

Teamcenter 8.3.3 README

Teamcenter 8.3.3

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INTRODUCTION

This kit is a patch installation kit containing all changes since the Teamcenter V8.3.x release. All Problem Report (PR) corrections are indicated in the **readme.xls** file provided with this kit.

Prior to installing this patch kit, you must perform the following:

- Fully install the base release Teamcenter 8.3.
- Back up all files.
- Shut down all Teamcenter processes.

Supported platform information is available on GTAC by searching the Certification Database in the Online Library: <http://support.industrysoftware.automation.siemens.com/certification/teamcenter.shtml>.

This patch includes several features.

- For instructions on installing 8.3.3 features, see the [Installation](#) section.
 - For a description of all features available with this patch, see the [What's New](#) section.
-

DEPRECATED FEATURE ANNOUNCEMENTS

As Siemens PLM Software enhances Teamcenter, some features are deprecated or obsolete. Deprecation identifies items that will be removed in a future version of Teamcenter.

The following features are deprecated in 8.3.3 and will not be certified or supported in a future version of Teamcenter.

Audit Manager file storage mode

File storage mode in Audit Manager is deprecated and will be removed in Teamcenter 11. Siemens PLM Software recommends that new deployments using Audit Manager persist audit history in the database only. File storage mode will continue to be available in Teamcenter 10.

Audit Manager file storage mode is the logging enabled when the **TC_audit_manager** preference is set to **ON** and an audit definition is set to select **File** as the **Storage Type**.

For more information about storage types, see the *Audit Manager Guide*.

Legacy workflow, user administration, and CICO (checkin or checkout) audit files are deprecated

Legacy workflow, user administration, and checkout audit files are deprecated and will be removed in Teamcenter 11. Siemens PLM Software recommends new customers migrate to Audit Manager using audit definitions that specify **Database** as the **Storage Type**.

Legacy audit file storage mode is the logging enabled when the **TC_audit_manager** preference is set to **OFF**.

If the **TC_audit_manager** preference is set to **OFF**, several Teamcenter features append entries to legacy audit files in a Teamcenter volume:

- Checkin or checkout (CICO)
- Workflow
- User administration
- Others

The strategic Teamcenter direction for event auditing is the comprehensive and configurable Audit Manager. The audit files identified in our documentation as *legacy audit files* are inconsistent with that strategy are not being enhanced and are less efficient in performance and resource consumption. Each will be removed in a future Teamcenter version.

Siemens PLM Software recommends that customers configure Audit Manager to record these events during this transition period.

For more information about storage types, see the *Audit Manager Guide*.

INSTALLATION

A new installer is available for Windows platforms. See the *Tc8.3.0_patch_x_install_win.zip* file.

For information about installing this and other Teamcenter patches, see the Teamcenter server installation guides in the Publications kit for the base release (Teamcenter 8.3).

Complete patch installation instructions and release notes are also available on the GTAC Documentation Web site.

Installing features using Teamcenter Environment Manager (TEM):

Several enhancements are included with 8.3.3. Most enhancements are included in the general 8.3.3 installation. The Authorized Data Access enhancements is an optional feature that you can install from TEM:

To install this feature from TEM:

1. Perform the 8.3.3 update.
2. When the update is complete, restart TEM.
3. In the **Maintenance** panel, choose **Configuration Manager** and click **Next**.
4. In the **Configuration Maintenance** panel, choose **Perform maintenance on an existing configuration** and click **Next**.
5. Choose the configuration containing the **Teamcenter Foundation** element and click **Next**.
6. In the **Feature Maintenance** panel, choose **Enable new 8.3.3 capabilities** and click **Next**.
7. The **Enable New Capabilities** panel displays the capabilities to be added and a check box. Click **Next**.
8. In the **Teamcenter Administrative User** panel, provide the password and click **Next**.
9. In the **Confirm selections** panel, click **Next**. TEM begins execution of the feature installation script.
10. The **Install Features** panel appears as the script runs. When the script completes, the **Install Features: Successful** message appears.

Updating the Business Modeler IDE client

The 8.3.3 release introduces several Business Modeler IDE (BMIDE) enhancements. You must update your BMIDE client with the 8.3.3 installation and deploy the changes to your corporate server to use the new functionality.

Variable	Description
<i>base_version</i>	Tc8.3
<i>patch_version</i>	Tc8.3.x
<i>patch_kit</i>	Temporary location of the extracted Teamcenter <i>patch_version</i> platform zip file (for example, Tc8.3.1_wnti.zip)
<i>base_version_kit</i>	Location where the <i>base_version</i> kit resides
<i>platform</i>	Specific platform as it pertains to the Teamcenter <i>patch_version</i> kit (for example, sol and wnti)
<i>updated_feature</i>	Foundation
<i>customer_template</i>	Customer specific custom template created with a dependency on a Teamcenter feature template

SECTION 1: Install the patch

To apply any Teamcenter *patch_version* patch, follow the *Installing Teamcenter patches* instructions provided in the appropriate Teamcenter server installation guide.

SECTION 2: Update the Business Modeler IDE client installation

Note: *TC_ROOT* is the root directory where you installed any Teamcenter *patch_version* patch in SECTION 1.

1. Copy the **feature_foundation.xml** from the *base_version_kit/install/modules* or *TC_ROOT/install/install/modules* location to the *patch_kit/platform/tc* folder.
 - a) Launch TEM in maintenance mode.
 - b) Select the configuration where the Business Modeler IDE client is installed.
 - c) Select **Add/Update template for working within the Business Modeler IDE client**.
 - d) TEM displays all templates currently used in Business Modeler IDE client.
 - e) Browse to the *patch_kit/platform/tc* folder and select the feature file for the updated template (for example, **feature_foundation.xml**).
 - f) Confirm your selections and let TEM perform the updates.
 - g) After TEM completes successfully, validate that the latest templates are now available in *TC_ROOT/bmide/templates*.
2. If you have a custom template project created in the Business Modeler IDE client:
 - a. Launch the Business Modeler IDE client.
 - b. Open the custom project.
 - c. Ensure that the custom project loads successfully with no errors in the Business Modeler IDE console view.
 - d. Analyze and fix any errors before proceeding to SECTION 3 to perform the database update.
 - e. If you made any additional changes to the custom template to fix the loading errors, package your custom template.

For more information, see *Package extensions into a solution template* in the *Business Modeler IDE Guide*.

SECTION 3: Update foundation_template in the Teamcenter corporate server database

1. Locate the **foundation_template.zip** file in the latest Teamcenter *patch_version* patch kit under the *patch_kit/platform/tc* directory.
2. (Optional if step a of SECTION 2 already completed) Copy the **feature_foundation.xml** from the *base_version_kit/install/modules* or *TC_ROOT/install/install/modules* location to the *patch_kit/platform/tc* folder.
3. Open the Teamcenter *base_version* Help and go to **Configuring Teamcenter→Business Modeler IDE Guide**.
4. In the *Business Modeler IDE Guide*, go to *Using the Business Modeler IDE for codeless configuration→Working with templates→Update the database using TEM*.
5. Follow the instructions in *Update the database using TEM* to update the foundation with the following important alterations:
 - Skip step 1 of *Update the database using TEM* if there were no changes to your custom template as a part of SECTION 2, step 2.

- In step 9 of *Update the database using TEM* where TEM provides you the **Browse** button, select the **feature_foundation.xml** that you placed in *patch_kit/platform/tc* in SECTION 2, step 1 or SECTION 3, step 2, and **feature_custom_template.xml** if there were changes to your custom template as part of SECTION 2, step 2.

Note: If you do not have access to the *Business Modeler IDE Guide*:

1. Launch TEM in maintenance mode.
 2. Select the configuration where foundation is installed.
 3. Select **Update database (Full Model - System downtime required)**.
 4. TEM displays all templates installed in your database.
 5. Browse to the folder *patch_kit/platform/tc* and select the feature file for updated template (for example, **feature_foundation.xml**).
 6. Confirm your selections and TEM will update the database.
-

WHAT'S NEW



The following articles describe new features available at 8.3.3.

New Authorized Data Access roles and privileges

To provide the ability to classify International Traffic in Arms Regulations (ITAR) and IP information without granting all of the privileges of **ITAR_ADMIN** and **IP_ADMIN** (see the table below), Teamcenter has introduced the following new roles:

- **ITAR Classifier**
- **IP Classifier**

And, the following privileges:

- **ITAR_Classifier** 
- **IP_Classifier** 

Using the new functionality, administrators can define Access Manager rules to grant users access to:

- Set the government classification attribute on a workspace object through the **ITAR_Classifier** privilege granted to the **ITAR Classifier** role.
- Set the IP classification attribute on a workspace object through the **IP_Classifier** privilege granted to the **IP Classifier** role.

Therefore, administrators can allow users to set ITAR or IP classification data on objects without opening up the additional privileges of **ITAR_ADMIN** or **IP_ADMIN**.

The following table provides information at a high level (there are minor exceptions for attaching or detaching licenses) about the actions that can be performed by users with **ITAR_ADMIN**, **IP_ADMIN**, **ITAR_Classifier**, and **IP_Classifier** privileges:

Action	ITAR_ADMIN	IP_ADMIN	ITAR_Classifier	IP_Classifier
Create ITAR, IP, or exclude license	Yes, if site preference ADA_license_administration_privilege is set to ITAR_ADMIN	Yes, if site preference ADA_license_administration_privilege is set to IP_ADMIN	No	No
Modify ITAR, IP, or exclude license	Yes, if site preference ADA_license_administration_privilege is set to ITAR_ADMIN	Yes, if site preference ADA_license_administration_privilege is set to IP_ADMIN	No	No
Delete ITAR, IP, or exclude license	Yes, if site preference ADA_license_administration_privilege is set to ITAR_ADMIN	Yes, if site preference ADA_license_administration_privilege is set to IP_ADMIN	No	No
Attach ITAR license to a workspace object	Yes	No	No	No
Attach IP or exclude license of workspace object	No	Yes	No	No
Detach ITAR license from workspace object	No	Yes	No	No
Detach IP or exclude license	No	Yes	No	No

Action	ITAR_ADMIN	IP_ADMIN	ITAR_Classifier	IP_Classifier
from workspace object				
Set or modify government classification on workspace object	Yes	No	Yes	No
Set or modify IP classification on workspace object	No	Yes	No	Yes
Set or modify IP clearance for a user	No	Yes	No	No
Set or modify the following values for a user: <ul style="list-style-type: none"> Government clearance TTC Date Nationality Geography 	Yes	No	No	No

Authorized Data Access propagation enhancements

The Teamcenter Authorized Data Access (ADA) framework is enhanced to allow the propagation of custom attributes from source workspace objects to related objects. The ADA framework also allows for the propagation of security data and propagation-enabled custom properties from primary datasets associated with an item or item revision to the related secondary datasets.

The ADA framework adds two new constants in the Business Modeler IDE to configure the propagation:

- **Fnd0SecurityPropagationEnabled** (property constant)

Used to determine if the value of a property can be propagated from the source workspace object to its related business objects. The default value is **false**. Sub-business objects can overwrite the value of the constant to control the propagation of changes from the sub-business objects to their related objects.

Propagation paths of enabled security-related properties from the source object to the related objects is configurable. You can define the propagation rules for these relation paths in the **Project** option. The **Fnd0SecurityPropagationEnabled** constant defines whether the rules apply for the property.

By default, security properties, such as **Project List**, **License List**, **Government Classification**, and **IP Classification**, are defined at **WorkspaceObject** business object, and the property constant for these properties is set to **true**.

- If the value for any of these properties is set or modified on an item object, the values are propagated to the item revisions and any associated datasets, based on the propagation rules defined in the **Project** option.

- If the property constant for the **Government Classification** property is set to **false** at the item business object, the changes to the value of this property are not propagated to the item revision and its associated datasets.
- **Fnd0PropagateToSecondaryDatasets** (global constant)
Allows for the propagation of security data (**Project List**, **License List**, **Government Classification**, and **IP Classification**) and propagation-enabled custom properties from primary datasets to related secondary datasets by setting its value to **true**. The secondary datasets must be related to the primary dataset through one of the relations specified in the **Project** option. The default value of the constant is **false**. For example, if the constant value is set to **true**, it allows for the license attached to a dataset (related to an item or item revision) to be propagated to its supporting markup datasets.

You must update your BMIDE client with the 8.3.3 installation and deploy the changes to your corporate server to use the new functionality. For more information, see [Updating the Business Modeler IDE client](#).

Making product-scoped cacheless searches

At some customer sites, a significant proportion of the product structure data in the databases is no longer in use, for example, it belongs to programs that are complete and no longer active. If you index this data for spatial searches, it has an adverse impact on the speed at which indexes are created and also on search performance. This enhancement allows you to limit spatial and attribute searches to active programs, which may correspond to end items, top-level items or top-level product items. By default, all data is unsearchable and you must run the **qsearch_process_queue** utility on the chosen product structures to mark all items and occurrences that are part of those structures as indexable. The **create_or_update_bounding_box_and_tso** utility is modified to allow processing only of bounding boxes attached to indexable product structures and their components.

