amendment in an ASC 840 schedule prior to the adoption process, the ASC 840 schedule now calculates correctly after the amendment period forward. The ASC 840 schedule is now the same between pre-adoption and post-adoption processes for all the periods. (Tri-56095-IJ11793)
Asset Lease Real Estate Lease	When there is Exit or Disposal Liability Carryover impairment, the operating schedule now functions correctly. The accrued liability starts with the Exit or Disposal Liability Carryover amount and amortizes down through rent expense. The first fiscal line item includes the Exit or Disposal Liability Carryover amount. (Tri-56087-IJ11848)
Asset Lease Real Estate Lease	When you copy a journal entry setup record or journal entry setup template record, the calculation input variable records are now created and populated correctly. (Tri-54530-IJ08652)
Asset Lease Real Estate Lease	When you first calculate the lease treatment with Incremental Borrowing Rate (IBR) > 0% and then change the IBR to 0, the NPV are now calculated correctly with the IBR = 0, where NPV of Rent = Total Rent. (Tri-54592-IJ11768)
Asset Lease Real Estate Lease	When you perform an adoption process, the straight line/amortization schedule (ASC 840) is no longer recalculated. (Tri-56872)
Asset Lease Real Estate Lease	When you process journal entries, journal entries no longer stay in processing status; all journal entries are processed. (Tri-55579-IJ10467)
Asset Lease Real Estate Lease	When you prorate a payment using 30 Day Basis or 360 Day Basis, the amount is no longer off by one or two days. (Tri-56793-IJ12871)
Asset Lease Real Estate Lease	When you select the Process Journal Entry action, now only those leases that are terminated in the current open fiscal period display. Leases in periods other than the current open fiscal period are no longer included. (Tri-56484-IJ12483)
Asset Lease Real Estate Lease	When you terminate a lease, if there are any payments where part of the payment is between the start date of the termination period and the termination effective date, the "Payment for Partial Period?" field is visible. You can choose whether to make a full payment, no payment, or a prorated payment. (Tri-58121-IJ14925)
Assets	The "Delete" action no longer appears on the Component Assets section of Technology Assets. The "Remove" action can be used to remove a component asset from Technology Asset record. (Tri-57493-IJ14014)
Assets	The Form "X" or Windows "X" on Asset Forms no longer hides actions/fields previously displayed under the Asset Status section when the Form is opened again. (Tri-58541-IJ5679)

Area of Change	Description
Assets	Various issues have been resolved for the Remove and Find actions on Asset Forms with Component Assets sections. (Tri-57147-IJ14015)
Assets	When a task is created through Reading Based PM Schedule, if the "Primary Location for Service Assignment Search" on the Job Plan is not populated, then the Primary Work Location on the Task is no longer blank and correctly displays the Primary Work Location on the Task from the Asset or Location of the Job Plan if the "Primary Location for Service Assignment Search". (Tri-54230-IJ09064)
Budget	The Linked Form field on the Approval record that is created on the Project Budget Change form is now populated correctly with the form label. (Tri-59944-IJ17872)
Business Unit General Ledger	The related report 'Business Unit General Ledger – Active' now shows all the business unit general ledger records that are in Active state. (Tri-58361-IJ15394)
Capital Project	In a capital project, in the Schedule tab, in the Summary section, after you click the Import From MS Project action, the Project Importer popup form now includes information about the project planned start date and end date. (Tri-49194)
Capital Projects	When an RFP is revised, it no longer creates blank Bid Documents under Proposals section of Capital Project. (Tri-54144)
Classifications	Fiscal Period classification records for Standard Calendar are now available through the year 2140. (Tri-54181-IJ10884)
Classifications	The Discipline field on Standard Contract and Standard Contract Change Order no longer refers to an incorrect "Service Assignment Class" classification instead of the "Discipline" classification. **Important note for upgrading customers:** The OM upgrade may not remove the "triMatrixServiceClassCL" field from Standard Contract and Standard Contract Change Order BO. If this field is not used anywhere, then it can be removed manually from the BO. (Tri-54543-IJ11157)
Classifications	Wrong time zone entries are corrected and missing time zone entries are created. (Tri-55829-IJ11461)
ENERGY STAR	Security questions and answers will not be sent to ENERGY STAR Portfolio Manager when creating a test account. ENERGY STAR no longer requires security questions and answers to create an account. (Tri-61412)
Facility Assessment	The Solutions section on the Opportunity form now displays the records that were added through the Add section action. (Tri-54248-IJ08269)
Facility Assessment	The value of FCI Level 1 on the FCI History record created from Property is no longer populated with the FCI Level 2 value on Property. (Tri-55615-IJ10789)
Geography	The related reports "States - Active" and "States - Review In Progress" now display expected results. (Tri-58373-IJ15480)
Inspection Tasks	Resolved an issue after upgrading to TRIRIGA 10.6 where the Time Log section on the Resources tab of the Inspection Task form had an error due to a missing query in 10.6 Application OM Package. (Tri-58157-IJ15296)

Area of Change	Description
Inventory	When an inventory item has been issued through issue transaction, the "Quantity Item Issued" on the inventory bill of materials added to the work task is now updated. (Tri-55896-IJ11023)
Invoice	The Organization, Work Phone, Work Fax, Email, and Country fields under the Vendor section of the Contract Invoice are now populated from Vendor Company section of Standard Contract. (Tri-54653-IJ08916)
Invoice	Upon voiding (retiring) the RE Invoice and Asset Invoice the Active Quick Add One Time Payments payment line item will be voided and Active Contract Payment Line Items will be de-associated from the Invoice. Paid Payment Line Items will not be impacted and will stay inside the Invoice. (Tri-58033-IJ14938)
Job Run Items	The Scheduled Date on Job Run Item records created from the Job Scheduler or System Job Scheduler Forms is displaying duplicate entries for the last two records because of the current calculation of End Date + Capture Lag. The issue has been resolved by providing another way of calculating the Scheduled Date using Start Date + Capture Lag. Now no duplicate records are created. (Tri-IJ12380-55945)
Lease Journal Entry Setup	A new checkbox for Use Likely Expiration Date If Nth Period Is After Likely Expiration Date is added on the Calculation Input Query Section of the Lease Journal Entry Setup form. When this Checkbox is set and the Nth period is after likely expiration date, the fiscal period for likely expiration date is used as the Nth period in the calculations. (Tri-60238-IJ17988)
Locations	To avoid confusion, the label for "Building RU Ratio (11)" on the "Space Rollup Summary Building" BIRT report on the Building form has been changed to "Actual Building RU Ratio (11)"; the label for "Floor RU Ratio (11)" on the "Space Rollup Summary Floor" BIRT report on the Floor form has been changed to "Actual Floor RU Ratio (11)"; and the label for "Property RU Ratio (11)" on "Space Rollup Summary Property" BIRT report on Property form has been changed to "Actual Property RU Ratio (11)". (Tri-56506-IJ14191)
Locations	When the Primary Location and Primary Organization of a person are changed at the same time, the Occupancy Allocation is now updated in the original/old space. (Tri-58725-IJ16681)
Mobile - Work Task	In the Location Details of the UX Perceptive Work Task app, the floor plan and the BIM image are displayed in their respective tabs if both are available. If only one is available, it is displayed without the use of a tab. (Tri-51979)
Mobile - Work Task	In the UX Perceptive Work Task app, if there are more than 50 work tasks in the Closed tab, 50 are retrieved from the server at a time, instead of retrieving all records at once. The next 50 are fetched when you reach the end of the first 50. In addition, when the next batch is retrieved, the page retains its position and does not reposition you to the beginning of the first 50. (Tri-52931)
Mobile - Work Task	In the UX Perceptive Work Task app, in the Add or Edit Material page, the button to add the material is now disabled when the numbers typed in the number fields are invalid. If an invalid format is used, an "Invalid input" error messages is displayed. (Tri-52020)
Mobile - Work Task	In the UX Perceptive Work Task app, the Procedure Details page now displays the asset location if the asset has a location. (Tri-53246)

Area of Change	Description
Mobile - Work Task	In the UX Perceptive Work Task app, work tasks are now sorted based on Priority and then by Planned Start. (Tri-54965)
Mobile - Work Task	In the UX Perceptive Work Task app, you can now move from the Closed tab to other tabs after the Closed tab has displayed more than 50 work tasks. (Tri-54538)
Mobile - Work Task	When performing a Room Search in the Locate app via the UX Perceptive Work Task portal or the Workplace Services portal in the Edge browser, if the user closes the question dialog box when prompted for permission for the website to use the current location, a loading spinner is no longer displayed indefinitely. (Tri-52275)
Mobile - Work Task	When running the UX Perceptive Work Task app in Edge in Windows, if a user chooses not to display the optional procedure steps, the optional steps are now hidden and no white space is displayed. (Tri-53204)
Mobile - Work Task	When using the Work Task app in the Edge browser, the correct placeholder text is now displayed for the Description field and the Resolution Summary fields browser instead of "null". (Tri-53658)
Navigation Items	The navigation item "Master Detail - Furniture Asset - Portfolio" no longer has incorrect selections for Module and Report. The navigation item is now set to select the Module as "triAsset" and Report as "triFurniture - triAsset - Manager Query". (Tri-58178-IJ16410)
Notifications	After users delete notification records and the cleanup agent runs, the associated notification link records are now deleted from the database. (Tri-54935-IJ11286)
Notifications	Service agreement expiration notifications are now correctly generated when there is more than one person defined for the same role. Now, notifications are sent to all appropriate users. (Tri-54158-IJ08748)
People	After a successful password reset, the old Password Expiration Event record is now correctly de-associated from My Profile. (Tri-57973-IJ57973)
People	The published name for the triPeople business object is changed to (Last Name, First Name - ID). (Tri-58888-IJ16737)
Process Accounts Receivable Receipts	The attention section on the AR Receipt now displays complete details, including the amount precision value that is causing the validation error on the 'Issue' process. (Tri-59535-IJ17479)
Process Journal Entries	Improved journal entry processing performance. (Tri-53361-IJ08470; Tri-55830-IJ12328)
Process Journal Entries	Segment errors validation for Lease General Ledger segments now works correctly. (Tri-59709)
Process Journal Entries	When processing journal entries where the process type is Lease Event JE, the Last Journal Entry Process Period Date field is no longer set. (Tri-57283-IJ14437)

Area of Change	Description
Project Budget	For the following fields under triProjectOriginalBudget BO are updated with new query name "triCostCodeIntermediate - Display - triProjectOriginalBudgetTemplate Associated by Has Cost Details (38044)" in the data modeler. 1. triItemsLaborTotalTemplateNU 2. triItemsMaterialTotalTemplateNU 3. triItemsOtherCostTotalTemplateNU 4. triItemsAmountTotalTemplateNU The following fields are not used anymore and the extended formulas for these fields are cleared. 1. triCostItem --> triFiscalLineItem --> triScheduledAmountNU 2. triCostEstemate -->triAmortizationSummary --> triCompoundRateNU 3. triCostItem --> triFiscalPaymentSummary --> triScheduledAmountNU (Tri-57516-IJ15475)
Projects	The Currency UO on child records created under the Procurement tab of a Capital Project is no longer editable and is populated from parent project. (Tri-54063)
Query and Reporting	BIRT disclosure reports that referred to Field Services licenses as "Named", now say "Authorized". For example, "IBM TRIRIGA Field Services Named" is now "IBM TRIRIGA Field Services Authorized". (Tri-54568)
Query and Reporting	For BIRT reporting, if the Business Unit parameter is set to null or blank for the BIRT report, only the records for the business units that the user has access to will be displayed. To enable the selection of the Business Unit on the BIRT disclosure report, use one of the following three options in TRIRIGA. **Note:** Business Units should not contain special characters, such as , or ' or ". The following scenarios are supported: Option 1 (DEFAULT): All leases must include a Business Unit setting with both Accounting Calendar and Lease Accounting Open Fiscal Period values selected. Option 2: All leases must include a Business Unit setting with an Accounting Calendar value selected but Lease Accounting Open Fiscal Period value is not required to be selected. You must complete the following steps: 1. Go to My Reports > System Reports and search on "triMyCompany - REPORT - Business Unit". 2. Open the report and click on the Filters tab. 3. Remove the "Lease Accounting Open Fiscal Period" system filter. 4. Run the report. The expected result is that it will return Business Units for which "Lease Accounting Open Fiscal Period" is either set or not set. Option 3: Leases are not required to include a selection for Business Unit. You must complete the following steps: 1. Go to My Reports > System Reports and search on "triMyCompany - REPORT - Business Unit". 2. Open the report and click on Filters tab. 3. Add "triOrganizationName" as a System filter and set the Operator to "Equals" and the Value to "NOT USE". 4. Run the report. The expected result is that it will return nothing. (Tri-58645-IJ16390)

Area of Change	Description
Query and Reporting	For MSSQL databases, the Operating Cash Flow Report now includes leases with the lease type 'Expense Lease - Master Sublease'. (Tri-58018)
Query and Reporting	In the Future Rent Obligation Detail - Reporting Currency BIRT report, the value of the Reported Lease Liability column is now pulled from the period before the report period. (Tri-55875-IJ10948)
Query and Reporting	In the Future Rent Obligation Detail for Lease Currency BIRT report, the group by is now record id of the lease. This avoids combining data from leases that have the same name. (Tri-57140-IJ13193)
Query and Reporting	In the parameters for the Future Rent Obligation Detail for Lease Currency BIRT report, the business unit list now displays all appropriate business units. Also, reduced the time for the business unit parameter list to load. (Tri-57271-IJ13265)
Query and Reporting	In the Weighted Average Remaining Lease Term and Discount Rate report, the values displayed in the Remaining Months at Reporting Date column are now calculated correctly. (Tri-55488-IJ10840)
Query and Reporting	Invalid expression to retrieve value in presentation data errors no longer appear when the BIRT Program Financial Summary Report is generated without report data. (Tri-54091-IJ08080)
Query and Reporting	On the Funding Analysis Summary BIRT report, the rounding of FCI under Option 2 is now consistent with FCI under Option 1 and Option 3. (Tri-56522-IJ13139)
Query and Reporting	Operating Lease Expense and Finance Lease Expense for Local Reporting BIRT report now includes lease expense for terminated and expired leases. (Tri-56931-IJ12933)
Query and Reporting	Operating Lease Expense Report and Finance Lease Expense Report now include lease expenses for terminated and expired leases. (Tri-56377-IJ12539)
Query and Reporting	Option Master Report BIRT report improvements include (1) a new As of Date parameter that is intended to be the start of the fiscal month, (2) calculation of the Months to Effective Date is the number of months from the As of Date to the effective date of the option, and (3) a new Renewal Expiration Date field. (Tri-55271-IJ10323)
Query and Reporting	Running the Weighted Average Remaining Lease Term and Discount Rate BIRT report no longer causes a report query loading error. (Tri-55136-IJ10602)
Query and Reporting	Runtime exceptions are no longer showing when running the following BIRT reports. - Future Rent Obligation Detail - Reporting Currency Report - Weighted Average Remaining Lease Term and Discount Rate Report (Tri-59459-IJ16768)

Area of Change	Description
Query and Reporting	The following BIRT reports are no longer missing parameter values on the top of the BIRT report when run against a BIRT server: - ROU Asset and Lease Liability Report - ROU Asset and Lease Liability Report - Local Reporting - Operating Lease Expense Reporting - Operating Lease Expense Reporting - Local Reporting - Future Rent Obligation Detail - Reporting Currency - Weighted Average Remaining Lease Term and Discount Rate Report (Tri-59457-IJ16770)
Query and Reporting	The Future Rent Obligation Detail Report for Lease Currency, Future Rent Obligation Detail Report for Reporting Currency, and Financial Summary Report are updated to run for non-standard calendar with fiscal periods that are formatted like "2018 – 01". These three reports can now accommodate leases on and beyond 2038. (Tri-56962-IJ14936)
Query and Reporting	The Future Rent Obligation Detail report no longer includes the reporting period when calculating future payments and present value discount. Also, the reported lease liability column now uses the liability value from the reporting period. (Tri-56510-IJ12903)
Query and Reporting	The Lease Recording BIRT report and the Lease Initial Recording BIRT report for local reporting now include additional columns and updated currency conversion logic. The Lease Recording BIRT report now reports initial as well as modification values for Asset and Liability. The initial asset and liability conversion is based on currency conversion rates at commencement date. The change in asset and liability conversion is based on currency conversion rates at the accounting start date. Expanded report parameters include 'Contract Status' and include the ability to select multiple statuses. (Tri-56375-IJ13986; Tri-58182-IJ15290; Tri-57925)
Query and Reporting	The Operating and Finance Lease Cash Flow BIRT reports, including those for Local Reporting, now include lease expense for terminated and expired leases. (Tri-56485-IJ12666; Tri-57203-IJ13191)
Query and Reporting	The ROU Asset and Lease Liability Report and ROU Asset and Lease Liability - Local Reporting BIRT reports are now showing data on the initial run when running against the BIRT process server. (Tri-59458-IJ16769)
Query and Reporting	The Short-Term Lease Cost disclosure report for both local and non-local reporting now shows all leases, including those with active, terminated, and expired statuses. (Tri-57402-IJ13547; Tri-57444-IJ13886)
Query and Reporting	The Short-Term Lease Report BIRT report now filters for Payment Summary Type = Rent instead of Payment Type. (Tri-55442-IJ10732)
Query and Reporting	The Tenant, Address, and Contract Name are no longer truncated. Complete data shows on both RE Invoice Bulk Print and Asset Invoice Bulk Print BIRT reports. (Tri-54241-IJ08479)

Area of Change	Description
Query and Reporting	The 'triFiscalLineItem - BIRT - Future Rent Obligation Detail - Reporting Currency' report now includes the complete contract name after exporting to PDF. (Tri-58910-IJ16228)
Query and Reporting	The Weighted Average Lease Term and Discount Rate report now correctly returns values based on the end date of the reporting fiscal period. (Tri-56118-IJ12146)
Query and Reporting	The Weighted Average Remaining Lease Term and Discount Rate report now displays the correct value for the Lease Liability Balance column. (Tri-56042-IJ11491)
Query and Reporting	The width of the Contract Name column is increased in order to accommodate long contract names. (Tri-59150)
Query and Reporting	Updated the disclosure reports to correct an issue for leases on and beyond 2038. (Tri-58325; Tri-58326)
Real Estate Abstract	The Lease Abstractor is now able to see records under "Work In Progress Lease Abstracts" portal section and "My Lease Abstracts" navigation item on RE Abstractor Home Portal. (Tri-53027-IJ09020)
Real Estate Invoice	When a Quick Add One Time Payment record is created, the Paid Date field is no longer populated until the payment line item status is updated to Paid. (Tri-58016-IJ14868)
Real Estate Lease	External Lease Documents are now displayed correctly under the Notes & Documents tab of a Real Estate Lease. Also, they are correctly displayed under the External Document field popup query on the Lease Clause record created on the Clauses, Options & Terms tab of Real Estate Lease. (Tri-59714-IJ17540)
Real Estate Lease	In the Data Modeler, the Root Classification field property now displays the expected value for Document Type under triContract and triRealEstateContract. (Tri-58484-IJ15741)
Real Estate Lease	The popup query for the Find Template action in the Clauses section of the Clauses, Options & Terms tab on a Real Estate Lease now displays the Lease Clause Template records correctly instead of Lease Clause records. (Tri-60144-IJ18062)
Real Estate Lease	When you copy a Real Estate lease, the other addresses on the Locations tab are now copied. (Tri-53980-IJ07934)
Real Estate Project	In the RE Project Lease, RE Project Sublease, RE Project Expiration, RE Project Termination, and RE Project Current Terms forms, in the Executive Summary tab, the field labels were changed to Yearly Savings, Productivity Savings, and Cash Income Savings. (Tri-53938-IJ08058)
Real Estate Transaction Term	Fiscal Year section on All types of RE Transaction Term Record will use Fiscal Year Classification instead of Years Classification. (Tri-59365-IJ16845)
Report Scheduler	The display query under the Send Reports To section on the Report Scheduler form now displays the Consultant and External Contact records. (Tri-58133-IJ15058)

Area of Change	Description
Requests	If the Response Required flag on a Request Class is checked, the Request now remains in Routing In Progress status and an Action Item is sent to the user. (Tri-55955-IJ12652)
Requests	The Funding Request no longer gets stuck in Routing In Progress status. Also, users with access to the TRIRIGA Facilities Assessment Manager group are now able to see the "Send" action on Response Log pop-up form to send the response and complete the Funding Request. (Tri-57589-IJ14487)
Reserve App	The daily recurring reservation feature of the UX Perceptive Reservation app now calculates the number of occurrences correctly. (Tri-57438)
Security	The association type for the Get Security Groups task of workflow "triWorkTask - Synchronous - Bar Code Intermediates - Process" is now Any. This supports existing records using the Belongs To association type and new records using the Associated To association type. (Tri-52733-IJ12581)
Security	The TRIRIGA Lease Accountant group now has access to the "triGeneralLedgerSegment" form. (Tri-60151-IJ18332)
Security	Users can now be deleted under the Members tab of the Security Group. (Tri-59501)
Space Assessment	Multiple Move Out logs are no longer created when a person is removed from a Space record. (Tri-53755-IJ07991)
Space Assessment	The Move Log information is now displayed correctly under Move Log section of Employee record to display the Move-Out Log record before the Move-In Log record. (Tri-53754-IJ07973)
Space Assessment	The Retire action on the "Spaces - Active" manager query is not considering the allocations on the space before retiring the space. The issue has been resolved by adding a new Retire action to the query that will trigger a validation workflow to consider the allocations when retiring the space. (Tri-54996-IJ12646)
Space Use Agreements	In a space use agreement, the Area Level Allocations section and the Space Level Allocations section now have a Remove action. This action is available to members of the Admin Group and the TRIRIGA Space Manager groups. (Tri-54060-IJ09248)
Specifications	The State Transition Attributes for SubActions "Activate" under null state and "Final Approval Hidden" under triReview State have been changed to "Review In Progress". Warnings will no longer be added to the server.log. (Tri-58642-IJ16231)
System Setup	The display mask on Norwegian Krone currency UOM Value record is now correctly set to "### ###,00". (Tri-57512-IJ14741)
System Setup	The End After and End Date options on the Job Event record are now visible when the Recurrence Type is selected as Daily, Weekly, Monthly, and Yearly. Also when Recurrence Type is selected as Weekly, the Weekly Recurrence Days are now visible. (Tri-53933)