Once an active structure is indexed, you can make incremental updates to its spatial search index, rather than generating a complete new index each time. Incremental index updates are restricted to product structures previously identified as active. To do this, the administrator runs the **qsearch_process_queue** utility with the **-process_queue** option.

To install product-scoped cacheless search indexing, an administrative user runs the following command:

```
qsearch_process_queue --enable_product_scoping
```

Teamcenter sets the appropriate configuration parameters and installs the necessary database tables.

If necessary, an administrative user can remove product-scoped cacheless search indexing by running the following command:

```
qsearch_process_queue --disable_product_scoping
```

Teamcenter removes the additional database tables and resets the configuration parameters to restore nonproduct-scoped indexing.

Detailed documentation for the modified **qsearch_process_queue** and **create_or_update_bounding_box_and_tso** utilities follows.

qsearch_process_queue

This utility updates, queries, and manages the spatial search indexes used by the cacheless search mechanism. You can use it to:

- Create, update, or query indexes that contain spatial occupancy information from bounding boxes, at all levels of a structure. The bounding boxes may be transformed if appropriate. This allows spatial filtering at every level of the structure.
- Create, modify, or query the state of the update queue process that updates these indexes. This is an asynchronous task that is run in the background.
- Check for consistency between the generated search index and the original bounding boxes.
- Mark an entire structure as indexable or not indexable.
- Force the creation of an index for an entire structure even if the index appears to be up-to-date.

SYNTAX

```
qsearch_process_queue [-u=user-id -p=password | -pf=password-file -g=group]
{[-list_queue | -list_all_queue]} [-show_queue_oldest_date]
[-process_queue] [-process_queue_repeatedly [-delay=N] [-repeat=M | until_empty]]
[-clear_queue] [-force_queue_update objects]
[-force_queue_substructure_update objects]
[-force_queue_all_leaf_item_updates] [-force_queue_all_possible_updates]
[-force_queue_all_necessary_updates] [-force_queue_all_inconsistent_updates]
[-tolerance=Percentage] [-ask_global_search_box_delta] [-list_volumes objects]
[-list_index_boxes objects] [-list_structure_index_boxes objects]
[-list_all_index_boxes]
[-clear_indexes objects]
[-clear_structure_indexes objects] [-clear_all_indexes]
[-clear_queue_processed] [-clear_all_queue]
[-check_indexes objects]
[-check_structure_indexes objects]
[-list_suggested_updates=filename]
[-force_queue_suggested_updates]
[-follow_only_check_failures]
[-find_cycles]
[-count_occurrencesobjects]
[-count_substructureobjects]
[-task=task-list] [-verbose] [-print_names]
[-enable_product_scoping] [-disable_product_scoping [-drop_tables]]
[-make_indexable products] [-make_non_indexable products]
[-check_indexable products | objects]
[-force_queue_substructure_immediate_update objects]
[-force_queue_product_substructure_update products]
[-h]
```

Note

For Teamcenter 8.3.3, the **enable_product_scoping**, **disable_product_scoping**, **make_indexable**, **make_non_indexable**, **check_indexable**, **check_non_indexable**, **force_queue_substructure_immediate_update**, and **force_queue_product_substructure_update** arguments are added. Other arguments are unchanged from the previous version and are listed here for completeness.

ARGUMENTS

-u

Specifies the user ID.

This is generally **infodba** or another user with administration privileges. If this argument is used without a value, the operating system user name is used.

Note

If Security Services single sign-on (SSO) is enabled for your server, the **-u** and **-p** arguments are authenticated externally through SSO rather than being authenticated against the Teamcenter database. If you do not supply these arguments, the utility attempts to join an existing SSO session. If no session is found, you are prompted to enter a user ID and password.

-p

Specifies the password.

If used without a value, the system assumes a null value. This argument is mutually exclusive with the **-pf** argument.

If this argument is not used, the system assumes the *user-id* value to be the password.

-pf

Specifies the password file. The file must be a single-line ASCII file containing the password in clear text. Teamcenter Environment Manager prompts you for a password and creates the password file during installation.

If used without a value, the system assumes a null value. This argument is mutually exclusive with the **-p** argument.

If this argument is not used, the system assumes the *user-id* value to be the password.

-g

Specifies the group associated with the user.

If used without a value, the user's default group is assumed.

-list_queue

Lists all unprocessed entries in the queue.

-list_all_queue

Lists all entries in the queue, including processed entries.

-show_queue_oldest_date

Shows the creation date of the oldest unprocessed entry in the queue.

-process_queue

Processes the unprocessed entries in the queue.

-process_queue_repeatedly

Processes the unprocessed entries in the queue repeatedly. Optionally, you can use the **-delay** argument to specify a wait of *N* seconds between process runs (default delay is 5 seconds). You can use the **-repeat** argument to specify a maximum of *M* times for the process to repeat (default is forever). You can also use the **until_empty** option to repeat the process until the queue is empty.

-clear_queue

Clears the unprocessed entries from the queue.

-force_queue_update

Adds an entry to the queue for the specified objects.

-force_queue_substructure_update

Adds an entry to the queue for the leaf items of the assembly beneath the specified objects. This action updates the entire assembly.

-force_queue_all_leaf_item_updates

Adds an entry to the queue for all leaf items. This action updates all assemblies.

-force_queue_all_possible_updates

Adds an entry to the queue for the primary item of each **TC_bounding_box** relation.

-force_queue_all_necessary_updates

Adds an entry to the queue for the primary item of each **TC_bounding_box** relation that lacks an index.

-force_queue_all_inconsistent_updates

Adds an entry to the queue for the primary of each **TC_bounding_box** relation with an apparently inconsistent index. You can optionally use the **-tolerance** argument to specify the percentage inconsistency to ignore, overriding the default value of 10 percent.

-ask_global_search_box_delta

Calculates the current global search box delta.

-list_volumes

For each specified object, lists the total volume occupied by all its contributing bounding boxes and the total volume of all its index boxes.

-list_index_boxes

Lists the index boxes for the specified objects.

-list_structure_index_boxes

Lists the index boxes for all possible configured structures for the given objects.

-list_all_index_boxes

Lists the index boxes for all objects.

-clear_indexes

Removes the indexes from the specified objects.

-clear_structure_indexes

Removes the indexes for all possible configured structures from the specified objects.

-clear_all_indexes

Removes the indexes from all objects.

-clear_queue_processed

Clears the processed entries from the queue.

-clear_all_queue

Clears all entries from the queue, that is, both processed and unprocessed entries.

-check_indexes

Checks the indexes for the specified objects.

-check_structure_indexes

Checks the indexes for all possible configured structures for the specified objects. You can also specify any or all of the following arguments.

- If you specify **-list_suggested_updates**, the utility lists the objects that should be updated to fix any incorrect indexes detected for the structure. The list is written to the specified file or **stdout** if no file is specified. The file is written in a format suitable for use with the **qsearch_process_queue -force_queue_update -uid=@filename** argument.
- If you specify **-force_queue_suggested_updates**, the utility adds entries to the queue to fix any incorrect indexes detected for the structure.
- If you specify **-follow_only_check_failures**, the utility assumes that if the indexes of the specified object are correct, the indexes for the entire substructure are also correct.

-find_cycles

Finds all cyclical structures.

-count_occurrences

Counts all occurrences in all structures of all items. Optionally, you can count only all occurrences of specified objects.

-count_substructure

Counts the substructure of all root items. Optionally, you can count only the substructure of specified objects.

-task

Specifies a task list of multiple arguments. Omit the leading dashes and separate entries with commas. For example:

```
-task=list_queue,process_queue
```

-verbose

Runs the utility in verbose mode to display the maximum amount of information. Typically, nonverbose utility sessions only display error messages.

-print_names

Prints item IDs and names as well as UIDs.

-enable_product_scoping

Turns on updates and searches of structures marked as indexable.

-disable_product_scoping

Turns off updates and searches of structures marked as indexable. You can also specify **-drop_tables** to drop the associated database tables.

-make_indexable

Marks the specified product structure or structures as indexable.

-make_non_indexable

Marks the specified product structure or structures as not indexable.

-check_indexable

Checks the specified product structure or structures or the specified object or objects are correctly marked as indexable.

-force_queue_substructure_immediate_update

Adds and processes an update queue entry for the leaf items of the specified product structure or structures. Teamcenter immediately updating the entire assembly.

-force_queue_product_substructure_update

Adds an update queue entry for every item in the specified product structure or structures. Teamcenter updating the entire structure or structures even if some sections appear up-to-date.

objects

One or more of the following:

- **-item_id=***item_id*
Specifies a comma-separated list of item IDs or item ID patterns, which need not be unique.
- **-item_id=***@ file*

Specifies a file containing a comma-separated list of item IDs or item ID patterns, which need not be unique. Each entry in the list should be on a separate line.

- **-uid=uid**

Specifies a comma-separated list of UIDs.

- **-uid=@file**

Specifies a file containing a comma-separated list of UIDs. Each entry in the list must be on a separate line.

products

One or more of the following:

- **-product=item_id**

Specifies a comma-separated list of item IDs or item ID patterns, which need not be unique.

- **-product=@file**

Specifies a file containing a comma-separated list of item IDs or item ID patterns, which need not be unique. Each entry in the list must be on a separate line.

- **-product_uid=uid**

Specifies a comma-separated list of UIDs.

- **-product_uid=@file**

Specifies a file containing a comma-separated list of UIDs. Each entry in the list must be on a separate line.

- **-h**

Displays help for this utility.

ENVIRONMENT

As specified in the *Manually configuring your environment for Teamcenter utilities* topic in the *Utilities Reference*.

FILES

As specified in *Log files produced by Teamcenter* topic in the *Utilities Reference*.

RESTRICTIONS

None.

EXAMPLES

The following example lists all unprocessed entries in the queue:

```
qsearch_process_queue -u=infodba -p=infodba -g=dba -list_queue
```

The following example adds an entry to the queue for each of the objects listed in the **c:\temp\objfile.txt** file:

```
qsearch_process_queue -u=infodba -p=infodba -g=dba -force_queue_update  
-uid=@c:\temp\objfile.txt
```

The following example checks the indexes for all objects that have an item ID prefixed with **123**:

```
qsearch_process_queue -u=infodba -p=infodba -g=dba -check_indexes -item_id=123*
```

The following example lists the unprocessed entries in the queue and then processes them:

```
qsearch_process_queue -u=infodba -p=infodba -g=dba -task=list_queue,process_queue
```

create_or_update_bbox_and_tso

This utility performs the following tasks:

- Creates, updates, or deletes bounding box data for NX (**UGMASTER**) and JT (**DirectModel**) datasets.
- Creates or updates TruShape data (**.tso** files) for JT files.
- Generates reports of:
 - o NX or JT datasets not having a bounding box object.
 - o NX datasets not having a **UGPartBBox** form.
 - o **DirectModel** datasets not having a **.tso** file. Using this report, the utility can generate Dispatcher requests so the translation (generation of the bounding boxes and **.tso** files) occurs on the dedicated Dispatcher machine.

SYNTAX

```
create_or_update_bbox_and_tso [-u=user-id -p=password | -pf=password-file -g=group]  
-mode=usermode -translation_mode=operatingmode [-generate_ets_request]  
[-delete_all_bboxes]  
[-dataset=dataset_uids | -dataset_list=filename]  
[-output_dir=dirname]  
[-scope={ALL | PRODUCT}]  
[-product=item-id-of-product]  
[-h]
```

ARGUMENTS

-u

Specifies the user ID.

This is generally **infodba** or another user with administration privileges. If this argument is used without a value, the operating system user name is used.

Note

If Security Services single sign-on (SSO) is enabled for your server, the **-u** and **-p** arguments are authenticated externally through SSO rather than being authenticated against the Teamcenter database. If you do not supply these arguments, the utility attempts to join an existing SSO session. If no session is found, you are prompted to enter a user ID and password.

-p

Specifies the password.

If used without a value, the system assumes a null value. This argument is mutually exclusive with the **-pf** argument.

If this argument is not used, the system assumes the *user-id* value to be the password.

-pf

Specifies the password file. The file must be a single-line ASCII file containing the password in clear text. Teamcenter Environment Manager prompts you for a password and creates the password file during installation.

If used without a value, the system assumes a null value. This argument is mutually exclusive with the **-p** argument.

If this argument is not used, the system assumes the *user-id* value to be the password.

-g

Specifies the group associated with the user.

If used without a value, the user's default group is assumed.