Area of Change	Description
System Setup	The Graphics Menu Group is now displayed as expected at Tools > Utilities and Tools > Administration for users with appropriate licenses. (Tri-58564-IJ15748)
Task Management	Users logged in with TRIRIGA Service Manager group were unable to revise the Service Agreement record because the Contract Revision pop-up Form opened from the Revise action on the Service Agreement record is read-only. The issue is resolved by giving full access to the Contract Revision Form for TRIRIGA Service Manager group. (Tri-60547)
Tools	On the Job Scheduler, when the "Default Load Fact Tables" is run, errors no longer occur because of the size of fields belonging to business objects triMoveProjectCostFact, triSpaceAllocationFact, triSpacePeopleFact, triTaskDetailFact, triTaskResourceFact, triTimeEntryFact, and triWorkerFact is too small. The size of these fields is increased to 700. (Tri-53730-IJ07776)
Utility Invoices	Energy, Waste, and Water Log records are now displayed correctly under the Utility Logs section of a Utility Invoice. Also, the Find action popup query under Building System Item section of Opportunity record now displays the records as expected. (Tri-59185-IJ17182)
UX Framework	On an Android phone, when logging into any of the TRIRIGA UX Perceptive applications, such as Workplace Services Portal, Service Request, Move Request, or Room Reservation, if the login page was displaced upward by the user or by the virtual keyboard, the title banner of the subsequent pages now remains anchored to the top of the page. (Tri-47181)
UX Framework	Removed the UX web view component triplat-weather-app. It is in the UX component library as triplat-weather. (Tri-47266)
UX Reserve App	Users can now search for rooms in the UX Perceptive Reservation app after setting a recurrence pattern for which the system automatically resets the start date. (Tri-58021)
Workflow	Resolved issues with workflows that had contained invalid switch conditions after upgrade. (Tri-58487-IJ15492)
Workflow	Some of the shipped workflows with Create/Modify tasks have the same map id as another task within the workflow, which causes an issue when the user is trying to modify the workflow. The issue has been resolved by revising the workflow and re-map the fields on one of the tasks with same map id to make sure a new map id is assigned for it in db. (Tri-60676)
Workflow	The "triCostItem - Synchronous - Increment Line Number" workflow has been removed to improve performance. (Tri-57440)
Workflow	The expression defined in the second switch task of workflow "triTask - Synchronous - Restrict Summary Task editing" is changed so that the workflow now goes into the true path when the state is triReview or triRetired. (Tri-59539-IJ17742)
Workflow	The Pre-Load Workflow "triContractNotification - Synchronous - Preload Insurance Contract" has been removed from the triContractNotification Form. This workflow will not be triggered anymore during the creation of Contract Notification records and will not display any errors in server.log. (Tri-59101-IJ16767)

Area of Change	Description
Workplace Reservation Manager	The single reservation that is created from Outlook without using the Reserve Outlook add-in is now considering the hold time from the foundation and UX application. The issue was resolved by modifying the workflow that is involved in creating the reservation from the Outlook process to check for the hold time correctly. (Tri-58995-IJ16573)
Workplace Reservation Manager	When making a room reservation, if the reservation is ended early, this change is now getting updated on the dependent resource, such as a reservation space group which includes the reservation space. (Tri-54703-IJ09212)
Workplace Reservation Manager	When using an Android tablet in portrait mode in non-US English languages, the Reservation Summary page now displays the Subject label and the Meeting Space label in full. (Tri-47567)

IBM TRIRIGA 10.6.1 Patch Helper Workflows

Patch helper workflows correct the record data in your IBM TRIRIGA application. A patch helper workflow can revise and update, bring new data records for a release, and recalculate records. The patch helper makes necessary changes to your IBM TRIRIGA database. You apply the patch helper workflows for a release after you install or upgrade to that release. Wait for one patch helper workflow to complete before you begin the next. Some patch helper workflows can take a long time to complete.

Note: Many of the patch helpers included in this release have already been included in earlier fix packs, as shown in the patch helper name. When you run the main 10.6.1 patch helper workflow, it determines which of the other patch helper workflows have already been applied and does not re-run any that are already applied to your system.

The following patch helper workflows are in this release:

Name	Description
triPatchHelper - Synchronous - 10.6.1 - Main Patch Helper	This main 10.6.1 patch helper checks and triggers the rest of the patch helper workflows. If any of the patch helper workflows have already been applied to your system via previous fix packs, they will not be re-run.
triPatchHelper - triCalculate - 10.6.1 - Application Data - App Version	Creates the 10.6.1 application version record if it has not yet been created. If it was already created, it will update the Install Date/Time.
triPatchHelper - triCalculate - 10.6.1 - Set Record Journal on JE Setup Template	Sets the "Record Journal" field as checked on the Journal Entry Setup Templates records. (Tri-60620)
triPatchHelper - Synchronous - Update Publish Name On Approval Rules	Updates the publish name on existing Approval Template records. (See also Tri-59429 above.)
triPatchHelper - triCalculate - 10.6.1 - Update Publish Name On People	Updates the publish name of the existing triPeople records to "Last Name, First Name – ID". (See also Tri-58888 above.)
triPatchHelper - triCalculate - 10.6.1 - Update Wrong Time Zones	Updates the Name and Time Zone of the existing Time Zones records below. (Defect 55829) (GMT +4) Moscow, St. Petersburg, Kazan, Volgograd [Europe/Moscow] (GMT +10) Guam, Port Moresby, Vladivostok [Pacific/Guam] (GMT +11) Magadan, Solomon Is., New Caledonia [Australia/Hobart] (GMT +12) Fiji, Kamchatka, Marshall Is. [Pacific/Fiji]
triPatchHelper - triCalculate – FIX COST INDEX ASSOCIATION - Lease Clause	A system-created association string is used for the Cost Index classification field in the Index Adjustment section that is not available if there is a need for a workflow to handle the cost index record. This is due to an association string that is not defined for the Cost Index field in smart section field within the lease clause. The association is fixed and a patch helper is now provided to fix existing data. The patch helper is called "triPatchHelper - triCalculate – FIX COST INDEX ASSOCIATION -

Name	Description
	Lease Clause". There is no need to add 'Classified by triCostIndex' to association types. **Important note:** This patch helper is run by using the special string "FIX COST INDEX ASSOCIATION". It will not be triggered by the 10.6.1 main patch helper. (Tri-59015-IJ14743)
triPatchHelper - triCalculate - 10.6.0.1 - Make OnChange ASC 840/IAS 17 Journal Entry Templates	Triggers on-change workflow for the journal entry templates that are marked as ASC 840/IAS 17 standard.
triPatchHelper - triCalculate - 10.6.0.2 - Create Approval Data for Stack Plan	Manages the approval records for the Stacking application.
triPatchHelper - triCalculate - 10.6.0.3 - Fix Lease Clause Classification Data Association	This patch helper workflow fixes association strings for existing data for few classification fields, such as triBaseYearAmounttypeCL(Classified by Charge Amount Type) and triCapTypeCL(Classified by Cap Type), within the smart sections of the lease clause records by using the correct association strings as defined in the Data Modeler.
triPatchHelper - triCalculate - 10.6.0.3 - Set Journal Entry Level Flag for JE General Ledger Code Segment	As part of new journal entry performance changes, segments will now be created at both lease level and journal entry level. Use this workflow to set the Journal Entry Level Segment flag to TRUE on the existing Business Unit General Ledger only for the segment type equal to "Journal Entry General Ledger Code".
triPatchHelper - triCalculate - 10.6.0.3 - Show Trigger Expiration	Creates a new "Trigger Expiration" Boolean field available on the existing JE Setup Template and JE Setup records that currently have the Trigger Sub Type = Termination or Expiration. This patch helper separates the Expiration JEs and Termination JEs, which were combined before the patch helper ran. After using the patch helper so that the Expiration JEs and Termination JEs are separate, you can use the Expire action to trigger creation of Expiration JEs that round off the extra cents to zero. **Important note** – If the Expiration JE Setup Template records were previously set up in your TRIRIGA system records after using this patch helper and the Expire a "Trigger Expiration" Boolean field to differentiate th set of JEs from the Expiration set of JEs. As part of this change, the following JE Setup Templates are now available: Real Estate - GAAP - 842 - Operating - 00074 Real Estate - GAAP - 842 - Operating - 00075 Asset Lease - GAAP - 842 - Operating - 00076 Asset Lease - GAAP - 842 - Operating - 00077 Real Estate - GAAP - 842 - Finance - 00075 Real Estate - GAAP - 842 - Finance - 00076 Asset - GAAP - 842 - Finance - 00072

Name	Description
	Asset - GAAP - 842 - Finance - 00073 Asset - IFRS - 16 - Finance - 00049 Asset - IFRS - 16 - Finance - 00050 Real Estate - IFRS - 16 - Finance - 00049 Real Estate - IFRS - 16 - Finance - 00050 (Tri-59030-IJ14576)
triPatchHelper - triCalculate - 10.6.0.4 - Application Settings Defaults	Sets the default values on the Application Settings record.
triPatchHelper - triCalculate - 10.6.0.4 - Create Classification for Asset Leases	Creates a new Lease Treatment record for the new GAAP / IFRS Classification section on the Accounting tab of an Asset lease and map the values from Lease Treatment section.
triPatchHelper - triCalculate - 10.6.0.4 - Create Classification for RE Leases	Creates a new Lease Treatment record for the new GAAP / IFRS Classification section on the Accounting tab of a Real Estate lease and map the values from Lease Treatment section.
triPatchHelper - triCalculate - 10.6.0.4 - Hide Net Rent Basis On Application Settings	Hides "Net Rent Basis" field on the Lease Accounting Settings tab of the Application Settings record.
triPatchHelper - triCalculate - 10.6.0.4 - Show Day One Loss & Set Read Only	Makes "Exit or Disposal Liability Carryover" field on the Accounting tab visible and read-only for leases that had been activated once already.
triPatchHelper - triCalculate - 10.6.0.4 - Show ILCB & Set Read Only	Makes "Initial Liability Carryover Balance" field on the Accounting tab visible and read-only for leases that had been activated once already.
triPatchHelper - triCalculate - 10.6.0.4 - Update Fiscal Year in RETransaction Term	Updates the Fiscal Year of the RE Transaction Term records to point to "Fiscal Year" Classification instead of "Year" Classification.
triPatchHelper - triCalculate - 10.6.0.4 - Update Gross Asset, Accumulated Amortization and Impairment Reserve	The Gross Asset and Accumulated Amortization fields are added for the Operating/Finance schedule. The Impairment Reserve is also being calculated for the IFRS schedule when the impairment happens. Also, the label of the Asset Value column in Operating/Finance schedule is now changed to "Net Asset Value". The patch helper below is to update the Gross Asset, Accumulated Amortization, and Impairment Reserve fields for all the History leases of the current leases that are in Active, Review In Progress, Routing In Progress, Revision In Progress, and Revision Accounting In Review status. For the current leases that are in Active, Review In Progress, and Routing In Progress status, those fields will be updated on the current leases as well. For the current leases that are in Revision In Progress and Revision Accounting In Review status, the user will need to click on the Re-calculate Accounting Schedule action to have the fields updated.

Name	Description
	triPatchHelper - triCalculate - 10.6.0.4 - Update Gross Asset, Accumulated Amortization and Impairment Reserve
	Notes: 1. This patch helper may take a long time. If you choose to filter for a set of leases, the query is "triContract - Workflow - All Real Estate And Asset Leases Filtered By Status For Patch Helper". 2. Before triggering this patch helper, please inform users that they should NOT revise their leases or do anything with their existing leases until the updates are completed. (Tri-60731-IJ17161)
triPatchHelper - triCalculate - 10.6.0.4 - Update Purchase Price Effective Date	A new field, triPurchasePriceEffectiveDateDA (Purchase Price Effective Date), is added on triOption BO and triOption Form under Purchase Option section. User can set a date to this field to specify when the Purchase Price should be accounted for. Upon selecting a Purchase Option as Likely Term Option, the Purchase Price Effective Date is set with (if it's not already set on Option) the Accounting End Date of the lease. On Generating/Recalculating the Accounting Schedules, the Purchase Price specified in the Purchase option is added to accounting schedules. The amount is included as part of the Net Rent of the accounting period into which the Purchase Price Effective Date falls. A patch helper, 'triPatchHelper - triCalculate - 10.6.0.4 - Update Purchase Price Effective Date', can be run to update the Purchase Price Effective Date with Economic Life End on the existing Purchase Options as a default. (Tri-60738-IJ17771)
triPatchHelper - triCalculate - 10.6.0.4 - Update Short Term Long Term Liability on Existing Leases	Interest Reduction, Accrued Interest Balance, Principal Reduction, Short Term Liability, and Long Term Liability fields are added to calculate the short- and long-term liability for both Operating and Finance schedules. The patch helper below is to update the Interest Reduction, Principal Reduction, Accrued Interest Balance, Short Term and Long Term fields for all the History leases of the current leases that are in Active, Review In Progress, Routing In Progress, Revision In Progress and Revision Accounting In Review. For the current leases that are in Active, Review In Progress and Routing In Progress, those fields will be updated on the current leases as well. For the current leases that are in Revision In Progress and Revision Accounting In Review, the user will need to click on the Re-calculate Accounting Schedule themselves to have the fields updated. **Notes:** 1. This patch helper may take a long time. If you choose to filter for a set of leases, the query is "triContract - Workflow - Existing Asset Lease and RE Lease for ST LT Patch Helper".

Name	Description
	2. Before triggering this patch helper, please inform users that they should NOT revise their leases or do anything with their existing leases until the updates are completed.
	"triPatchHelper - triCalculate - 10.6.0.4 - Update Short Term Long Term Liability on Existing Leases"
	(Tri-60699-IJ15199)

IBM TRIRIGA Application Platform 3.6.1

This release includes important information, known limitations, changes, and property file changes to the IBM TRIRIGA Application Platform.

Important Information

The following items are important information concerning the IBM TRIRIGA Application Platform and are newly added for this release. For Important Information related to previous releases, see the Release Notes page of the IBM TRIRIGA wiki.

Area of Impact	Description
BIM Connector	Before creating a new asset, the connector attempts to match each asset to an existing TRIRIGA asset record. First, it attempts to match the Revit Component ID to an ID in a triBIM staging record. This is useful if the building is being re-attached. Second, it tries to match the IBM.Barcode parameter value to the barcode of existing asset records. If a match is found, the asset is linked to the existing record. The barcode match is not restricted to the building being linked. If an asset is matched by barcode, the integration workflows move the asset in TRIRIGA from wherever it is, including a different building, to its location in the Revit model. (Tri-56692)
BIM Connector	The workflows used by the BIM Connector asset integration tool to find specifications to use to create assets rely on specification form names. If as part of TRIRIGA configuration, the form names have been changed or additional forms added and the target specification uses a new or altered form, asset import fails with an error that a specification is required to create an asset. This can be resolved by running the system report triBIMSupportedSpecTypes - Dev and updating the Specification Type Form field, or by adding additional records to the table with the added form names. (Tri-60843)
Query and Reporting	In certain circumstances, queries opened from bookmarks or other methods may not have a horizontal scroll bar when you use Microsoft Internet Explorer. In order to have the horizontal scroll bar functionality, use any "Evergreen" browser. (Tri-56545-IJ12498)
Query and Reporting	Where the enhanced query grid is used, any customized styles such as customized colors that were previously applied to query components may not appear out of the box. You will need to submit a customized style spreadsheet via Style Manager to have your desired styles to appear on the enhanced query grid. More details on applying styles to the enhanced query grid can be found in the NRTE videos for the Enhanced Report Renderer. Links to NRTE videos can be found in the Media Library. (Tri-55141)
System Setup	In TRIRIGA 10.6.0, the default system user account had a USERCOUNT set to 10. On a clean 10.6.1 install, this has been reset to 1. For those on 10.6.0, the usercount can be updated by adding the SYS_USERCOUNT field to the System tab of the "My Profile" form, opening up the 'System, System' record, changing the value from 10 to 1, and saving the record. The "My Profile" form can then be revised once again, to remove the newly added SYS_USERCOUNT field. (Tri-54652)

Area of Impact	Description
Upgrade	The first time a model that has previously been integrated with TRIRIGA is used with the new BIM Connector, it must be upgraded. The ribbon only enables tools that are needed for the upgrade or are valid without upgrading including an upgrade tool. Upgrading may involve the following steps: 1. Add additional name generation configurations from Project Settings. 2. Run Populate Parameters. This can be done with all parameters set to update only if blank. 3. Upgrade the model and possible server data using the Upgrade tool. (Tri-55471)
UX Framework	In an SSO-enabled TRIRIGA environment, when you add a UX application home screen shortcut on iOS Safari/macOS Safari or add a bookmark in Edge, the TRIRIGA favicon is not displayed. Instead a default general icon is generated that is specific to the browser. The shortcut can still be used to launch the UX application. (Tri-53388)

Known Limitations

The following items are known limitations concerning the IBM TRIRIGA Application Platform and are newly added for this release. For Known Limitations related to previous releases, see the Release Notes page of the IBM TRIRIGA wiki.

Area of Impact	Description
BIM Connector	If an element is displayed in the property panel, then a subsequent element of exactly the same type is selected, the property panel is not updated for the new selection. If the current element is deselected before the new element is selected, the property panel works correctly. This is a known limitation of the method recommend by Autodesk to trap selection changes. (Tri-56691)
BIM Integrator	If the Revit application is open and the BIM Integrator is being updated from a previous build of version 2.6.0 to a later build of the same version, the existing revitintegrator.dll file is not overwritten. As a result, version 2.6.0 does not reflect the later build of the BIM Integrator in the Revit application. To upgrade to the later build, user should close the Revit application, delete the AR integrator folder inside C:\ProgramData\IBM\Tririga and install the later build. (Tri-55642)
BIM Viewer	If an object is searched from the Search bar brought up from inside the BIM tab, multiple objects are returned if they have the same name. To have the search return a unique object, click the Model Browser icon and navigate to the object. (Tri-53828)
BIM Viewer	Opening multiple dialog boxes from within the BIM tab in the UX Perceptive Work Task Services app can cause them to overlap. To avoid this, close the previous dialog box, such as the "Model Browser," manually before opening the next dialog box, such as "Mark Up." (Tri-53878)

Area of Impact	Description
BIRT	BIRT server implementation does not currently support params.displayText. Any BIRT report using displayText will have unexpected issues when run against a BIRT server. Reports will run against a local BIRT server. Most OOTB TRIRIGA BIRT reports have been updated. Use this [wiki](#) to help update custom BIRT reports. (Tri-60636)
Gantt	Updated Gantt translation files for 3.6.1 will be made available in a future fix pack and through a wiki with instructions on how to apply them. (Tri-62895)
Globalization	Notification emails sent upon service request submission and completion may contain a mixture of languages. The mixture may occur when a service request is raised for someone else, and the language in the profile of the user who raised the request is not the same as the language in the profile of the user for whom the request is raised. Text in an additional language may appear when the language in the profile of the user who completed the resulting work task is different. The mixture of languages is possible when the request is raised using the foundation TRIRIGA app or the UX Perceptive Service Request app. (Tri-48862)
Installation	When TRIRIGA is installed to a managed node on WebSphere ND, the TRIRIGA install reports success, yet the JDBC Data Source may not be configured correctly. If TRIRIGA does not start, you need to log into the WebSphere Admin Console. Navigate to Resources -> JDBC ->Data sources. Select the "data" data source. When the data source opens, scroll to the Security settings section. If the "Component-managed authentication alias" drop-down field is set to "(none)", change it to the appropriate "TRIRIGAData" setting. Save your changes and restart the WebSphere server. This has been reported on TRIRIGA installations involving Microsoft SQL Server databases, but may also affect TRIRIGA installations on Oracle and DB2. TRIRIGA installations to unmanaged nodes on WebSphere do not encounter this issue. (Tri-53031-IJ07701)
Object Migration API	The Object Migration API online documentation for the addObjectToPackage and addObjectToPackageByName operations indicates the incorrect objectType parameter value to use for Forms. The Query Parameters table of the documentation indicates the parameter value GUI should be used. This is incorrect, and the correct value to use should be FORM.
	The online Object Migration API documentation can be found on any TRIRIGA environment at the following location: http://*TririgaServer*/api/doc
	Note: *TririgaServer* in this example is your TRIRIGA context URL.
	(Tri-62963)
Query and Reporting	The enhanced query grid will not support accessibility in 10.6.1/3.6.1. If accessibility is required when using reports, selecting Enable Accessibility Mode in the My Profile tab directs you to use the pre-3.6.1-style data grid. (Tri-55155)
Query and Reporting	Where the enhanced query grid is used, a processing wheel does not appear when a report is refreshed. To the user, it may appear that the report was not refreshed when it actually was refreshed. (Tri-62791)

Area of Impact	Description
Resource File	Although Revit does not support RTL languages like Arabic, from the BIM Connector side we have enabled the provision to support RTL languages. Once Revit support for RTL languages is available, then the BIM Connector will work as expected on RTL languages. (Tri-57394)
Upgrade	When upgrading from an older version of TRIRIGA to 3.6.1, an 'Error refreshing Cache [DICTIONARY]' exception, related to a triDictionaryEntry Business Object not existing may occur. If this error occurs, it is safe to disregard. The issue causing the error to occur fixes itself as a part of the upgrade. (Tri-60537)
UX Framework	Create Event is not working if there is a preferred time zone. (Tri-62166)

IBM TRIRIGA Application Platform 3.6.1 Changes

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

Area of Change	Description
Administrator Console	For DB2 only, the platform maintenance TRI_DO_REORG_TABLE_AND_INDEX() command now performs a reorg and runstats on any TRIRIGA table that DB2 deems needing a reorg. It also resolves an issue where the reorg command was not executed by the Platform Maintenance Agent or the Database Info page -> Cleanup Commands and Analyze when it should have been. Now, if the TRI_DO_REORG_TABLE_AND_INDEX() is set up in the Platform Maintenance Scheduler page (Maintenance Schedule object) with a cleanup schedule, the reorg and runstats runs on any TRIRIGA table that DB2 deems needing a reorg per the cleanup schedule. (Tri-58348)
Administrator Console	For DB2 only, there is a new platform maintenance command, TRI_DO_REORG_TABLE_AND_INDEX_ALL(), that performs a reorg and runstats on all TRIRIGA tables. The TRI_DO_REORG_TABLE_AND_INDEX_ALL() can be scheduled from the Maintenance Schedule object (the Platform Maintenance Scheduler page) in the Cleanup Schedule section. (Tri-60975)
Administrator Console	In Admin Users, after you click Save Users, an INFO record is written to the security.log for each user record saved. The following is an example from the security.log: 2019-01-16 16:04:59,997 INFO [com.tririga.architecture.security.logger.SecurityLogger] Account Management - Action: ADMIN CONSOLE PERMISSION VALUE [27], Account: 123456, By: 987654, From: xx.xxx.xxx.xxx, Status: SUCCESS After applying Verbose Security Logging, the following is an example from the security.log: 2019-01-16 15:58:19,491 INFO [com.tririga.architecture.security.logger.SecurityLogger] Account Management - Action: *** CHANGED - ADMIN CONSOLE PERMISSION VALUE [27] Previous permission value was 16777215, Account: 456789, By: 654321, From: Admin Console, Status: SUCCESS The number in brackets represents what the user has access to after the save. It is the decimal representation of a bitwise OR summation across all managed objects. For each of the 23 managed objects, a 1 indicates the user has access. For example, if the user has access to Admin Summary, Admin Users, Build