-mode

Specifies one of the following modes:

- **query**
Generates a report of NX or JT datasets that require updates to bounding boxes, TSO files (JT files only), and missing **UGPartBBox** forms (NX datasets only).
- **process**
Creates or updates bounding boxes, TSO files (for JT datasets only) or both bounding boxes for a set of NX or JT datasets.
- **query+process**
Generates a report of NX or JT datasets that require updates to the bounding boxes or TSO files (JT files only). It then creates or updates the necessary bounding boxes or TSO files (for JT datasets only) for the affected datasets.
- **delete**
Deletes the specified datasets.

-translation_mode

Specifies one of the following translation modes:

- **JTTOBBOX**
Creates or updates the bounding boxes in JT datasets.
- **JTTOTSO**

Creates, updates or overwrites the TSO files in JT datasets.

- **JTTOBBOX+JTTOTSO**

Creates or updates the bounding boxes and TSO files in JT datasets.

- **NXBBOXTOBBOX**

Creates or updates the bounding boxes in NX datasets.

- **processAll**

Use with the **NXBBOXTOBBOX** mode to force creation of bounding boxes for all NX datasets.

- **NXBBOXFORM**

Lists all NX datasets that do not have an associated **UGPART-BBOX** form. You can use this report file with the **ugmanager_refile** utility to generate **UGPART-BBOX** form data.

-generate_ets_request

Specify this argument when you specify **query** mode and are working only with JT datasets. Creates a Dispatcher request in the database for each JT dataset that needs updates to bounding boxes or TSO files. Before you use this argument, ensure the Dispatcher translation service is configured and running.

For more information, see *Getting Started with Dispatcher (Translation Management)*.

-delete_all_bboxes

Deletes all the bounding boxes, multi-bounding boxes, and relations between them from the database. It does not delete TruShape data and you should re-create the TSO files if necessary.

-dataset

Specifies one or more dataset UIDs as a string separated with commas, in the format:

ds1, ds2,, dsn

This argument is valid only if you specify **process** mode.

-dataset_list

Specifies the absolute path to an input file that contains a list of dataset UIDs to process. Each dataset must appear on a new line of this file. This argument is valid only if you specify **process** mode.

-output-dir

Specifies the absolute path to the directory where the report file is generated. If no path is specified, the report is generated in **./output_dir**. This argument is valid only if you specify **query** mode.

-scope

Specifies if queries for missing bounding box or TSO data are restricted to active products. If you do not specify this option, all active and inactive products are queried. This option is valid only if you installed product scoped cacheless search. Specify one of the following options:

- **ALL**

The utility queries all active products for which indexable data is generated.

- **PRODUCT**

The utility queries only the specified product. When you specify this option, the **-product** option is mandatory.

-product

Specifies the item ID of a product to query for and process missing bounding boxes and TSO files. This option is valid only if you specify **-scope=PRODUCT**.

-h

Displays help for this utility.

ENVIRONMENT

As specified in *Manually configuring your environment for Teamcenter utilities* topic in the *Utilities Reference*.

FILES

As specified in *Log files produced by Teamcenter* topic in the *Utilities Reference*.

RESTRICTIONS

None.

EXAMPLES

- Create bounding box and TruShape data for all the JT datasets in the database. You can do this in one of two ways:
 - o Create a report of the datasets that do not have bounding box information in a log file. Process the log file and create the missing bounding box information on the dataset. This method is suitable if you have a large quantity of data to process as you can split the report log file into multiple files, allowing the utility to process fewer datasets in each execution.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group  
-mode=query -translation_mode=JTTOBBOX+JTTOTSO -output_dir=c:\temp
```

```
create_or_update_bbox_and_tso -u=user -p=password -g=group  
-mode=process -translation_mode=JTTOBBOX+JTTOTSO  
-dataset_list=c:\temp\file_generated_by_previous_command
```

- o Query and process the datasets with a single command.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group  
-mode=query+process -translation_mode=JTTOBBOX+JTTOTSO
```

- Create bounding boxes for all NX datasets in the database. You can do this in one of two ways:

- o Create a report of the datasets that do not have bounding box information in a log file. Process the log file and create the missing bounding box information on the dataset. This method is suitable if you have a large quantity of data to process as you can split the report log file into multiple files, allowing the utility to process fewer datasets in each execution.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=query -translation_mode=NXBBOXTOBBOX -output_dir=c:\temp
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=process -translation_mode=NXBBOXTOBBOX
-dataset_list=c:\temp\file-generated-by-previous-command
```

- o Query and process the datasets with a single command:

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=query+process -translation_mode=NXBBOXTOBBOX
```

- Create bounding boxes for all NX datasets for a specified product. You can do this in one of two ways:

- o Create a report of the datasets that do not have bounding box information in a log file. Process the log file and create the missing bounding box information on the dataset. This method is suitable if you have a large quantity of data to process as you can split the report log file can be split into multiple files, allowing the utility to process fewer datasets in each execution.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=query -translation_mode=NXBBOXTOBBOX -output_dir=c:\temp
-scope=PRODUCT -product=item-id-of-product
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=process -translation_mode=NXBBOXTOBBOX
-dataset_list=c:\temp\file-generated-by-previous-command
```

- o Query and process the datasets with a single command.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=query+process -translation_mode=NXBBOXTOBBOX -scope=PRODUCT
-product=item-id-of-product
```

- Create bounding boxes for all NX datasets for all active products. Before doing this, you must populate the indexable tables for all active products. You can do this in one of two ways.

- o Create a report of the datasets that do not have bounding box information as a log file. Process the log file and create the missing bounding box information on the dataset. This method is suitable if you have a large quantity of data to process as you can split the report log file into multiple files, allowing the utility to process fewer datasets in each execution.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=query -translation_mode=NXBBOXTOBBOX -output_dir=c:\temp -
scope=ALL
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=process -translation_mode=NXBBOXTOBBOX
-dataset_list=c:\temp\file-generated-by-previous-command
```

- o Query and process the datasets with a single command.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=query+process -translation_mode=NXBBOXTOBBOX -scope=ALL
```

- Create a report of all NX datasets that do not have an associated **UGPART-BBOX** form in a log file:

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=query -translation_mode=NXBBOXTOBBOX -output_dir=c:\temp\report.txt
```

- Delete all bounding box and TruShape data associated with a specified item revision.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=delete -dataset=uid_of_item_rev1 or absocc1[,uid_of_item_rev2 or
absocc2, ...]
```

- Delete all bounding box and TruShape data associated with the parts specified in an input file.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-mode=delete -dataset_list=path-of-file-containing-a-list-of-uids-of-
item-revisions-or-absolute-occurrences-separated-by-new-lines
```

- Delete all bounding box data in the database.

```
create_or_update_bbox_and_tso -u=user -p=password -g=group
-delete_all_bboxes
```

Managing database indexes

The database administrator must create or delete the following database indexes after installing product-scoped cacheless search indexing to allow the feature to function efficiently.

Step number	Index description	Sample SQL
1	Add a new index on PVARIANTEXPRESSION(POPERATOR,PFORMULA_STATE) .	CREATE INDEX PIPVARIANTEXPRESSIONS_2 ON PVARIANTEXPRESSION(POPERATOR,PFORMULA_STATE) PARALLEL 8
2	Add a new index on the VLA table representing the attribute note text on PSOccurrenceNotes PPNOTE_TEXTS(UPPER(PVAL_0)) . NOTE: The PPNOTE_TEXTS table name may not be the same in all installations. Use the following SQL to find the correct table name: SELECT PDBNAME FROM PPOM_ATTRIBUTE A, PPOM_CLASS C WHERE A.RDEFINING_CLASSU = C.PUID AND UPPER(C.PNAME) = 'PSOCCURRENCENOTES' AND UPPER(A.PNAME) = 'NOTE_TEXTS'	CREATE INDEX PIPIPNOTE_TEXTS_2 ON PPNOTE_TEXTS(UPPER(PVAL_0)) PARALLEL 8
3	Add a new index on PPSOCCURRENCE(RCHILD_ITEMU, ROCC_THREADU) .	CREATE INDEX PIPIPPSOCCURREN_5 ON PPSOCCURRENCE(RCHILD_ITEMU, ROCC_THREADU) PARALLEL 8
4	Add a new index on PPSOCCURRENCE(RALTERNATE_ETC_REFU, ROCC_THREADU) .	CREATE INDEX PIPIPPSOCCURREN_6 ON PPSOCCURRENCE(RALTERNATE_ETC_REFU, ROCC_THREADU) PARALLEL 8
5	Add a new <i>unique</i> index on PITEMREVISION(PUID,RITEMS_TAGU) .	CREATE UNIQUE INDEX PIPIPITEMREVISION_2 ON PITEMREVISION(PUID,RITEMS_TAGU)

Step number	Index description	Sample SQL
		PARALLEL 8
6	Delete existing index on PQSEARCHINDEX(ptype) .	DROP INDEX <i>PIPQSEARCHINDEX_1</i>
7	Add a new <i>unique</i> index on PPOM_APPLICATION_OBJECT(ROWNING_GROUPU, PUID) .	CREATE UNIQUE INDEX <i>POWN_GROUP_PUID_IDX</i> ON INFODBA.PPOM_APPLICATION_OBJECT(ROWNING_GROUP U, PUID) PARALLEL 8
8	Add a new index on PPEXPRESSIONS(PUID) .	CREATE INDEX <i>PIPPEXPRESSIONS_1</i> ON PPEXPRESSIONS(PUID) PARALLEL 8
9	Add a new index on PVARIANTEXPRESSION(POPERATOR, PUID)	CREATE INDEX <i>PIPVARIANTEXPR_3</i> ON PVARIANTEXPRESSION(POPERATOR, PUID) PARALLEL 8

Note

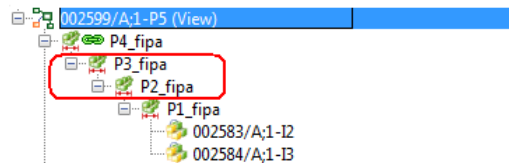
The actual SQL to create indexes (specifically the names of database indexes shown in the *Sample SQL* column in *italic*) may differ if existing index names clash with those shown in the sample SQL. In such cases, change the index names to give them unique names. Determine the name of the index to drop in step 6 by looking in the database for the index corresponding to **PQSEARCHINDEX(ptype)**.

Flat structure for filtered in-process assemblies

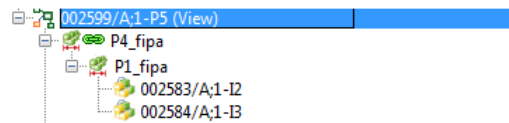
Filtered in-process assemblies (FIPAs) from extremely large structures can themselves become very large, with many levels of nesting. These FIPAs can then be unwieldy to work with causing performance issues when loading this data to the embedded viewer or when sending data to Process Simulate. To alleviate this situation, you can create a filtered in-process assembly that contains just three levels:

- Level 1 contains the FIPA of the station just before the current station.
- Level 2 contains the FIPAs of the stations beneath the immediate child station of the current station.
- Level 3 contains the consumed parts of each FIPA.

The following examples show nested FIPAs and their resulting flat FIPAs.



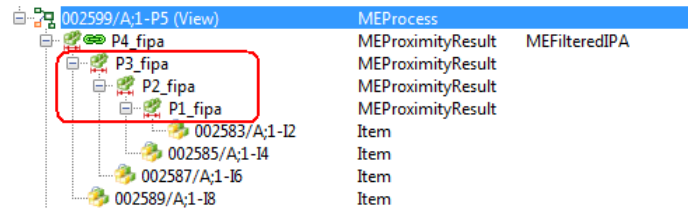
Nested FIPA



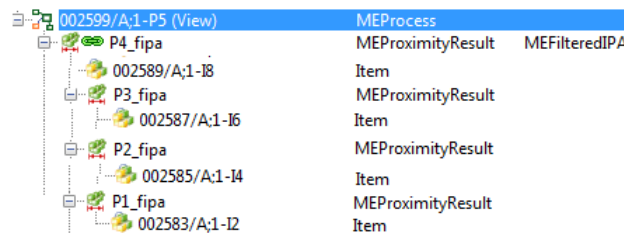
Flat FIPA

Because **P3_fipa** and **P2_fipa** do not consume any parts, they are not displayed in the flat structure.

Any FIPAs that directly consume a part at any level are shown at the same level in the flat FIPA.

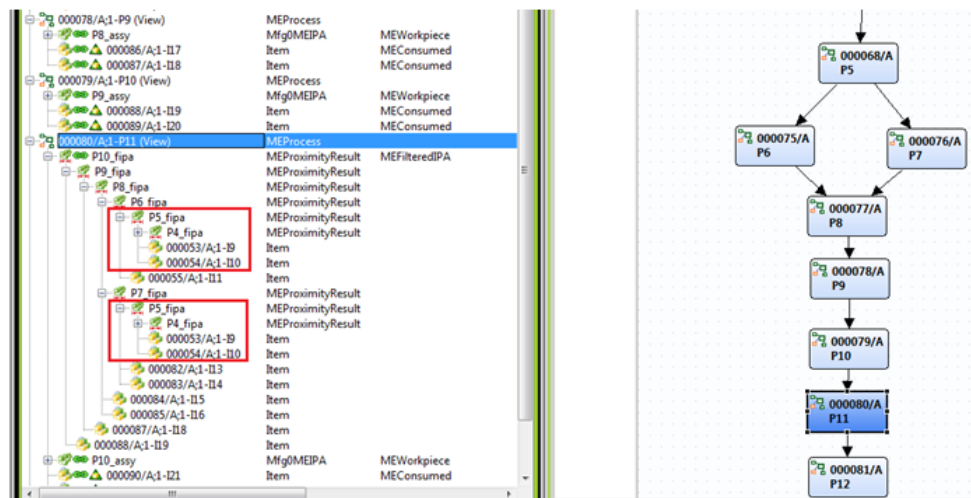


Nested FIPA with consumed parts



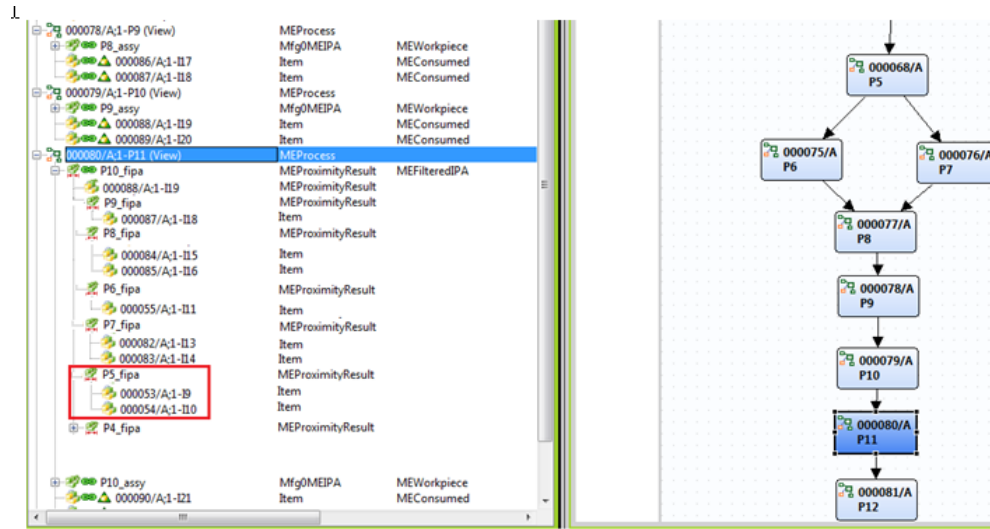
Flat FIPA with consumed parts

If a structure contains parallel stations, a particular FIPA may be contained under multiple FIPAs. Such FIPAs are shown only once in the flat FIPA at the location it is first encountered.



Nested FIPA with parallel stations

P5_fipa is contained within both **P6_fipa** and **P7_fipa**.

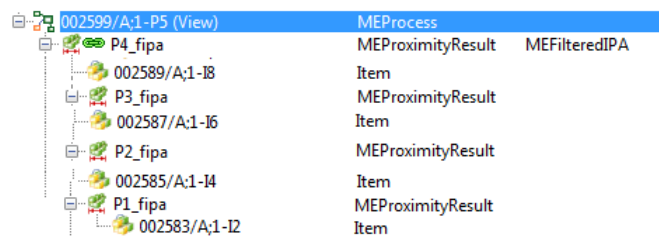


Flat FIPA for P11 with parallel stations

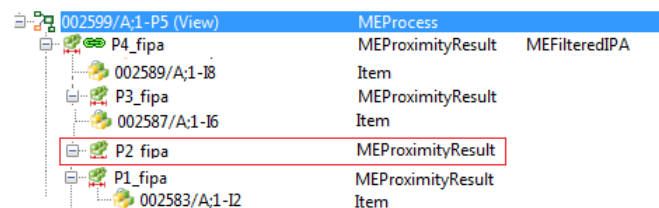
In the figure, you can see that **P5_fipa** is displayed only once in the flat FIPA structure.

You specify whether a FIPA structure is flat or nested in the **MECreateFipaStructure** site preference. Once a FIPA is created, you cannot change its structure type. All FIPAs under a plant BOP have the same structure, either flat or nested.

If a FIPA that previously contained consumed parts, but has them removed, is updated, that FIPA is displayed in the updated FIPA, although it no longer contains consumed parts.



Flat FIPA before update



Flat FIPA after update

Although **P2_fipa** does not contain a directly consumed part, it is still shown in the flat FIPA.

When creating a FIPA, Teamcenter creates a log file that is attached to the process in which the FIPA is created. When updating, the log file is also updated. If no log file is attached at update (for FIPAs created in a version prior to Teamcenter 8.3.3), Teamcenter creates one during update.

Note

If you want to start using flat FIPAs on existing structures that already have nested FIPAs, you must delete all old nested FIPA structures and re-create new flat FIPA structures. In this case, any attached information such as simulation datasets is lost and you must recreate it.

Running a batch update of filtered in-process assemblies

The **ipa_b_executer** utility is enhanced to help you update filtered in-process assemblies as well as in-process assemblies. By modifying the parameter file that the utility uses as input, you can update IPAs and/or FIPAs.

You can add a new line to the parameter file to indicate which FIPAs must be updated. Therefore, there are two types of lines in this file:

- The parameter line for an IPA that starts with **#Item**
- The parameter line for a FIPA that starts with **#Item_FIPA**

Given these two types of lines, three cases can exist:

- If only an **#Item** line is present in the file, Teamcenter updates the IPA only.
- If only an **#Item_FIPA** line is present in the file, Teamcenter updates the FIPA only.
- If both **#Item** and **#Item_FIPA** lines are present in the file, Teamcenter updates both the IPA and the FIPA.

For more information about using this utility, see [ipa_b_executer](#).

ipa_b_executer

Generates or updates in-process assemblies and updates filtered in-process assemblies in a manufacturing process structure. The input for this utility is a parameter file in which you specify whether to update either the IPA, the FIPA, or both simultaneously. You cannot create FIPAs with this utility. You can only create FIPAs from within the Manufacturing Process Planner application.

Note

Depending on the size of the structure, running this utility can be time-consuming.

For more information about in-process assemblies, see the *Manufacturing Process Planner Guide*.

SYNTAX