Area of Change	Description
	Number, and Caches, from left to right that is binary 11011 and all others are 0. The bitwise OR of 1, 10, 1000, and 10000 is decimal 27. The number after Account is the spec_id of the user that was saved. The number after By is the spec_id of the user that clicked Save Users. (Tri-56883; Tri-56890)
Administrator Console	In the Administrator Console, a user with access to the Error Logs object can now download logs. (Tri-58059-IJ14939)
Administrator Console	In the Administrator Console, in the Workflow Agent Info object, the labels now reflect users and groups. (Tri-58081)
Administrator Console	In the Administrator Console, on the Maintenance Schedule object, the reference at the bottom of the page is now linked to the IBM TRIRIGA Best Practices for System Performance wiki on DeveloperWorks. (Tri-55961)
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-54555)
Administrator Console	In the Workflow Agent Info object, workflow agent configurations are now saved with restricted users and groups. (Tri-54554)
Administrator Console	To promote using current platform releases, adopting a continuous delivery model, and to easily show customers, IBM SaaS Support, and Wipro TRIRIGA Support that a platform install is over six months old, the Administrator Console's System Status now displays a warning if the platform build is over a half a year old. It is very important to keep up to date with platform releases and fix packs for security, stability, performance, and overall improvements. To change the time period from six months, you can add the following property to the TRIRIGAWEB.properties file: BUILD_DATE_WARNING=XXX, where XXX is the number of days before the Administrator Console starts to display the warning message. Be aware that there is a very great risk when you remain on an un-patched platform version as bug fixes and vulnerability fixes are delivered with every fix pack. (Tri-60409)
Agents	Improved the performance of the Cleanup Agent. It no longer performs a full table scan when finding unlinked reference objects to delete. (Tri-55269-IJ10910)
Agents	In the Platform Maintenance Agent, if the BO cleanup task runs into a timeout, it no longer errors out while attempting to remove the temp IBS_SPEC_CA_DELETE table. (Tri-56444)
Agents	Starting with IBM TRIRIGA Application Platform 3.6.1, a new Deep Cleanup option was added to the Admin Console's Database Info page. This performs a deep-clean process by examining and removing stale and invalid data from both T_tables and metadata tables. This should not be run on a regular basis, and should only be used if processes or infrastructure problems beyond the control of TRIRIGA have introduced data inconsistencies, or if staff have gone in and deleted data directly from T_tables or metadata without running the normal cleanup process.

This process will take a while, and should be done on off-hours, on a very quiet database. It is a good idea to use the TRIRIGA System Lock to prevent people from logging in while the process executes. You must also backup your database |

Area of Change	Description
	before executing this action, since it will permanently delete the data in these tables. The only recovery option is to restore from backup.
	The process is also available to be run via a REST/Microservice/JSON interface. The endpoints are:
	Status (http get) http[s]://<tririga>[:port]/[context]/ui/v1/admin/deepcleanup/status Start (http post) http[s]://<tririga>[:port]/[context]/ui/v1/admin/deepcleanup/start Stop (http post) http[s]://<tririga>[:port]/[context]/ui/v1/admin/deepcleanup/stop
	(Tri-58164)
Agents	Unnecessary warnings in the server.log when agents are not running on the active server are now categorized as debug information. Warnings like the following no longer appear in the server.log, unless you enable debug logging in the Administrator Console > Platform Logging > Agent Management. '2018-12-28 17:50:28,899 WARN com.tririga.platform.agent.AgentHeartbeatService Found stale registry entry [startupId = 199, agentType = DataConnectAgent, hostName = desktop-5idk61h, state = [5 - Stopped]. Removing from agent registry'. (Tri-56618)
BIM Connector	An error message no longer displays when returning to the TRIRIGA Ribbon tab after closing other dependent tools, such as the Families or Assets tools. (Tri-60141)
BIM Connector	Closing the BIM Connector or logging out of TRIRIGA while a publish operation is in progress no longer leaves the operation incomplete in the model. Now, the process continues when you log in again. (Tri-58364)
BIM Connector	For floor plan graphics, this release improves space label positioning of spaces on floor plans that are published from the Connector for BIM. This improvement works with existing floorplans. It does not require republish. It addresses any regular polygon shaped room. It does not resolve issues with rooms with "hole-in-middle". (Tri-58768)
BIM Connector	In Project Settings, using the Remove button to remove parameters from the name rule no longer may cause the tool to crash. (Tri-59505)
BIM Connector	In the Space Use Class tool, filters for Room, Space, and Area now work correctly. (Tri-60608)
BIM Connector	Users can now control where labels are placed on TRIRIGA floor plans published from Revit by positioning the room tag in Revit. Custom space labels are placed where the Revit room tags are placed. You must republish your floor plans to leverage this change. With this change, floor plans published from the BIM Connector behave the same way as those published from CAD Integrator. (Tri-55132-IJ13127)
BIM Connector	When syncing Revit Rooms to TRIRIGA Spaces, if no Revit Area is mapped with the Room, the area value of the Space was not being updated. This is resolved and the area value of the Space will now update even if no Revit Area is mapped with the Room. (Tri-61227-IJ19619)

Area of Change	Description
BIRT	Non-required null parameter values are now properly handled when a BIRT report is sent to a BIRT server. (Tri-59717-IJ17491)
BIRT	Unnecessary MID Error no longer appears when executing a BIRT report locally or against a BIRT server. (Tri-59483)
BIRT	When running a BIRT report against a BIRT server, the Title, Cancel, and Close action buttons on the BIRT Parameter page and processing feedback now work. (Tri-59456-IJ16771)
CAD Integrator	The TRIRIGA code signing certificate for CAD Integrator/Publisher has been renewed. The installer and jar organization now show as WIPRO LTD. (Tri-61872)
Calendar Picker in Outlook Add In	In the Reserve Outlook add-in's "TRIRIGA Reserve" tab, the Calendar Picker no longer has issues with listing the times. (Tri-59080-IJ16567)
Connector for Business Applications (CBA)	Resolved a Connector for Business Applications (CBA) issue where the saveRecord operation did not show an error status for invalid field values, and the record would partially save. This is still the default behavior, but if you need the saveRecord operation to error when invalid field values are encountered, then set the following TRIRIGAWEB.properties setting: CBA_SAVE_RECORD_ERROR_ON_ALL_FIELD_FAILURES=Y (Tri-51606-IJ05873)
Data Load Manager	Resolved a Data Load Manager issue when creating a Data Load Sheet where one of the fields being included in the spreadsheet is a locator field with a large amount of data. (Tri-54169-IJ08745)
Data Load Manager	Resolved a Data Load Manager issue where Data Load spreadsheets failed to create. The server.log for the issue was showing an UnsupportedOperationException involving the HttpServerRequest getHeaders operation. (Tri-61034-IJ19642)
Data Modeler	A potential issue with stored procedures on MS SQL version 2016 after CU4 while publishing BOs with column size updates is resolved. (Tri-53021-IJ08475)
Data Modeler	In the Data Modeler, when you use the Field Search capability and you specify both the Module name and Business Object name then the field that you add to your business object will have the same properties as the field you selected. If you do not search for the Module name and Business Object name, existing functionality remains the same and default values will be applied to the field properties. (Tri-54502-IJ08959)
Data Modeler	Resolved a potential issue where a BO may not publish if it has a long name (28 characters) and localizable fields. This issue did not happen all the time, especially if the Module had other BOs with localized fields. (Tri-55948-IJ12086)
Document Management	BIRT reports uploaded into CMIS/FileNet now work correctly. (Tri-53959-IJ15247)
Document Management	Document uploads now correctly use the file location chosen by the user. (Tri-53247-IJ07140)

Area of Change	Description
Form Builder	After you add a state transition to a business object and form, the state transition now shows in the Security Manager. (Tri-55703-IJ10903)
Form Builder	Resolved an issue where the Display Fields in the Form Builder were not consistently controlling duration display on form runtime, query runtime, and query export to Excel. Note that if a form is specified in the query design then the display mask specified on the form will be honored in the query results as well as the query export to Excel results. Also note that metric queries are not included in this change. (Tri-56594-IJ13118)
Form Builder	The Availability Legacy section and all of its dependencies were removed from TRIRIGA. If an existing form includes an Availability Legacy section, a message displays that indicates the section is no longer supported. (Tri-57932)
Formula Engine	In Data Modeler, if an extended formula on a business object field is not created with the proper syntax, upon BO publish, an error is written to the server.log. (Tri-55908)
Formulas	The following formulas have been fixed to handle relative date fields by performing the calculation with the UTC time zone instead of the system time zone. This change does not affect relative date and time fields. AddDay AddMonth AddYear DateFromDateTime DayOfMonth DayOfWeek Hour HourOfDay IsAMPM MilliSecondOfSecond MinuteOFHour Month SecondOfMinute WeekDayDate Year To keep the calculation behavior the same as it was prior to this release, select the Date Field Processing Options > General Processing check box on the System Info page of the TRIRIGA Administrator Console. (Tri-55812)
Gantt	A TRIRIGA Gantt dependency issue has been resolved when using STRICT or MINIMAL mode and tasks have different calendars. (Tri-49765-IJ00612)
Gantt	An empty date field in the Gantt now renders as a blank field. Prior to this change, empty date fields rendered as 12/31/1969 00:00:00. If 12/31/1969 is desired, use a time other than 12/31/1969 00:00:00, for example, 12/31/1969 08:00:00. (Tri-49061)
Gantt	In the Schedules tab of a capital project, printing a Gantt chart now prints the chart instead of a blank page when using the Chrome browser. (Tri-50438-IJ02624)

Area of Change	Description
Gantt	The TreeGrid version was updated to 13.03.01. This affects the project scheduler in capital projects records, the time availability chart in location reservations, and the availability tab in the UX Perceptive Room Reservation app. (Tri-55166)
Gantt	When a task is created by a service request, the planned start seconds value and the seconds in planned end date value are now set to zero. (Tri-58933-IJ16659)
Globalization	A permission error message is now displayed to a user in the language in the user's My Profile record. (Tri-56938-IJ13169)
Globalization	A user with appropriate access to the Globalization Manager is not signed out when the user sets language code values. (Tri-60487)
Globalization	In a query section, when a column contains a locator field with a list field as the source, the translated value now displays to a non-US English-language user. (Tri-50485-IJ05484)
Globalization	Multi-byte characters in the title of an asynchronous BIRT report now display correctly to non-US English-language users. (Tri-53309-IJ09145)
Globalization	Platform Maintenance Scheduler now cleans record data from language (L_) tables as well as from base (T_) tables. (Tri-55626-IJ11131)
Globalization	When a non-US English-language user runs an asynchronous BIRT report, the information about the report in the notification that the user receives is now in the user's language. (Tri-54384-IJ10152)
Globalization	When a non-US English-language user triggers a notification that contains notes fields, the notes fields in the notification are now in that user's language. (Tri-56409-IJ12559)
Graphics	Resolved a Metric Chart Report issue where stack charts that used a Secondary GroupBy would show an invalid small stack and an invalid tool tip for data that had no value. (Tri-55696-IJ11289)
Heartbeat Event	Heartbeat clear cache events should no longer cause an exception in an environment where ENFORCE_GUI_LEVEL_QUERY_SECURITY=Y. (Tri-57567-IJ14137)
Incoming Mail	Email attachments that are of type .eml are now handled more efficiently. (Tri-55772)
Incoming Mail	When an email is sent to TRIRIGA that contains content taken from a web page that contains text created with TinyMCE, the email content now renders properly in the Notes field of the TRIRIGA email message. (Tri-47794)
Installation	In order to prevent data corruption, validation logic was added to the installer to verify that the build of the TRIRIGA platform and database are compatible and to lock the system during startup if they are not. (Tri-60849)
Installation	Oracle can now use more than 32 GB of space when a new TRIRIGA database is created through the installer. (Tri-54512)

Area of Change	Description
Installation	The option to install IBM JDK 8 was added to the TRIRIGA installer. (Tri-59687)
Installation	The TRIRIGA code signing certificate is renewed. The installer and jar organization now show as WIPRO LTD. (Tri-61868)
Installation	The TRIRIGA installer now compares the installer's build number with the existing build number when installing on an existing database. If the installer's build number is less than the existing build number, the install stops and a message is displayed to the user. (Tri-60015)
Integration	The Servlet Proxy process now handles HttpPut and HttpDelete requests that previously resulted in an Error 405 for these request types. (Tri-58130-IJ15763)
Integration Object	During the validate data map process of an Integration Object upgrade, the server.log no longer indicates existing fields cannot be found. (Tri-54588)
Integration Object	Resolved a misspelling in an Integration Object error message for HttpPost request failures. The word 'response' was incorrectly spelled 'repsonse'. (Tri-58643)
Integration Object	Resolved Numeric Overflow in TRIRIGA that is an Integration Object issue with the File To DC scheme, where numeric overflow errors were occurring when Integration Object processing was handling very large Data Connect Job Control Numbers. (Tri-55419-IJ10841)
Integration Object	The HTTP Post scheme in Integration Object now supports SSL TLS 1.2 requests. When you select the "Enable TLS 1.2?" check box, the HTTP request supports TLS 1.2. (Tri-55798-IJ10947)
Job Scheduler	Resolved a Job Scheduler issue where incorrect recurrence dates were being created if the time zone of the TRIRIGA AppServer and the time zone of TRIRIGA user doing the scheduling were several hours apart. For example, the issue would occur if the TRIRIGA AppServer was in the UTC time zone, and the TRIRIGA user was in the PST time zone. (Tri-51203-IJ06383)
Licensing	License table now supports the Work Planner UX application. triTaskAllocation->triTaskResourceAllocation is now a licensed object. (Tri-57255)
Mobile - Work Task Management	When navigating through work task details on iOS Safari, the previous view of the page is no longer displayed on the bottom of the current page. (Tri-56140)
Object Labels	Resolved an Object Label Manager issue where some objects having the Root Object label could not be relabeled to a different label. (Tri-56031-IJ11729)
Object Migration	An object migration comparison now finds workflow differences when the workflow name contains a slash. (Tri-57899-IJ15483)
Object Migration	Importing an object migration package that contains a UX application no longer changes the label of a navigation item that points to the UX application. (Tri-51481-IJ04571)
Object Migration	Large object migration packages that contain UX component objects and that were created by clicking 'Copy Package' no longer take an extremely long time to open and export. Now, after doing a 'Copy Package' of an object migration

Area of Change	Description
	package containing UX components, only the application and web component objects for the UX components appear, but the package is, in fact, complete. When the copied package is exported, all other dependent UX component objects, such as models, data sources, and data source fields, are added automatically to the object migration export package. (Tri-54577)
Object Migration	The object migration tool now ensures the user has license access to any tool being accessed while within OM. This includes, but is not limited to, the Data Modeler, Form Builder, and Workflow Builder. (Tri-54824-IJ09321)
Object Migration	The 'Show Print Preview Tab Flag' label is now changed to 'Show Reports' in order to clarify the difference being reported. (Tri-55750)
Offline	Offline forms are now processed correctly when an email is sent through the Outlook desktop client and the email includes other document extensions along with Excel. The workflow was modified to add a filter to only look only for Excel files attached to the email. (Tri-54936-IJ11200)
Offline	When an offline form with validation on more than five rows of data is populated, the offline form is now populated without error. (Tri-53202-IJ07875)
OSLC	OSLC has been updated to handle GET image requests by searching in the database, which is where user images are now stored. (Tri-55415)
Performance	After records are added to a hierarchy, such as documents/folders, geographies, or organizations, a heartbeat event is now sent to all servers in the environment letting them know of the event, so they can cache the newly added records. Improvements have been made to the hierarchy rebuild event so that users are not locked/blocked while the tree is refreshed. (Tri-55620-IJ16034)
Performance Analyzer	Application security SQL now appears in debug SQL logging and in performance SQL logging. (Tri-59630)
Performance Analyzer	The new Current Active Users on Server section of the Performance Analyzer in the TRIRIGA application shows the number of users that are active on the server. You can use the refresh button to check if the value has changed. (Tri-48360)
Performance Logging	Performance logging for extended formulas no longer causes calculations with in-memory records to have unexpected results or to write com.tririga.platform.smartobject.util.formula.FormulaEvaluationException warnings in the log file. With this fix, the calculations work as expected with or without performance logging on. (Tri-54670-IJ09613)
Portals	A constraint that restricted the portal to 1500px was removed, and the portal can now be maximized to the full screen. You can now use all of your monitor's real estate. For example, 4k monitors can now use all the screen real estate. (Tri-61046)
Portals	An issue that would cause portal sections to not resize dynamically after selecting a related report has been resolved. (Tri-59438-IJ17179)
Portals	If you select to open a portal section in a new window, the portal section now renders full height. (Tri-53746)

Area of Change	Description
Portals	The action buttons on portal sections are now clearly visible. (Tri-57508-IJ14579)
Portals	The Action Items portal section now displays the correct number of items for the user. (Tri-56346-IJ12583; Tri-59656-IJ17986)
Portals	The page title is no longer updated when you view a hierarchy report in a portal section or when you expand the report. (Tri-57774-IJ15059)
Portals	Users of Safari on Macintosh or Firefox on Windows 10 no longer see an Adobe Flash warning when the user clicks My Reports. (Tri-32511)
Powershell Scripts in TRIRIGA Exchange Resource Admin	When you generate Windows PowerShell scripts from the TRIRIGA Exchange Resource Admin form, the resulting PowerShell script to create a room resource now explicitly sets AutomateProcessing to AutoUpdate. This enables TRIRIGA to accept or decline meeting requests for the managed room. (Tri-60992)
Query and Reporting	A portal section that displays a hierarchy report now has a horizontal slider so you can see the data that is not initially displayed in the portal section. (Tri-54115)
Query and Reporting	An issue that could cause metric tabular report exports to fail or have escape code character sequences in their file names has been resolved. (Tri-62181)
Query and Reporting	BIRT reports in the Reports tab of records now render with a larger height, making each report easier to read and work with when viewing records through the main TRIRIGA window, as bookmarked pages, or as pop-up views. (Tri-55371-IJ09777)
Query and Reporting	For non-US English-language users, reports in the Report Manager are now sorted alphabetically on the Title column. (Tri-48894)
Query and Reporting	If an extra white space is appended to a report header, it does not cause an error when the report is exported to an Excel file. (Tri-56469-IJ12587)
Query and Reporting	If the Prompt Before Query option is selected in a report or a query, when the report or query runs, the "Please type in the appropriate filter values and press the "Enter" key or click on "Apply Filters" to perform a query." text in the result now renders according to the window size. (Tri-56518-IJ12499)
Query and Reporting	Improved the load time for the Report Manager landing pages (My Reports, Community, System Reports, Administration). When the forms in a Form Builder landing page have several revisions, improved the load time for the Form Builder landing page. The Object Label column on the Form Builder landing page now displays the In Progress object label for new but not yet published forms. (Tri-56439-IJ13137)
Query and Reporting	In a query section, you no longer need to scroll the list of results to the top of the section to select from the drop-down list of Related Reports. (Tri-53649-IJ07695)
Query and Reporting	In the Filters tab, sorting the Columns list now preserves the fields that were selected as User and System filters. (Tri-57178)

Area of Change	Description
Query and Reporting	Internet Explorer users will be automatically directed to the classic report renderer. The enhanced report renderer does not support Internet Explorer 11. (Tri-57192)
Query and Reporting	Multi-BO metric queries where the resulting record does not have a parent will no longer error out. (Tri-53496)
Query and Reporting	On a page that has a collapsed query section, if you expand the query section, the expected content now appears regardless of whether the query section is collapsed by default or expanded by default. (Tri-57274-IJ13987)
Query and Reporting	Optimized some association queries when working with records in their forms, Association tab, and some workflow Retrieve Records tasks. (Tri-59374-IJ17547)
Query and Reporting	Queries that have a Group By clause, have data, and appear in portal sections and form query sections can now be exported. (Tri-55832-IJ11780)
Query and Reporting	Query rendering enhancements resolved issues where, depending on the window size, data would be partially hidden by either the vertical or horizontal scroll bars. (Tri-61291-IJ20069)
Query and Reporting	Reserve and Reserve Legacy reports that have no data no longer contain data when exported to Excel spreadsheets. (Tri-53254)
Query and Reporting	Resolved a Report Manager issue introduced in 3.6.0 fixpacks where users were not able to select columns from Smart Sections under both the Columns and Filters tab for Report and Query types. Although Report Manger allows the for selection and deselections of columns from Smart Sections under both the Columns and Filters tab for Report and Query types, for Live Link Smart Section types TRIRIGA recommends using the Add Business Object functionality under the General tab when adding Smart Section fields to reports. (Tri-60543)
Query and Reporting	Resolved an issue where the Add To Bookmark button was incorrectly showing in form query sections whenever a selection was made from the Related Reports dropdown. The Add To Bookmark button is now always hidden in form query sections. (Tri-58056-IJ14922)
Query and Reporting	SQL that run in a batch will now sort with DELETE done first followed by UPDATE and then INSERT SQL. Previously the SQL was not sorted in any order. (Tri-56492)
Query and Reporting	Sub tabs now clearly display on the Manage Task Performance Metrics scorecards when viewing at 100%. (Tri-57307-IJ13901; Tri-57585-IJ14561)
Query and Reporting	The Add and Delete system actions now appear properly to a non admin user for queries that either have multiple forms selected or where the All Forms option is used. The Form action will only appear for admin users. The functionality can be accessed through the Report tab on the record. (Tri-57334-IJ16983)
Query and Reporting	The column "!", which is the attention flag, now shows in Excel exports of reports in the Report Manager. This column is used by application developers as a flag to indicate that a record has an error message on it. It is set any time an error message is received and identifies issues without having to display a lengthy error message. (Tri-57376-IJ13894)

Area of Change	Description
Query and Reporting	The Excel spreadsheet that is created after you export a TRIRIGA report now honors the display mask for currency. (Tri-57988-IJ17242)
Query and Reporting	The Excel spreadsheet that is created after you export a TRIRIGA report no longer has the word "null" in cells where the field value was empty in the TRIRIGA report. Each value in the Excel spreadsheet no longer has a blank space at the end of the value. Depending on data composition and the Excel client you are using, the data in a column may not wrap as expected. (Tri-56312-IJ12416)
Query and Reporting	The Excel spreadsheets attached to emails generated by the Report Scheduler now contain appropriate data instead of error messages. (Tri-58752-IJ16240)
Query and Reporting	To promote a more efficient way of exporting reports with uom values to Excel, a new Server Cache has been added for UOM Types. The database will no longer be queried multiple times for the same values. (Tri-59139-IJ16992)
Query and Reporting	When a Related Reports drop-down list causes a query section to expand vertically, you can now select any of the related reports links. (Tri-58749-IJ15796)
Query and Reporting	When a user runs a report and closes a child record, query filters and results are not lost. (Tri-55661-IJ12193)
Query and Reporting	When date and dateTime fields are exported to Excel, the correct date string value representations now are in the exported Excel file. Specifically, (1) In a metric tabular report, when dateTime field values that are part of an associated business object in a multi-business object metric tabular report are exported to Excel, the values in the spreadsheet are from the report instead of the user's current dateTime. (2) The date values for Created DateTime (Number) and Modified DateTime (Number) System Read Only SubType fields are now formatted correctly in the exported Excel file. (3) The Created DateTime and Modified DateTime System Read Only SubType fields now show the correct date string value representation in the exported Excel file. (Tri-55644-IJ11127)
Query and Reporting	When running a query on a navigation item or inside a portal section using Chrome or Internet Explorer, the horizontal scroll bar is now visible. (Tri-56545-IJ12498)
Query and Reporting	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-59454-IJ16786)
Query and Reporting	When you run a query that uses the Group By option, extra empty lines no longer display. Before, there was one extra line for each field in the group by selection. For example, if four fields were selected to group by in the report, four extra empty lines were displayed. Now, only one empty line shows. The purpose of the empty line is to separate the groups in the query. (Tri-56598-IJ12650)
Query and Reporting	When you run a summary report and click one of the records to drill down into the detail report, a pop-up message with a null message no longer displays. (Tri-59143-IJ17076)

Area of Change	Description
Query and Reporting	Where the enhanced query grid is used, query actions on the header and footer will default with the blue link style. The exception to this is with Navigation Item landing pages, where query actions will still appear in the same button style as previous releases. Additionally, when a system Add button is clicked on queries where the enhanced query grid is used and the query design has multiple forms tied to it, the menu of forms to choose from will not be a non-draggable drop-down list. On queries where the enhanced query grid is not used, and on navigation landing pages, the form selection list will continue to be a draggable menu. (Tri-55139)
Query and Reporting	Where the enhanced query grid is used, the download to Excel button will display as download icon and appear inline with the Refresh icon, Clear Filter, and Apply Filter buttons. Also, where the enhanced query grid is used for queries that are designed with related reports, the related reports drop-down will appear inline with the Refresh and Download icons, Clear Filter, and Apply Filter buttons. Additionally, the related report drop-down will always show the report title. If the grid width becomes too small, then the related reports drop-down will appear above the Refresh and Download icons, Clear Filter, and Apply Filter buttons. Additionally, where the enhanced query grid is used, and the query displays the report name and execution time, the report name and execution time will appear inline with the Refresh and Download icons, Clear Filter, and Apply Filter buttons. If the grid width becomes too small, then the report name and execution time will appear above the Refresh and Download icons, Clear Filter, and Apply Filter buttons. (Tri-59876)
Real Estate Lease	Resolved an issue where a duplicate payment was created when a lease had a scheduled payment due on the end date of the lease. (Tri-54780)
Real Estate Transactions	When selecting value from a list field while creating a Real Estate project, the page is no longer unresponsive. (Tri-60072)
Record Runtime	A client-side timing issue that could result in the CANCEL_WIZARD_WORKFLOW not being fired when closing the browser window has been resolved. (Tri-59064-IJ16664)
Record Runtime	After an application upgrade, the page that displays when you click the About link now shows the new application version. (Tri-55347-IJ10160)
Record Runtime	An error is no longer generated when you navigate to the Request Central portal section, select Facilities > Electrical & Lighting, and then either select Electrical & Lighting in the breadcrumbs or cancel the form and select Electrical & Lighting again. (Tri-56310-IJ12417)
Record Runtime	If, instead of using the date picker, you manually type a date field and then use the cursor or tab to move to the next field, the cursor is focused on the desired field. (Tri-58354-IJ15577)
Record Runtime	In Chrome, a message popup window now closes after the user clicks OK. (Tri-54394-IJ08654; Tri-60444-IJ18383)

Area of Change	Description
Record Runtime	Locator fields displayed in an editable query can now be assigned data when autocomplete causes the query section to expand vertically. (Tri-56003-IJ13058)
Record Runtime	Resolved a problem where a Note field on a form was reset to a stale value after a Locator Query action was performed. (Tri-58684-IJ15819)
Record Runtime	Resolved a Smart Section issue with the "Find" action on non-pass through reference, single row reference sections, where incorrect associations were being made when changing an existing value in the section. Additionally, incorrect data was being displayed when opening the section record via the link in the section. With this fix, reporting improvements were also made to ensure only the single active row will return in the query results for reports designed with columns/fields from non-live link, single row smart sections. (Tri-57974-IJ15294)
Record Runtime	Resolved an issue with Form system lists where non admin users could not see the data. (Tri-58714-IJ15698)
Record Runtime	Users no longer have to clear browser cache after a platform upgrade. (Tri-49629-IJ09202)
Record Runtime	When a Button Field Action is processed on a form, it will no longer prevent text field validations on the form. (Tri-55589-IJ10659)
Reserve	The TRIRIGA code signing certificate was renewed. The installer MSI and JAR publisher organization will now display as "WIPRO LTD". (Tri-61871)
Reserve Add-In	The Reserve Outlook add-in's "TRIRIGA Reserve" tab no longer has display issues that occurred on high-DPI monitors when running Microsoft Office 365 Outlook v1808 or later on Windows 10. (Tri-60550-IJ19895)
Reserve Outlook Add-in	The Reserve Outlook add-in's "TRIRIGA Reserve" tab no longer displays a blank screen with the Outlook User Interface option set to "Optimize for best appearance" when running Microsoft Office 365 Outlook v1808 or later on Windows 10. (Tri-59339-IJ17816)
Reserve Outlook Add-in	The Reserve Outlook add-in's "TRIRIGA Reserve" tab now has support for Microsoft Outlook 2019. (Tri-57387)
Security	A permission warning is now written to the security.log when a user that does not have access to an Administrator Console object attempts to access the object. (Tri-56984)
Security	A privilege escalation vulnerability was resolved. (Tri-53429-IJ07935)

Area of Change	Description
Security	CVE-ID: CVE-2018-2008 Description: Information Disclosure Vulnerability CVSS Base Score: 4.3 CVSS Temporal Score: See https://exchange.xforce.ibmcloud.com/vulnerabilities/155146 for the current score CVSS Environmental Score*: Undefined CVSS Vector: (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N) (Tri-57197)
Security	CVEID: CVE-2019-4207 DESCRIPTION: IBM TRIRIGA Application Platform may disclose sensitive information only available to a local user that could be used in further attacks against the system. CVSS Base Score: 4 CVSS Temporal Score: See https://exchange.xforce.ibmcloud.com/vulnerabilities/159128 for the current score CVSS Environmental Score*: Undefined CVSS Vector: (CVSS:3.0/AV:L/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N) (Tri-55647-IJ11093)
Security	CVEID: CVE-2019-4208 DESCRIPTION: IBM TRIRIGA is vulnerable to an XML External Entity Injection (XXE) attack when processing XML data. A remote attacker could exploit this vulnerability to expose sensitive information or consume memory resources. CVSS Base Score: 7.1 CVSS Temporal Score: See https://exchange.xforce.ibmcloud.com/vulnerabilities/159129 for the current score CVSS Environmental Score*: Undefined CVSS Vector: (CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:N/A:L) (Tri-56956-IJ14053)
Security	Denial of Service Vulnerability CVE-ID: CVE-2018-15756 CVSS Base Score: 7.5 CVSS Temporal Score: https://exchange.xforce.ibmcloud.com/vulnerabilities/151641 for more information CVSS Vector: (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H) (Tri-57407)
Security	Entitled users can now access State Family Manager without requiring full Admin Console access. (Tri-61987)
Security	Implemented XML security improvements. (Tri-61963)

Area of Change	Description
Security	In response to a reported vulnerability, Apache CXF is updated to version 3.1.16. (Tri-54472)
Security	jQuery libraries are upgraded to version 3.4.1. (Tri-59719)
Security	Non-admin users with appropriate module and business object access defined in security groups can now access the Association tab of records. (Tri-55598-IJ12902)
Security	Resolved an information disclosure vulnerability. (Tri-54388)
Security	The DB2 JDBC driver that is delivered with TRIRIGA was updated to the latest available version, 11.1.3 FP3. (Tri-54716)
Security	The Field Services Named licenses for on premise (LICENSE_IBM_TRIRIGA_Field_Services_Named.properties) and SaaS (LICENSE_IBM_TRIRIGA_Facilities_and_Real_Estate_Management_on_Cloud_Field_Services_Named.properties) were updated. If you have the 'Named' Field Services license, you must contact IBM to obtain the corresponding new 'Authorized' Field Services license. The LICENSE_IBM_TRIRIGA_Field_Services_Authorized.properties file is available on Passport Advantage. After you upgrade to 3.6.1, the 'Named' license no longer works. After you upgrade and apply the new Field Services license, users with the 'Named' license automatically have the 'Authorized' license and the license usage reports will reflect the Authorized Field Services license accurately. (Tri-54567)
Security	The following license BIRT reports are now part of the IBM TRIRIGA Application Platform. Do not edit these reports. If you do edit them, they are reloaded on the next application server startup. . Daily License Usage Report for Selected Month (triLicense - BIRT - Daily License Usage Report for Selected Month) . Daily User Load Report for Selected Month (triLicense - BIRT - Daily User Load Report for Selected Month) . Hourly License Usage Report for Selected Day (triLicense - BIRT - Hourly License Usage Report for Selected Day) . Hourly User Load Report for Selected Day (triLicense - BIRT - Hourly User Load Report for Selected Day) . Monthly License Usage Report for Selected Year (triLicense - BIRT - Monthly License Usage Report for Selected Year) . Monthly User Load Report for Selected Year (triLicense - BIRT - Monthly User Load Report for Selected Year) (Tri-57034)
Security	The security log was incorrectly including a warning for successful logins; this has been changed to an information message. (Tri-58984)
Security	Users with IBM TRIRIGA Field Services Authorized, IBM TRIRIGA Field Services Concurrent, and IBM TRIRIGA Facilities and Real Estate Management On Cloud Enterprise Concurrent licenses should not have access to the Reserve application functionality and those privileges were removed. (Tri-61425)

Area of Change	Description
Security	When SSO is enabled, users logged into TRIRIGA that have access to the Admin Console are no longer required to reauthenticate when switching to the Admin Console. (Tri-56088-IJ12222)
Security	You can now delete multiple pages of users from the Security Manager as expected. (Tri-61610)
Single Sign-on	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-56067-IJ11420)
Space	The triSpaceManagement UX model is now license controlled. Access to the Space Assessments for the Enterprise/Core licenses versus the Field Services licenses that allow a user to access the Space Assessments assigned to them. Field Services license users shouldn't be able to create assessments for other users or finish processing completed assessments that others have done. (Tri-61477)
Style Manager	Style Sheets now import properly through Style Manager when you use Internet Explorer 11. (Tri-54238-IJ08904)
System Report	Fixed a problem on Chrome browser that prevented a message popup window from closing after the user clicked OK. (Tri-56481)
System Setup	Resolved an issue for date fields who have the default value set to current date. When creating new records, the date would sometimes appear a day off in situations where the server timezone and the timezone for the TRIRIGA user creating the record were far apart. The fix ensures the default date will always display the date for the TRIRIGA user creating the record. To keep the date field default value behavior the same as it was prior to this release, select the Date Field Processing Options > Default Value Processing check box on the System Info page of the TRIRIGA Administrator Console. (Tri-56041-IJ11254)
Upgrade	Resolved an issue when upgrading from platform 3.4.2 where a SQL precision error was occurring due to a modify command triggering on the INSTANCE_ID column of the CRYSTAL_REQUEST_QUEUE table, which tried to make the column size smaller. The error only occurred if the INSTANCE_ID column contained data prior to upgrade. (Tri-54251-IJ08774)
Upgrade	When upgrading older Platform databases to 3.6.1, possible issues with the T_TRIAPPLICATIONVERSION1 database table being missing are been resolved. (Tri-55566)
UX Framework	After a restart or after clearing security cache, UX applications no longer have intermittent login issues where users see a message that the application does not exist. (Tri-54409)
UX Framework	Data changes now propagate as expected to triblock-table-row-detail. (Tri-59629)

Area of Change	Description
UX Framework	In the Polymer 3 version of the triblock-table component, the reverse-sort property now works as expected. (Tri-59522)
UX Framework	In the triblock-toast component, the icon, toast title, and text message are now aligned at the center of the container by default. (Tri-57947)
UX Framework	The Component Link Fix action was removed from the UX development page, since it is no longer needed. The WebViewSync.jar was removed as well. You can download the WebViewSync.jar file from the UX Framework wiki at https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%20TRIRIGA1/page/UX%20App%20Designer%20Tools. (Tri-49903)
UX Framework	The triplat-auth-check component has a new property named model-name that you can use to check the permission for the specified model. It has two methods: getModelPermission checks the permission for a specified model and getActionPermission checks the permission for a specified action. (Tri-54493)
UX Framework	The UX Framework documentation page (/p/web/doc) now displays the Polymer 3 components. (Tri-56079)
Work Tasks	Date calculations in Work Tasks will now take into consideration holidays as defined on the calendar. (Tri-58543-IJ15636)
Workflow	A change has been made to limit the number of workflow instances saved to 1000 per day, with a hidden but configurable override. The threshold will be reset after 24 hours of first hitting the threshold. Workflow instance recording is to be used for DEBUG purposes only. It is not designed to be used to in production, during data loads, or for auditing. It severely slows down the system and greatly increases stress on the database. (Tri-59072)
Workflow	Fixed an issue with OM and Workflow builder which could result in a workflow where Create/Modify/Schedule Tasks could have the same map as another task in the workflow. (Tri-58673)
Workflow	Resolved a Workflow publish issue, where if a publish was triggered on the same Workflow multiple times with quick actions, more than one revision of the Workflow would potentially have the Published status. One scenario where this would happen was where Publish was clicked from the Workflow itself and very quickly after Publish was clicked on the Workflow revision list for the same Workflow. (Tri-56245)
Workflow	Saving the Workflow Instance recording no longer prints a warning in TRIRIGA Admin Console. (Tri-61079-IJ21623)
Workflow	Users without workflow builder access can now view the Workflow Instance tab on a record. (Tri-54421-IJ08580)
Workflow Runtime	A workflow runtime issue involving the Modify Metadata task no longer causes duplicate key errors on the GUI_INSTANCE table when multiple server threads access the Modify Metadata task process and try to handle the same data. (Tri-57102)

Area of Change	Description
Workplace Reservation Manager	The UX Perceptive Reservation app no longer has issues with releasing all blocked rooms (due to the hold time) when the user cancels the reservation before submitting it. (Tri-59671-IJ17551)
Workplace Reservation Manager	The UX Perceptive Reservation app, when accessed from Workplace Services via iPhone, now allows access to the Done button from the calendar date/time selection pop up. (Tri-56335-IJ12653)

IBM TRIRIGA Application Platform 3.6.1 Properties Files

The following changes to the TRIRIGAWEB.properties file are in this release. For more information, go to the IBM TRIRIGA Application Platform 3 Knowledge Center and select *Installing IBM TRIRIGA Application Platform>Configuring the platform>Properties files*.

Area of Change	Description
Agents	The Platform Maintenance agent now removes records pending deletion in batches. The TRIRIGAWEB.property named CLEANUP_AGENT_RECORD_BATCH_SIZE property controls the size of a batch, and the default value is 10000 records. Do not set this value too large. Doing so could cause the database's redo and undo logs to fill up, which would trigger a rollback that is too large for it to handle. With a reduced batch size, the potential rollback is reduced, and records can be processed in a timely fashion. In addition, the cleanup agent timeout now can be interrupted more easily, so you can ensure that the process does not continue into your company's periods of heavy TRIRIGA utilization. (Tri-53574)
Agents	The Platform Maintenance Agent removes records marked for deletion in batches. The new TRIRIGAWEB.property CLEANUP_AGENT_RECORD_BATCH_SIZE controls the maximum number of records in a batch to be deleted at one time. For example, if there are 35000 records to clean, and this setting is at 10000, there will be 4 batches of around 10000 each. If there are 1000 records to clean, at a batch size of 10000, there will be 1 batch. The default value is 10000. A new TRIRIGAWEB.property was added, CLEANUP_AGENT_ADD_MISSING_ASSOCIATIONS_FOR_SMART_SECTIONS. When set to the default (true), the legacy behavior runs, and the cleanup agent performs a very time- and resource-consuming statement to add back removed associations for smart sections. This is typically caused by a workflow removing an association used in a smart section without clearing/delinking the record used in the smart section. Changing the value to false is only recommended if you are sure there are no de-association tasks that would remove associations from smart sections. (Tri-54469-IJ10978)

Area of Change	Description
TRIRIGAWEB.properties	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-57149-IJ14192)
TRIRIGAWEB.properties	In the TRIRIGAWEB.properties file, the property WF_AGENT_SLEEPTIME is now spelled correctly. (Tri-57519)
TRIRIGAWEB.properties	Some default properties in the TRIRIGAWEB.properties file were updated to conform with the best practices for TRIRIGA performance. The following are now the default settings delivered for new installs. **Note:** As with any installation, every property can be updated to suit your implementation. These are starting points and have been tuned for the general case to deliver the best performance for general test cases. WF_INSTANCE_SAVE = ERRORS_ONLY USE_WF_BINARY_LOAD = Y WF_HISTORY_RETENTION_DAYS = 5 DC_HISTORY_RETENTION_DAYS = 5 REPORT_MEMORY_USAGE_LIMIT = 50 BIRT_MEMORY_USAGE_LIMIT = 35 (70 for BIRT only server) TREE_PAGING_SIZE = 1000 SESSION_HISTORY_TRACKING = WEB_USER ALLOW_REVERSE_ASSOCIATION = FALSE REPORT_CASE_SENSITIVE = NATIVE_DB_CASE_SORT CadIntegratorMaxThreads = 5 DataImportAgentMaxThreads = 6 SchedulerAgentMaxThreads = 3 WFAgentMaxThreads = 80 WF_AGENT_MAX_ACTIVE_PER_USER = 70 ReportQueueAgentMaxThreads = 2 WF_AGENT_WAITTIME = 100 WF_MAX_BATCH_ENTRIES=200000 CLEANUP_AGENT_RECORD_BATCH_SIZE = 50000 CLEAN_HOUR=0 CLEAN_TIMEOUT=240 ENABLE_CONCURRENT_AVAILABILITY=true CONCURRENT_AVAILABILITY_POOL_SIZE=200 CONCURRENT_AVAILABILITY_REQUEST_BATCH_SIZE=10 EXPORT_EXCEL_BATCH_PROCESS_SIZE=75000 (Tri-61592)

Area of Change	Description
TRIRIGAWEB.properties	The TRIRIGAWEB.properties file now includes the new MAINPAGE_LOGO_ALT_ATTRIBUTE_VALUE property. The property defines what a screen reader says when the user views the logo on the main page. The default value is IBM TRIRIGA. (Tri-57584-IJ14560)

IBM TRIRIGA CAD Integrator/Publisher 12.6.1

This release includes important information, known limitations, changes, and property file changes to IBM TRIRIGA CAD Integrator/Publisher.

Important Information

The following important information concerning IBM TRIRIGA CAD Integrator/Publisher is added for this release. For important information related to previous releases, see the Release Notes page of the IBM TRIRIGA wiki.

Area of Change	Description
Graphics Sections	Refer to the following article that describes the usage of triLabelLayer and triFillLayer in graphics sections. The article explains why some layers are not visible in a graphics section.
	https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%20TRIRIGA1/page/triLabelLayer%20and%20triFillLayer%20in%20Graphics%20Sections. (Tri-59071-IJ16402)

Known Limitations

There are no new known limitations concerning IBM TRIRIGA CAD Integrator/Publisher added for this release. For known limitations related to previous releases, see the Release Notes page of the IBM TRIRIGA wiki.

IBM TRIRIGA CAD Integrator/Publisher 12.6.1 Changes

There are no additional changes concerning IBM TRIRIGA CAD Integrator/Publisher added for this release.

IBM TRIRIGA CAD Integrator/Publisher 12.6.1 Properties Files

The `ci.properties` file did not change in this release.

IBM TRIRIGA Connector for BIM 3.6.0

This release includes important information, known limitations, changes, and property file changes to IBM TRIRIGA Connector for BIM.

Important Information

There is no new important information concerning IBM TRIRIGA Connector for BIM is added for this release. For important information related to previous releases, see the [Release Notes](#) page of the IBM TRIRIGA wiki.

Known Limitations

The following are known limitations concerning IBM TRIRIGA Connector for BIM that are found in this release. For known limitations related to previous releases, see the [Release Notes](#) page of the IBM TRIRIGA wiki.

Area of Impact	Description
Poly-lines	When a room or area has one or more holes in the middle, the graphics section does not function properly. The outer room boundary and each hole are poly-lines. The TRIRIGA space is bound to the first poly-line encountered, which may be one of the holes. In addition, when the space is displayed in the graphics section, the holes may not be excluded from the room.

IBM TRIRIGA Connector for BIM 3.6.0 Changes

The following changes to IBM TRIRIGA Connector for BIM are in this release:

Area of Impact	Description
Error Messages	An error message no longer displays when returning to the TRIRIGA Ribbon tab after closing other dependent tools, such as the Families or Assets tools. (Tri-60141)
Error Messages	Resolved an issue where the process that monitors the TRIRIGA publish operation could silently fail. (Tri-57123)
Floorplans	When a floorplan is uploaded, associated floors are now correctly included. (Tri-58397)
Globalization	Workflow user messages are now correctly translated. (Tri-58365)
Project Settings	In Project Settings, using the Remove button to remove parameters from the name rule no longer may cause the tool to crash. (Tri-59505)
Space Area	When syncing Revit Rooms to TRIRIGA Spaces, if no Revit Area is mapped with the Room, the area value of the Space was not being updated. This is resolved and the area value of the Space will now update even if no Revit Area is mapped with the Room. (Tri-61227-IJ19619)

Area of Impact	Description
Space Use Class Tool	In the Space Use Class tool, filters for Room, Space, and Area now work correctly. (Tri-60608)
Workflows	Closing the BIM Connector or logging out of TRIRIGA while a publish operation is in progress no longer leaves the operation incomplete in the model. Now, the process continues when you log in again. (Tri-58364)

Related Documentation

You will find the documentation for this release in the IBM TRIRIGA 10 Knowledge Center at http://www.ibm.com/support/knowledgecenter/SSFCZ3_10.6.1/com.ibm.tri.doc/product_landing.html and in the IBM TRIRIGA Application Platform 3 Knowledge Center at http://www.ibm.com/support/knowledgecenter/SSHEB3_3.6.1/com.ibm.tap.doc/product_landing.html. The documentation can be found in online IBM Knowledge Center topics, or in PDF files, or both.

Additional documentation is available in the IBM TRIRIGA wiki.

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.

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