```
ipa_b_executer -u=user-id {-p=encrypted_password | -pf=password-file} [-g=group  
-f=path_to_parameter_file]  
[-h]
```

ARGUMENTS

-u

Specifies the user ID.

This is generally **infodba** or another user with administration privileges. If this argument is used without a value, the operating system user name is used.

Note

If Security Services single sign-on (SSO) is enabled for your server, the user and password arguments are authenticated externally through SSO rather than being authenticated against the Teamcenter database. If you do not supply these arguments, the utility attempts to join an existing SSO session. If no session is found, you are prompted to enter a user ID and password.

-p

Specifies the user's password. This password must be encrypted

You can obtain an encrypted password by typing:

```
ipa_b_executer -p=plain_text_password -encrypt
```

Teamcenter returns the encrypted password as output.

This argument is mutually exclusive with the **-pf** argument.

-pf

Specifies the password file. The file must be a single-line ASCII file containing the password in clear text. Teamcenter Environment Manager prompts you for a password and creates the password file during installation.

If used without a value, the system assumes a null value. If this argument is not used, the system assumes the *user-id* value to be the password.

This argument is mutually exclusive with the **-p** argument.

-g

Specifies the group associated with the user.

If used without a value, the user's default group is assumed.

-f

Specifies the path to the parameter file (**.txt** file) that is used as input for this utility.

For more information, see [Parameter file syntax](#).

-h

Displays help for this utility.

RESTRICTIONS

None.

PARAMETER FILE SYNTAX

The first entry in each line in the parameter file indicates whether an IPA or FIPA is to be updated. Therefore, there are two types of lines in this file:

- The parameter line for an IPA starts with **#Item**
- The parameter line for a FIPA starts with **#Item_FIPA**

Given these two types of lines, three cases can exist:

- If only an **#Item** line is present in the file, Teamcenter updates the IPA only.
- If only an **#Item_FIPA** line is present in the file, Teamcenter updates the FIPA only.
- If both **#Item** and **#Item_FIPA** lines are present in the file, Teamcenter updates both the IPA and the FIPA.

In the line, each parameter must be separated from its value by the % symbol. If there is more than one value for a parameter, each of these values must be separated by a % symbol.

You can use the following parameters to create or update an IPA:

Item

Specifies the top process ID.

Key

Specifies the top process key in the form of **attr=value,attr2=value2....**

Rev

Specifies the top process revision.

Rule

Specifies the configuration rule.

OG

Specifies the type of IPA occurrence group.

Name

Specifies the name of the IPA.

Occ

Specifies the types of the product occurrences that are included.

Proc

Specifies the types of the processes for which an occurrence group is created.

Use the following parameters to update a filtered IPA:

Item_FIPA

Specifies the process ID of the top process of the BOP structure in which FIPAs are to be updated. This parameter can have only one value.

Rev

Specifies the top process revision. This parameter can have only one value.

Rule

Specifies the revision rule with which the FIPAs are to be updated. This parameter can have only one value.

Parent_FIPA

Specifies the process IDs of the processes for which FIPAs are to be updated. This is mandatory parameter that can have multiple values. In the case of multiple process IDs, the IDs must be separated by a % symbol.

Name

Specifies that only this FIPA in the **Parent_FIPA** process is updated. This is an optional parameter. If no name is specified, then all the FIPAs under the **Parent** process are updated. This parameter can have multiple values.

Prod_ID

Specifies the ID of the top product of the product structure from which items are consumed into the process structure. This parameter can have only one value.

Prod_Rev

Specifies the revision of the top product line. This parameter can have only one value.

Prod_Rule

Specifies the revision rule applied on the product structure. This parameter can have only one value.

The following is a sample line for updating FIPAs:

```
#Item_FIPA%Top_process_id##Rev%current_revision_level##Rule%current_revision_rule
#Parent%process_id_1[process_id_2..
process_id_n]#Name%fipa_name_1[%fipa_name_2..%fipa_name_n]
```

EXAMPLES

These examples reference the following structure.

Process Structure	Item Type	Occurrence Type	Bounding Boxes
000029/A;1-demoNested (View)	MEProcess		
Proc6_fipa	MEProximityResult	MEFilteredIPA	
Proc6_assy	OccurrenceGroup	MEWorkpiece	
Proc5_assy	OccurrenceGroup		
000019/A;1-D6	Item		-0.004762500000000...
000030/A;1-Proc1 (View)	MEProcess		
000014/A;1-D1	Item	MEConsumed	-0.012220138907432...
000031/A;1-Proc2 (View)	MEProcess		
Proc1_fipa	MEProximityResult	MEFilteredIPA	
Proc1_assy	OccurrenceGroup	MEWorkpiece	
000015/A;1-D2	Item	MEConsumed	0.000000000000000, ...
000032/A;1-Proc3 (View)	MEProcess		
Proc2_assy	OccurrenceGroup	MEWorkpiece	
000016/A;1-D3	Item	MEConsumed	0.000000000000000, ...
000033/A;1-Proc4 (View)	MEProcess		
Proc3_assy	OccurrenceGroup	MEWorkpiece	
000017/A;1-D4	Item	MEConsumed	-0.000793750000000...
000034/A;1-Proc5 (View)	MEProcess		
Proc4_fipa	MEProximityResult	MEFilteredIPA	
Proc4_assy	OccurrenceGroup	MEWorkpiece	
000018/A;1-D5	Item	MEConsumed	-0.004165600115060...
000035/A;1-Proc6 (View)	MEProcess		
Proc5_fipa	MEProximityResult	MEFilteredIPA	
Proc5_assy	OccurrenceGroup	MEWorkpiece	
000019/A;1-D6	Item	MEConsumed	-0.004762500000000...

- To update only the IPA:

```
#Item%000029##Rev%A##Rule%Latest Working##OG%OccurrenceGroup#
#Name%IPA -Jun 30, 2011 12:01:21 PM##Occ%MEConsumed#
#Proc%MEProcess#
```

The file does not contain a line for the FIPA.

- To update only the FIPA for process **Proc2**:

```
#Item_FIPA%000029##Rev%A##Rule%Latest Working##Parent_FIPA%000031#
#Name%Proc2_fipa##Prod_ID%000013##Prod_Rev%A##Prod_Rule#
#Latest Working#
```

The file does not contain a line for the IPA.

- To update the FIPAs for multiple processes:

```
#Item_FIPA%000029##Rev%A##Rule%Latest Working#
#Parent_FIPA %000031%000034%000035#
#Name%Proc2_fipa%Proc5_fipa%Proc6_fipa#
#Prod_ID%000013##Prod_Rev%A##Prod_Rule##Latest Working#
```

The file does not contain a line for the IPAs.

- To update the FIPA for the top process:

```
#Item_FIPA%000029##Rev%A##Rule%Latest Working##Parent_FIPA%000029#
#Name%demoNested_fipa##Prod_ID%000013##Prod_Rev%A##Prod_Rule#
#Latest Working#
```

The file does not contain a line for the IPA.

- To update all the FIPAs present in the process structure:

```
#Item_FIPA%000029##Rev%A##Rule%Latest Working##Parent_FIPA%000029#
#Name ##Prod_ID%000013##Prod_Rev%A##Prod_Rule##Latest Working#
```

The file does not contain a line for the IPAs.

Note

If a value for the **#Name#** parameter is not present, then all the FIPAs under the **Parent_FIPA** process are updated. You must always include the **#Name#** parameter even if it has no value.

- To update the IPA and multiple FIPAs in the process structure:

```
#Item%000029##Rev%A##Rule%Latest Working##OG%OccurrenceGroup#  
#Name%IPA -Jun 30, 2011 12:01:21 PM##Occ%MEConsumed##Proc%MEProcess#  
#Item_FIPA%000029##Rev%A##Rule%Latest Working##Parent_FIPA  
%000031%000034%000035#  
#Name%Proc2_fipa%Proc5_fipa%Proc6_fipa##Prod_ID%000013##Prod_Rev%A#  
#Prod_Rule##Latest Working#
```

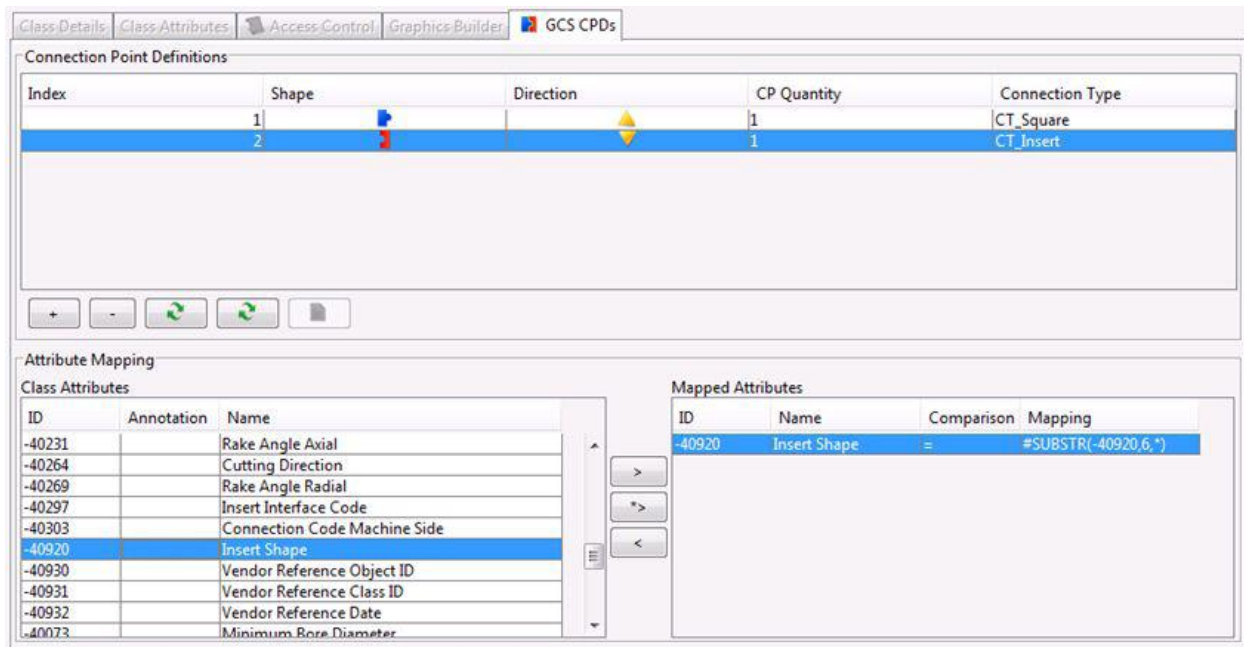
Substring operator for mapping attributes

When mapping attributes during classification object (ICO) mapping or during the guided component search, you can now use a substring operator in the **Mapping** column that specifies only mapping specific characters in a string.

The screenshot shows the 'Attribute Mapping Definition' window. The 'Source Class' is 'New Resources (MRM_NEW)' and the 'Target Class' is 'Square Tool Holder, external {TC_TURN_10_10_100}'. The 'Mapping' column contains the rule: `#SUBSTR(-1210,3,5)`. The 'ID' column contains the value `-1210`. The 'Name' column contains the value `Identifying Order N...`. The 'Annota...' column contains the value `IDNR`. The 'Format' column contains the value `STRING(...)`. The window also includes a table of attributes with columns: ID, Name, Annotation, and Format. The table lists various attributes such as Description, Comments, WSO ID, WSO Name, ICO Object ID, Class ID, Class Name, ICO Creation Date, ICO Modification Date, and Class Unit. The 'Map' button is highlighted.

ID	Name	Annotation	Format
-1200	Description	M1	STRING(80)
-1210	Comments	M2	STRING(80)
-571	WSO ID		
-572	WSO Name		
-599	ICO Object ID		
-600	Class ID		
-607	Class Name		
-616	ICO Creation Date		
-619	ICO Modification Date		
-630	Class Unit		

SUBSTR operator when mapping attributes during ICO mapping



SUBSTR operator when mapping attributes during guided component search

The entry must have the following format:

#SUBSTR(*attribute-ID, first-character-index, last-character-index*)

Teamcenter looks for the specified attribute, and then copies the characters from *first-character-index* to *last-character-index* to the target attribute.

The table demonstrates which characters are mapped to the target attribute from a source attribute with ID **-1102** and a value of **AXR15379**.

This entry	Maps these characters
#SUBSTR (-1102, 1,3)	AXR
#SUBSTR (-1102,4,*)	15379 Note If you use the wildcard symbol as the second index, Teamcenter copies all characters from the first index to the end of the string.
#SUBSTR (-1102,2,4)	XR1

Filter a process structure based on consumed items or child relations

You can now use the **typeAndRuleForProcessConfiguration** preference to configure out processes based on child relationships, in addition to configuring them out based on the consumed relation as was previously possible.

The preference values must have the following format:

parent-item-subtype:**One|All|AllLoaded|OneLoaded**:
{**OCCType**:*occurrence-type*|**CHILD**:*child-type*}

The first two strings that are separated by a colon are existing preference values.

The last two strings must be one of the following pairs:

OCCType:*occurrence-type*

Specifies that the filtering is based on the designated occurrence types. You can enter multiple occurrence types separated by a comma.

CHILD:*child-type*

Specifies that the filtering is based on the designated child relation. You can enter multiple child types separated by a comma.

The following are examples of preference values:

MEOP:One:OCCType:MEConsumed

MEOP:All:OCCType:MEConsumed

MEOP:OneLoaded:OCCType:MEConsumed

MEOP:AllLoaded:OCCType:MEConsumed

MEOP:One:OCCType:MEConsumed

MEOP:All:OCCType:MEAssign

MEOP:One:OCCType:MEConsumed,MEAssign

MEProcess:All:CHILD:MEOP

MEOP:One:OCCType:MEConsumed

MEProcess:One:CHILD:MEOP

MEPROCESS:All:OCCType:MEConsumed

MEOP:One:OCCType:MEConsumed

Teamcenter ignores the value of the **controllingOccsForProcessConfiguration** preference while using the new mechanism.

RELEASE NOTES

The following release notes provide solutions to problems tracked by the indicated problem reports (PRs).

Title **NX bounding box data for cacheless spatial search**

PR Number **6620441**

Release **8.3.3**

Problem

Bounding box information is a necessary input for cacheless spatial search to work correctly. In installations where NX CAD data exists in Teamcenter, it is possible that the **UGPARTBOUNDINGBOXFORM** form is not populated for all NX parts containing 3D geometry. In such instances, the cacheless spatial search system does not find bounding boxes when generating its spatial index. Consequently such geometry is ignored in all cacheless spatial searches.

How to work around or avoid

To ensure parts with 3D geometry have a valid **UGPARTBOUNDINGBOXFORM** form, use the **nx_refile** tool to refile all NX parts missing these forms. For more information about using the **nx_refile** tool, see the NX documentation. After using the tool, generate the spatial index to ensure missing geometry is represented in the cacheless search spatial index.

Title **Display of multi-value properties with comma/space in the values**

PR Number **6360870**

Release **8.3.3**

Problem

If the values in a multi-value property contain a comma followed by a space, they are shown as separate values. For example, the values **Cypress, CA** and **Milford, OH** display as:

Cypress
CA
Milford
OH

How to work around or avoid

Do not use a comma followed by space for values that appear in a multi-valued property. It is safe to use a comma without the space. For example, **Cypress,CA** and **Milford,OH**.

Title **Localized query using LOVs that have no translations does not find object**

PR Number **6360298**

Release 8.3.3

Problem

When performing a search on a property that has an attached LOV, the search returns no results if the LOV has no translation and the search locale is not the master locale.

How to work around or avoid

There are two workarounds:

Workaround 1

If you are not planning to provide translation for the LOV values in all locales, it is best to keep the internal value and display value the same for the LOV; this avoids issues with queries.

Workaround 2

If the LOV value and the display value are different, then Siemens PLM Software recommends you provide translations for all the locales. Ensure the other locales get the same value as the master translation, as shown in the following example.

Locale	LOV Value	LOV Display Name
En	R	Red
Fr	R	Red
De	R	Red
En	B	Blue
Fr	B	Blue
De	B	Blue

Title bom_expand utility

PR Number 6591810

Release 8.3.3

Problem

The **bom_expand** utility has been added to the Teamcenter 8.3.3 release.

How to work around or avoid

bom_expand

Expands the bill of materials (BOM) and generates reports on the specified BOM structure and its expansion statistics.

For example, use this utility to determine the total size and depth of a BOM structure, and the number of lines at each level of the structure.

SYNTAX

bom_expand [-u=*user-id* {-p=*encrypted-password* | -pf=*password-file*} [-g=*group*]
[-item=*item-id* | -key=*item-key*] [-revision_rule=Default | Latest Working] [-rev=]
[-saved_variant_rule=] [-use_packing] [-show_unconfigured]
[-show_unconfigured_variants] {[-props={RAC | *list-of-properties*}] | [props_output=*list-of-properties*] [-level_props] [-variant_config_to_load] [-output=*output-file-name*]
[-bom_report_file=*report-file-name*] [-report_mode=TOP | LEVEL | FULL] [-no_verbose] [-h]

ARGUMENT

-u

Specifies the user ID.

This is generally **infodba** or another user with administration privileges. If this argument is used without a value, the operating system user name is used.

Note

If Security Services single sign-on (SSO) is enabled for your server, the user and password arguments are authenticated externally through SSO rather than being authenticated against the Teamcenter database. If you do not supply these arguments, the utility attempts to join an existing SSO session. If no session is found, you are prompted to enter a user ID and password.

-p

Specifies the user's password.

This argument is mutually exclusive with the **-pf** argument.

-pf

Specifies the password file. The file must be a single-line ASCII file containing the password in clear text. If created through Teamcenter Environment Manager, the wizard prompts you for a password and creates the password file during installation.

If used without a value, the system assumes a null value. If this argument is not used, the system assumes the *user-id* value to be the password.

This argument is mutually exclusive with the **-p** argument.

-g

Specifies the group associated with the user.

If used without a value, the user's default group is assumed.

-item

Specifies the ID of the item for which the associated BOM view revision (BVR) is traversed. BVRs are associated with revisions corresponding to the specified item.

This argument is mutually exclusive with the **-key** argument.

-key

Specifies the key of the item for which the associated BOM view revision (BVR) is traversed. BVRs are associated with revisions corresponding to the specified item.

For example:

-key="item_id=item-1" where *item-1* is an existing item ID.

This argument is mutually exclusive with the **-item** argument.

-rev

Specifies the revision of the item specified by the **-item** argument. The revision must have an associated BVR.

-revision_rule

Specifies the revision rule used to configure the BOM window. Valid values are any revision rule, either shipped or custom. If not specified, the default setting is **Latest Working**.

saved_variant_rule

Specifies the variant rule to be applied on a BOM window to configure the BOM. Valid values are any existing variant rules created on the product structure.

This argument supports Classic Variants only.

-use_packing

Specifies whether packed lines in the BOM window must be packed or unpacked.

-show_unconfigured

Specifies whether unconfigured BOM lines are included for BOM expansion.

-show_unconfigured_variants

Specifies whether unconfigured BOM lines due to variant conditions are considered for BOM expansion.

-props

Specifies the set of properties retrieved from the BOM structure lines. Specify **RAC** to retrieve all properties required by the rich client (RAC). Retrieve specific properties by specifying the names of the properties in a comma-separated list.

This argument is mutually exclusive with the **-props_output** argument.

-props_output

Specifies the list of **bomline** properties separated by comma to be written to the output file.

Use this argument to specify properties of interest you want written to the output file. For example:

-props_output=bl_is_packed, bl_variant_condition

This argument must be used in conjunction with the **-output** argument and is mutually exclusive with the **-props** argument.

-level_props

Specifies whether all properties for a BOM level are fetched simultaneously during expansion. If this argument is not specified, all properties for the entire BOM are retrieved after expansion.

-variant_config_to_load

Enables classic variants to configure the load mode expansion.

Siemens PLM Software recommends using the **bl_formula** property instead of the **bl_variant_condition** property in this mode to retrieve the variant condition value.

-output

Specifies the output file to which the BOM expansion output is stored.

-bom_report_file

Specifies the file name and file type of the BOM report. Siemens PLM Software recommends specifying a **.csv** file type. For example, **report.csv**.

-report_mode

Specifies the mode in which the report is generated. Valid values are:

TOP – Report contains only the top line of the product structure.

LEVEL – Report contains a level-by-level summary of the product structure.

FULL – Report contains a detailed report of the entire product structure.

The default setting is **LEVEL**.

-no_verbose

Prevents detailed output from being written to the command line console.

-h

Displays help for this utility.

RESTRICTIONS

None.

Title **Object ID and Link ID are not recognized by import**

PR Number **6606173**

Release **8.3.3**

Problem

User assigns IDs and links which are not recognized by a flat file import.

How to work around or avoid

This is as designed. A flat file processes only those IDs which MS Word is capable of finding using the Find function (**Ctrl-F**). The use case in the PR was tested, MS Word does not find the specified string.

Siemens PLM Software recommends using the MS Word Find function with a regular expression mentioned in configuration file. If MS Word cannot find the string, then it is an unsupported ID.

Title **Update flat file dataset during revise**

PR Number **6609102**

Release **8.3.3**

Problem

Import a flat file with a few objects, open the dataset from Teamcenter, update the document by adding a few more objects, import again using the Revise option. After the import is complete, check the dataset attached to Rev/A from Teamcenter. The expected result is that the data set should not be updated with newly added objects.

How to work around or avoid

By design, when a dataset is opened by double-clicking it and the file is closed after modification, the rich client always updates the file in the volume. When working with flat file import, never directly open the dataset and update the flat file. Rather, save the flat file locally before making any changes to prevent overwriting the previous file version in the volume after the revision.

Title **Flat file import conflicts with Teamcenter Office client**

PR Number **6602000**

Release **8.3.3**

Problem

To work with flat file import, do not install Teamcenter Office client during TEM installation or it will be disabled on the client machine using steps mentioned in resolution description.

How to work around or avoid

Disable Teamcenter Office client.

Siemens PLM Software recommends you not install the Teamcenter Office client to work with the flat file feature.

If you installed the Teamcenter Office client but do not need it, disable it using the following steps:

1. Edit the following file from the Teamcenter client installed location:
rac\plugins\configuration_8000.3.0\client_specific.properties.
2. Set **useMSOfficeIntegration=false.**
3. Run the **rac\registry\genregxml.bat** file for the installed client.
4. Restart the rich client.

If you need the Teamcenter Office client and also work with the flat file import, perform the following steps:

1. Do not double-click the flat file dataset to open it. Rather, open the flat file dataset using the **File→Open** command in the rich client. Then, make the necessary changes to the flat file and import it.
2. Alternatively, double-click the dataset and save it locally, then re-open the dataset from your local drive to make the necessary changes and import it back to Teamcenter.

Note: Editing from URL to dataset will not work with this solution.

Title Convert custom relation preferences to relation properties in custom templates

PR Number 6532217

Release 8.3.2

Problem

When upgrading to Teamcenter 8.3, the **migrate_relation_preferences** utility migrated the custom relation preferences to relation properties that were stored in the database. However, the template was not updated with the corresponding custom XML elements to capture that change in the custom templates (projects).

How to work around or avoid

Option 1:

Manually add the custom relation project in the custom template project as suggested by the Business Modeler IDE.

Option 2:

Perform the following steps:

1. Run the DMA to generate the **diff.xml** file.
2. Make sure the **diff.xml** file contains only an <add> section, and that the properties are all custom relation properties. (You can manually delete unwanted entries.)
3. Open the custom project in Business Modeler IDE and load the **diff.xml** file to your custom project.
4. Use Teamcenter Environment Manager (TEM) to apply the custom template project. (This ensures that your model and database match, and that your templates in the database are synchronized with your project.)

Title **Status type used in the create-status workflow action handler**

PR Number **1843268**

Release **8.3**

Problem

When upgrading from Teamcenter 8.1 or prior installations you can use status types in the **create-status** handler that are not defined. While you can still use status objects without their status types defined, the user interface may not be able to display status objects with undefined status types.

How to work around or avoid

Using the Business Modeler IDE, you should define the status type supplied as an argument for the **create-status** handler and deploy it to the database. Use the internal name, not the display name, of the status type for the supplied argument.

For more information about defining status types, see the *Business Modeler IDE Guide*.

For more information about deploying the changes to your corporate server, see [Updating the Business Modeler IDE client](#) for instructions.

Title **New preference to set default Autonomy keyword search logic**

PR Number **6551135**

Release **8.3.1**

Problem

In keyword search, by default the logic operator is **OR**. For example, keyword **XXX YYY** searches for files containing **XXX** or **YYY**. Users want the ability to change the default operator to be **AND** to enable a search for files containing both **XXX** and **YYY**.

How to work around or avoid

Use the new **TC_fts_default_AND_operator** preference. By default, this preference is **false**. If set to **true**, the default logic operator is **AND**.

Title **New site preference for ownership change of Validation objects**

PR Number **6400877**

Release **2007.2.1**

Problem

When an NX clone is performed using **ug_clone.exe** by any **dba** user using the **-default_owner** option, ownership of the newly created cloned part and its attachments get changed to the user specified by the **-default_owner** argument. But if the part has a validation master, the ownership is not changed to the intended user but stays with the **dba** user who ran the tool. The same behavior occurs when the clone operation is performed interactively on an item which has a validation master form.

How to work around or avoid

A new site preference, **TC_VALIDATION_unify_itemrev_validation_form_ownership**, has been added. Run the **preferences_manager** utility with **-mode=import -scope=SITE -action=SKIP** arguments to import the new preference into the database.

preferences_manager -u=infodba -p=password -g=dba -mode=import -scope=SITE -action=SKIP

Title **New Teamcenter service operation to refresh preference values**

PR Number **6538213**

Release **8.3.1**

Problem

Currently there is no operation in Teamcenter Services to explicitly refresh the preference values. This causes a stale preference value to be retrieved, especially when the preference gets modified dynamically in a different session.

How to work around or avoid

A new Teamcenter Service operation is introduced to explicitly refresh preference values so they correctly display across sessions.

Library Name:	TcSoaAdministrationStrong.jar
Service Name:	PreferenceManagement
Operation Name:	refreshPreferences
Method Signature:	bool refreshPreferences()
Return Description:	returns true if refresh is successful

In a service oriented architecture (SOA) client, the operation can be invoked as follows:

```
PreferenceManagementService m_prefService =  
PreferenceManagementService.getService( connection );  
  
m_prefService.refreshPreferences();
```

where *connection* is the SOA client connection object for the current session.

Note: If you are using the newly added Teamcenter Service operation in Maintenance Pack releases (for example, Teamcenter 8.3.2.2 and later), you must perform the following:

Part 1: Update **TcSoaAdministrationMap** properties in the *TC_DATA* directory

1. Make a backup of **TcSoaAdministrationMap** properties file in *TC_DATA/soa* directory.
2. Replace it with the new **TcSoaAdministrationMap** properties in **data.zip** file in the kit.

Part 2: Update the SOA client kit

The SOA client kit shipped with a Teamcenter Maintenance Pack (MP) contains only the files that are changed. Extract the contents of the SOA client kit zip file and overlay it on top of the SOA client kit that was extracted from the previous release.

Title Refresh of TextServer files in the TC_USER_MSG_DIR

PR Number 6579151

Release 8.3.2.2

Problem

Outdated files in the directory pointed to by the **TC_USER_MSG_DIR** environment variable can cause serious issues (including upgrade problems).

How to work around or avoid

Local copies of the Teamcenter TextServer files are kept in a separate directory, which is referenced by the **TC_USER_MSG_DIR** environment variable.

For any release, before the system is upgraded, refresh (merge) the local copies of the files in the directory pointed to by the **TC_USER_MSG_DIR** environment variable in order to pick up the changes going into the new release.

Title Pre-Tc8 Process Assignment Lists may cause issue

PR Number 6540560

Release 8.3.2.2

Problem

After upgrading to Teamcenter 8.x (without the fix shipped in Teamcenter 8.3.2.2), a pre-existing Process Assignment List can have a quorum value that causes the **demote-on-reject** handler to hang.

How to work around or avoid

In an environment upgraded to Teamcenter 8.x or later, if there are Process Assignment Lists with the default value of **All**, it may not work correctly if assigned to a process containing a **demote-on-reject** handler.

The process might hang and may not proceed further.

The Process Assignment Lists need to be upgraded to update the default quorum value. There are two methods to upgrade the pre-Teamcenter 8 Process Assignment Lists to the desired value.

Option 1

Run the **upgrade_pals** utility using the following command:

```
upgrade_pals -u=user -p=password -g=group
```

Option 2

If you have only a few existing Process Assignment Lists, it can be faster to update these manually. In Teamcenter, change the percent value of the quorum on any Process Assignment Lists from 1% to 100%.

Title Configuration of BOM View Revision types for the EPM-attach-related-objects Workflow action handler

PR Number 6576069

Release 8.3.2.2

Problem

The technical documentation for the **EPM-attach-related-objects** workflow action handler gives an incorrect example of how to attach a **BOMViewRevision** object. The example shows an incorrect value for the **-type** argument.

The following example shows an *incorrect* usage of the **-type** argument:

<u>Argument</u>	<u>Values</u>
-relation	PSBOMViewRevision
-type	BOMView Revision ** INCORRECT **
-att_type	target

The following updated example shows a *correct* usage of the **-type** argument:

<u>Argument</u>	<u>Values</u>
-relation	PSBOMViewRevision
-type	view *** Correct ***
-att_type	target

How to work around or avoid

Correct existing handlers that are configured with the **-type** argument set to **BOMView Revision**, changing the value of **-type** to **view**.

Title **Update the foundation_template in the database after applying the Teamcenter patch**
8.3.2.x

PR Number **6538630**

Release **8.3.2.1**

Problem

You can add a release status object to any item revision as part of a workflow process. Any user can select the item revision, click the **Details** tab in My Teamcenter, and change the name of the release status object from the user interface.

How to work around or avoid

You must update your BMIDE client with the patch installation and deploy the changes to your corporate server to access this functionality.

For more information, see [Updating the Business Modeler IDE client](#).

Title **ODS on SUSE 11 does not start automatically on reboot with the rc.ugs.ods script**

PR Number **6494926, 6556933, and 6468197**

Release **8.3.x**

Problem

ODS on SUSE 11 does not start automatically on reboot using the **rc.ugs.ods** script.

On SUSE 11 Linux, after running the TEM root script, ODS does not start on reboot using the **rc.ugs.ods** script.

Per PR 6468197, you must execute a **kill -15** on the **rpcbind** process ID followed by **rpcbind -i -w** before ODS will start. Add this to the TEM root script so this is done on reboot. Run the **rpcbind** process once for each SUSE 11 boot session, similar to the **kill -1** on the **inetd** process ID.

How to work around or avoid

1. Fix the **/etc/init.d/rpcbind** startup script by adding the following line after the **RPCBIND_BIN=/sbin/rpcbind** line:

OPTIONS=-i -w

2. Restart **rpcbind** issuing the following command as root:

/etc/init.d/rpcbind restart

Note: Do this only once after you modify the **rpcbind** startup script.

By applying this workaround to the **rpcbind** script, on subsequent system boots, **rpcbind** launches in insecure mode that allows ODS to start and function normally. However, by making this change, **rpcbind** always runs in insecure mode.

Title GRDV SPD synchronization fails on send NVE for several programs

PR Number ER1852461

Release 8.3.2.1

Problem

While exporting data to a target remote site, the remote site's variant data model must be checked. The variant data is then exported in the appropriate **Tree/String** format so that it can be imported at the remote site.

If the target site uses Teamcenter 2007.1.8 and Teamcenter 2007.2, it is possible that the site can be either in **Tree** or **String** mode. The **RDVUseNewVariantModel** global constant is only used in these two versions. When the home site is exporting data to the target remote site, it must check the target remote site's variant data model to determine whether it is set at **Tree**- or **String**-based mode when checking the **RDVUseNewVariantModel** global constant.

If all the target remote sites use Teamcenter 8.3, you do not need to check the remote target sites for the constant. The global constant check is redundant in such scenarios.

How to work around or avoid

To avoid the redundant variant model check, use the **SKIP_REMOTE_SITE_VARIANT_MODEL_CHECK** preference, which was introduced to skip the check for the target remote site variant model. Whenever the remote site variant model check fails during execution, the default variant model is assumed to be **Tree** mode. Siemens PLM Software provides this new preference to allow you to change the setting to **String** if required.

Two new preferences are introduced:

- **SKIP_REMOTE_SITE_VARIANT_MODEL_CHECK**

Controls whether the remote site variant model is checked. When set to **true**, the variant model check at the remote site is skipped. If the preference is not available or is set to **false**, the remote site's variant model is checked. The default value is **false**.

- **REMOTE_SITE_DEFAULT_VARIANT_MODEL**

Controls whether the remote site check for variant model should use **Tree** or **String** as default. When the value is set to **String**, the variant model check at the remote site uses **String** as the default variant model if there is failure in determining the remote site's variant model. The default value is **Tree**.

Title **Optimized RDiP variant conditions**

PR Number **6519510**

Release **8.3.2.1**

Problem

The variant conditions created through the Replace Design in Product (RDiP) user interface are optimized by default. The Structure Manager **Create** variant condition is not optimized. These differences can confuse the user.

How to work around or avoid

The code is modified so that RDiP creates unoptimized variant conditions by default that are consistent with the Structure Manager **Create** variant condition. To see the optimized variant conditions on RDiP, set the **RDiP_CREATE_OPTIMIZED_VC** site preference. This preference is unavailable by default. This logical type preference accepts **True** or **False** as values. **True** indicates that optimized variant conditions should be created. **False** indicates that the variant conditions should not be optimized. If the preference is unavailable, variant conditions are not optimized.

Title **RDiP invalid thoughts validated successfully if there are multiple thoughts**

PR Number **6479474**

Release **831_g01.3, 8.3.1, 8.3.2.1**

Problem

Multiple thoughts created through the Replace Design in Product (RDiP) user interface are validated simultaneously by default. This causes the overall thought to pass as successful as each subthought is OR'ed with other thoughts.

How to work around or avoid

The code is modified so that RDiP validates subthoughts individually and when the **RDIP_report_invalid_thoughts** site preference is set to **True**, an error message displays when one of the thoughts is invalid. This preference accepts **True** or **False** as values. **True** indicates that even if a single thought is invalid it will fail the validation. **False** indicates that even if a single thought validates successfully, the entire thought is successful.

Title **Post patch installation instruction for setting up the Business Modeler IDE for the live update feature**

PR Number **6502573**

Release **8.3.2**

Problem

There is a post patch installation procedure required for setting up Business Modeler IDE for the live update feature.

How to work around or avoid

To apply the Teamcenter 8.3.2 patch and launch the Business Modeler IDE:

1. Open the Teamcenter command prompt.
2. Go to the `TC_ROOT\bmide\client` directory.
3. Run the following command:

Windows: **bmide.bat -clean**
UNIX: **bmide.sh -clean**

Note: It takes longer to start the Business Modeler IDE the first time you use this command.

Title **New version of the Business Modeler IDE Guide provided to document the live update feature**

PR Number **N/A**

Release **8.3.2**

Problem

A new PDF file of the *Business Modeler IDE Guide* is provided with Teamcenter 8.3.2. This guide is the same as the *Business Modeler IDE Guide* found in the standard Teamcenter Help Collection, except for two new sections:

- *Getting started*→*Business Modeler IDE process overview*
- *Using the Business Modeler IDE for codeless configuration*→*Working with live updates*

How to work around or avoid

For documentation on live update, see the PDF file of the *Business Modeler IDE Guide* or the *Business Modeler IDE Guide* provided from within the Business Modeler IDE tool.

Title **Getting TeamcenterServerManager_Tc8_1_DB failed to start error during update**

PR Number **1792061**

Release **8.2.x, 8.3.x**

Problem

Note: This problem was first reported in Teamcenter 8.1. This note still applies to all Teamcenter 8.2.x and 8.3.x versions.

While attempting to update a Teamcenter 8.1 environment to Tc8.1.0_patch_4, the following error appears:

```
TeamcenterServerManager_Tc8_1_DB' has failed to start due to: The service
request timed out.: 1053
```

The service is able to start manually.

The 1053 error is hardcoded into Windows.

The Teamcenter Environment Manager (TEM) errs because the service does not start in time.

The problem with the service startup failure appears to be caused because *TC_DATA* was not updated as a part of the update process.

How to work around or avoid

Before launching TEM to perform the update, you must manually update all *TC_DATA* directories.

To perform the update:

1. Create a backup of all current *TC_DATA* directories.
2. Extract **data.zip** from the Teamcenter **8.3.0_patch_mp#_build-ID_platform.zip** patch (if one exists).
3. Unzip **data.zip** to an arbitrary location.
4. Merge the contents of the data directory created in step 3 to *TC_DATA*.

5. Repeat step 4 for each *TC_DATA* directory that requires the update.
6. Restart TEM to complete the patch.

After completing these steps, TEM is able to restart the service and complete the update process.

Note: You must perform step 1. You must also be careful not to perform a file-by-file copy, as the update can contain patches to configurable files. This is the reason that it is important to create a backup of all current *TC_DATA* directories before performing the update to *TC_DATA*. Having a backup makes it easier to replace configurable files if one is overwritten during this manual process.

Title **X11 Issue: Launch of start_portal from RedHAT 5.4 client results in error**

PR Number **6506405**

Release **8.3.x (All)**

Problem

After installing the Teamcenter four-tier client using **tem.sh** in Teamcenter 8.3, a patch is needed to install 8.3.1.1 and test.

Red Hat Enterprise Linux Server release 5.4 (Tikanga)
Kernel 2.6.18-164.el5 on an x86_64

X11 Issue: Launch of start_portal from RedHAT 5.4 client displays error:

```
\nInitializing....
Checking OS...
Checking connection to X display, one moment please...
\nNOTICE:\tUnable to connect to X display.
\n\tIs X Windows running on your local node?
\tDISPLAY environment variable set correctly? (set to: :0.0)
\tDid you do xhost +pni6w1216-rhelvm from your local node before
\trunning ./start_portal?\n\n
```

The error displays even though the display is set correctly and both **xterm** and **tem.sh** launch.

OPS states the following:

The use of the **/usr/X11R6** directory was deprecated in RHEL v5x - The X stuff is incorporated directly into the **/usr** (e.g. **/usr/bin/xclock**) directory.

Most all of the X11 packages are installed:

Therefore, **start_portal** needs to be corrected to direct **\$X11_DIR** to the **/usr/bin** directory instead of the **/usr/bin/X11** directory for RedHAT clients. For SUSE clients, it is not clear what needs to be done.

How to work around or avoid

Create a symbolic link **/usr/bin/x11** that points to **/usr/bin**.

Title LOV display name not shown in Structure Manager column RevName

PR Number 1837214

Release 8.3.2

Problem

An LOV with different **Value** and **Value Display Name** fields is attached to the **object_name** property of a custom item revision. In Structure Manager, when changing the **Rev_Name** column from the **Value** to the **Value Display Name**, Teamcenter displays an error:

Value is invalid for property.

How to work around or avoid

Attach the LOV to the **object_name** property of the item revision (the shipped **ItemRevision** business object).

Title Refreshing the shared memory cache

PR Number 6410657

Release 8.3.1.1

Problem

A procedure is needed for refreshing the shared memory cache.

How to work around or avoid

If you are using shared memory and have updated your XML text files, you must refresh the shared memory cache by removing the memory store backing files.

1. Ensure the system is idle. No Teamcenter server processes can be running.
2. Remove the memory store backing files. The **TC_SHARED_MEMORY_DIR** environment variable value specifies the directory where the store backing files are stored. If you do not set this variable, its value is set by the **tc_profilevars** script to be either:

- Windows: The **TEMP** environment variable.
- UNIX: The **/tmp** directory.

Note: On Windows, if the **TC_SHARED_MEMORY_DIR** environment variable is not available, the **TEMP** directory is used.

The shared memory files are created under the **P8000.3.1.last-build-date/database-site-ID/language** directory located in the temporary repository. Server error messages are saved in the **emh_text.xml.mem** file. Server strings are saved in the **tc_text.xml.mem** file.

At the next process startup, the system finds the shared memory state is no longer initialized, reads the XML text files, and populates the shared memory cache, thus creating and populating the shared memory backing store file.

Note: Set the **TC_NO_TEXTSRV_SHARED_MEMORY** environment variable to **TRUE** to disable shared memory functionality and revert system behavior to in-process text storage.

Text server errors involving UNIX shared memory segments and semaphores often indicate insufficient interprocess communication resources on that UNIX system. You may need to free shared memory segments and semaphores resources before the text server can use interprocess communication.

In this case, the text server automatically reverts to using **tcservice** memory to provide text services. When interprocess communication resources are available, the text server automatically uses interprocess communication again for new **tcservice** processes.

Title **Instructions for Brazilian Portuguese language support**

PR Number n/a

Release **8.3.3**

Problem

CAUTION:

This release note is intended for users wanting to add support for the Brazilian Portuguese (**pt_BR**) language. Make sure to apply all the instructions in this section.

Do not choose the Brazilian Portuguese language if you are not applying the instructions in this section.

Note: If you decide to choose **pt_BR** as master language, the following check is mandatory:

Does the customer template have a dependency on any third-party templates?

If yes, the customer must either request the third-party template owners for the Brazilian Portuguese translations or the customer must provide the **pt_BR** translations for all the data model elements from the third-party templates.

If this is not done, the Business Modeler IDE displays errors in all third-party data model elements when these model elements are opened in the Business Modeler IDE editor.

Title **Updating preference descriptions**

PR Number **6410657**

Release **8.3.1.1**

Problem

Descriptions of some preferences are updated to reflect that a new language is added to the list of Teamcenter-supported languages.

How to work around or avoid

1. Run the **preferences_manager** preference to extract all the preferences:

```
preferences_manager -u=user_id -p=password -g=group -mode=export -scope=SITE -out_file=%TC_TMP_DIR%\tc_preferences_export.xml
```

2. Open the file `%TC_TMP_DIR%\tc_preferences_export.xml` and write down the values for the following preferences:

- **TC_language_default**
- **TC_language_data_entry**
- **TC_language_localized_property_value_display**
- **TC_language_localized_property_value_entry**

3. Copy the file in `TC_DATA\tc_preferences.xml` as:
`TC_DATA\tc_preferences_for_patch.xml`

4. Edit the file `TC_DATA\tc_preferences_for_patch.xml` to only keep the four preferences listed in step 2. Modify the values to of these preferences to the values retrieved in step 1.

5. Run the **preferences_manager** utility as an administrator with the following arguments:

```
preferences_manager -u=user_id -p=password -g=group -mode=import -scope=SITE -file=TC_DATA\tc_preferences_for_patch.xml -action=OVERRIDE
```

Title **Changes in foundation template to support the new locale**

PR Number **6410657**

Release **8.3.1.1**

Problem

After a patch is applied using Teamcenter Environment Manager (TEM), apply the template changes to the database.

How to work around or avoid

1. Update templates being used by your current Teamcenter 8.3 Business Modeler IDE client with the new version. These templates usually reside in **TC_ROOT\bmide\templates**.
 - a) Extract the patch zip to a temporary location, for example, **D:\patch8.3.1.1**.
 - b) Copy the feature files of all the templates that Business Modeler IDE client has to **D:\patch8.3.1.1\platform\tc** folder. These feature files can be obtained from the following:
 - The Teamcenter 8.3 installable kit located in the *Teamcenter 8.3 kit\install\modules* folder.

For example if the **gmo** template is one of the templates installed for use in your Business Modeler IDE client, then copy the *feature_gmo.xml* from the *Teamcenter 8.3 kit\install\modules* folder to **D:\patch8.3.1.1\platform\tc** directory.
 - If you do not have access to the kit, you can obtain them from the current **TC_ROOT\install\install\modules** folder.

For example if the **gmo** template is one of the templates installed for use in your Business Modeler IDE client, then copy the *feature_gmo.xml* from the **TC_ROOT\install\install\modules** folder to **D:\patch8.3.1.1\platform\tc** directory.
 - c) Launch TEM in maintenance mode.
 - d) Go to the configuration where Business Modeler IDE client is installed.
 - e) Select **Add/Update template** for working within the Business Modeler IDE client.
 - f) TEM displays all templates currently used in Business Modeler IDE client.
 - g) Browse to the **D:\patch8.3.1.1\platform\tc** folder and select the feature file for templates that is currently used in the Business Modeler IDE client.
 - h) Confirm your selections and let TEM perform the updates.
 - i) After TEM completes successfully, validate that the latest templates are now available in the **TC_ROOT\bmide\templates** directory.
2. Perform a database update.
 - a) Extract the patch zip to a temporary location, for example, **D:\patch8.3.1.1**.
 - b) Copy the feature files of all the templates that Business Modeler IDE client has to the **D:\patch8.3.1.1\platform\tc** folder. You can obtain these feature files from:
 - The Teamcenter 8.3 installable kit located in the *Teamcenter-8.3-kit\install\modules* folder.

For example if the **gmo** template is one of the templates installed for use in your Business Modeler IDE client, then copy the *feature_gmo.xml* file from the *Teamcenter-8.3-kit\install\modules* folder to the **D:\patch8.3.1.1\platform\tc** directory.
 - If you do not have access to the kit, you can obtain them from the current **TC_ROOT\install\install\modules** folder.

For example if the **gmo** template is one of the templates installed for use in your Business Modeler IDE client, then copy the *feature_gmo.xml* file from the current **TC_ROOT\install\install\modules** folder to **D:\patch8.3.1.1\platform\tc**.

- c) Launch TEM in maintenance mode.
 - d) Go to the configuration where the corporate server is installed.
 - e) Select **Update database (Full Model – System downtime required)**.
 - f) TEM displays all templates currently installed in your database.
 - g) Browse to the **D:\patch8.3.1.1\platform\tc** folder and select the feature file for templates that is installed in your database.
 - h) Confirm your selections and TEM will update the database.
3. To start using the new locale (Brazilian Portuguese) perform the following steps:
- a) Ensure you have applied the current patch to the location where the Business Modeler IDE client is installed
 - b) Launch the Business Modeler IDE client.
 - c) Open the customer template project in which support for Brazilian Portuguese is required.
 - d) Add the new locale (**pt_BR**) to the customer template:
 - i. Go to Navigator view.
 - ii. Expand the **extensions** folder.
 - iii. From the **lang** folder, select **RMB→Organize→Add localization files**.
 - iv. Select **Brazilian Portuguese (pt_BR)** from the list of available locales.
 - v. Click **OK** to add the new locale to your project and reload the project. After the reload you must see the Brazilian Portuguese for all data model coming from the dependent templates.
 - e) You can provide the translations in Brazilian Portuguese for any data model elements. When you are ready with all required translations, package customer template.
 - f) Update the database with the new version of the customer template using TEM.

Title Teamcenter Running Status Can Be Checked on System Tray and/or Browser

PR Number 1810083

Release 8.3.1

Problem

When Teamcenter is running a time-consuming task, the screen can appear non-responsive. Therefore, the status icon and status text shown on the client screen may not be accurate.

How to work around or avoid

An icon placed on the system tray indicates the running status of Teamcenter.

The icon's image and tool tip changes with the status, and it is always available. The icon indicates the status; you can also click the icon and select **Status**. A window displays the detailed information about

the responsiveness of the server and client. On platforms where the system tray is not available, you can view the status information using a Web browser. The relationships between the server, client, and the icon on the system tray (**Systray**) are illustrated in the following table:

Server	Description	Client	Description	Systray	Tooltip
Ready icon	There is no current communication request between the client and server.	Ready icon	The client is responsive.	Ready icon	Teamcenter Ready
Working icon	The client is waiting on a response from the server.	Ready icon	The client is responsive.	Working icon	Teamcenter server processing
Disconnected icon	The client is not currently connected to the server.	Ready icon	The client is responsive.	Not ready icon	Teamcenter client disconnected from the server
Ready icon	There is no current communication request between the client and server.	Not ready icon	The client is responsive.	Not ready icon	Teamcenter client not responding
Working icon	The client is waiting on a response from the server.	Not ready icon	The client is responsive.	Not ready icon	Teamcenter client not responding and server processing
Disconnected icon	The client is not currently connected to the server.	Not ready icon	The client is responsive.	Not ready icon	Teamcenter client Is not responding and disconnected from the server

Title The new Office Client does not support customized Microsoft Office datasets

PR Number 6433948

Release 8.3.1

Problem

The new Office Client does not work with customized Microsoft Office datasets.

How to work around or avoid

Along with the patch fix, using the new Microsoft Office Client with customized Microsoft Office datasets requires a manual update to the schema XML file and redeploy. This is required so that when user opens the customized Microsoft Office dataset from the rich client, the **OfficeOpen** operation is triggered. This cannot be done through the Business Modeler IDE, because the **OfficeOpen** operation is a legacy operation type.

If the system has customized datasets for Microsoft Office file extensions (such as **.doc**, **.xls**, **.ppt**, and **.msg**), you must manually add the below XML entry into the XML schema file and deploy it.

```
<ADD>
...
  <TcExtensionAttach extensionName="OfficeOpenExt"
    operationName="OfficeOpen" isActive="true"

      extendableElementName="YourMSOfficeDatasetNameHere"

      extendableElementType="Type"

      extensionPointType="BaseAction" conditionName="isTrue"/>
...
</ADD>
```

For example, if the system has a customized dataset for a Microsoft Word **CustomMSWord** file type, add the following XML entry:

```
<ADD>
...
  <TcExtensionAttach extensionName="OfficeOpenExt"
    operationName="OfficeOpen" isActive="true"

      extendableElementName="CustomMSWord"

      extendableElementType="Type"

      extensionPointType="BaseAction" conditionName="isTrue"/>
...
</ADD>
```

Redeploy the schema.

For the Microsoft Office Client installation, add the custom dataset name to the new Microsoft Office Client configuration file before installing the Office Client. The configuration file normally resides in the CD-ROM **officeclient** directory.

For example, for a customized dataset for the Microsoft Word **CustomMSWord** file type named with a *.doc file type extension, update the **typemaps** section in the **TcWordAddin.dll.config.template** configuration file. (**Note:** This assumes the reference name of customized dataset is the same as the shipped dataset.) In this case, the shipped **MSWordX** dataset has the reference name **word**. The customized **CustomMSWord** should have the same reference name called **word**.

Update the configuration file from:

```
...  
<typemaps>  
...  
    <add extension="doc" soadatasettype="MSWord" soareftype="word"  
    toolname="MSWord" />  
...
```

To:

```
...  
<typemaps>  
    <add extension="doc" soadatasettype="MSWord,CustomMSWord"  
    soareftype="word" toolname="MSWord" />  
...
```

Perform this similar update other customized office datasets:

- For Microsoft Excel, update the **TcExcelAddin.dll.config.template** file.
- For Microsoft PowerPoint, update the **TcPowerPointAddin.dll.config.template** file.
- For Microsoft Outlook, update the **TcOutlookAddin.dll.config.template** file.

There are two ways of configure Office Client to support the custom dataset types. The above describes the approach for administrators. Other users can use the User settings user interface to change the dataset type to the custom type for the desired file extension after installing Office Client.

Title **New site preference for remote check-in/check-out support of Validation objects**

PR Number **6429260**

Release **8.3.0.3, 8.3.1**

Problem

Locally owned Validation Checker revision objects are exported with site ownership transfer during remote check-in of an NX part revision.

How to work around or avoid

A new site preference, **TC_VALIDATION_include_validation_checker_for_site_transfer**, addresses the problem.

To import this preference into the database, run the **preferences_manager** utility with **-mode=import -scope=SITE -action=SKIP**. For example:

```
preferences_manager -u=infodba -p=password -g=dba -mode=import -scope=SITE  
-action=SKIP
```

Following is the information added to **tc_preferences.xml** file regarding this preference:

```
<preference  
name="TC_VALIDATION_include_validation_checker_for_site_transfer"  
type="Logical" array="false" disabled="false">
```

This preference defines whether the Validation Checker object referenced by a Validation Result is included for export when the Validation Result is exported with site ownership transfer.

Valid values for this site preference are **true** and **false** (default value).

Title **Not possible to override rendering hints for Create and Summary**

PR Number **1787443**

Release **8.3.0.3, 8.3.1**

Problem

There is no provision for custom sites to override the shipped **renderingHint** for custom attributes.

How to work around or avoid

The **renderingHint** specified in the style sheet file for custom attributes should be exactly in same case as defined in the extension Point (**renderingHint Ext Point**).

Title **Performance degradation of Process Simulate on Teamcenter load time**

PR Number **6436841**

Release **8.3.1**

Problem

There is a performance degradation of Process Simulate on Teamcenter load time.

How to Work Around or Avoid Problem

In Teamcenter 8.3.1, the Process Simulate Export Transfer Mode changed. To apply this change, run the following commands from the Teamcenter command line or shell:

1. Set the **TC_INSTALL_DIR** environment variable to the Teamcenter 8.3.1 installation directory.
2. Set the **TC_USER_PASSWD** environment variable to the **infodba** user password.
3. Run the following command:

```
plmxml_import -xml_file=${TC_INSTALL_DIR}/  
cmtps/cci_process_simulate_transfer_mode_export.xml  
-import_mode=overwrite -u=infodba -p=${TC_USER_PASSWD} -g=dba  
  
plmxml_import -xml_file=${TC_INSTALL_DIR}/  
cmtps/cci_process_simulate_transfer_mode_property_set_export.xml  
-import_mode=overwrite -u=infodba -p=${TC_USER_PASSWD} -g=dba
```

Title **Unable to remove a BOM line from Structure Manager**

PR Number **2150537**

Release **8.3.1**

Problem

When trying to remove a BOM line that is associated with a BOM change and save the structure, an instance-referenced error is displayed, which does not allow the changes to get committed.

How to work around or avoid

After applying the Teamcenter 8.3.1 patch, run the following command from the command shell where the **TC_ROOT** and **TC_DATA** environment variables are set:

```
install_callback -u=infodba -p=${TC_USER_PASSWD} -g=dba -mode=create  
-type=CMDeleteBomEdit -library=libcm -function=CM_delete_bomedits  
-name=CM-delete-bomedits
```

Title **modifySchedules SOA in ScheduleManagementService not supported**

PR Number **6416271**

Release **8.1.x, 8.3.x, 9.0.x**

Problem

The **modifySchedules** service-oriented architecture (SOA) method defined in **ScheduleManagementService** was introduced erroneously. It was never implemented and is not supported.

A description in the generated file of the service method states the service is not implemented.

How to work around or avoid

Do not use the **modifySchedules** SOA method.

Title **Unable to revise a cluster group revision**

PR Number **6430391**

Release **8.3.0.3**

Problem

DPVCluster Group is an item type. Revising the **DPVClusterGroup Revision** results in an error.

How to work around or avoid

Modify the **MaxAllowedWorkRevsForItemCopyRev** value for **DPVClusterGroup Revision** from **0** to **1**.

Title **DPVClusterGroupContent relationship is not shown under paste special dialogue**

PR Number **6415121**

Release **8.3.0.3**

Problem

When creating a relationship (**DPVClusterGroupContent**) between **DPVClusterGroup Revision** and **DPVCluster Revision**, if you paste **DPVCluster Revision** under **DPVClusterGroup Revision** using **pastespecial.dialogue**, the relationship is not displayed.

How to work around or avoid

Add a relation property under the **DPVClusterGroup Revision**.

Title Adding additional features and feature attributes to the LOV

PR Number 6421796

Release 8.3.0.3

Problem

As part of an enhancement to support the Document Markup Language (DML) project, additional feature and feature attributes were added to the LOVs.

How to work around or avoid

Add the custom template with the required LOV additional changes and deploy them.

SECTION 1: Install the patch

Follow the instructions to install any Teamcenter 8.3.0.3 patch.

SECTION 2: Update the Business Modeler IDE client installation

1. Overwrite the **dpv_template.xml** file in the **%TC_ROOT%/bmide/templates** directory with the latest **dpv_template.xml** file in the Teamcenter 8.3.0.3 patch. For example, copy the **dpv_template.xml** file from *patch_kit/wnti/tc/dpv_template.zip* and paste it into **%TC_ROOT%/bmide/templates/dpv_template.xml**.

Where:

- *TC_ROOT* is the root directory where you installed the Teamcenter 8.3.0.3 patch.
 - *patch_kit* is Teamcenter the 8.3.0.3 patch.
2. If you have a custom template project created in the Business Modeler IDE client, perform the following steps:
 - a) Launch the Business Modeler IDE client.
 - b) Open the custom project.
 - c) Ensure that the custom project loads successfully with no errors in the Business Modeler IDE console view.
 - d) If there are errors, analyze them and fix them before proceeding to SECTION 3 to perform the database update.
 - e) If you made any additional changes to the custom template to fix the loading errors, then package your custom template.

For more information, see *Package extensions into a solution template* in the *Business Modeler IDE Guide*.

SECTION 3: Update dpv_template and gmdpv_template in the Teamcenter Corporate Server database

Notes:

- If you are applying the patch on a Windows environment, patch **Tc8.3.0_patch_3_wnti.zip**.
- Once you perform a full database update, you must reset the following preference values:

- **DPV_rawdata_location**
 - **DPV_logdatapurge_days**
 - **DPV_ccuaservice_url**
1. Locate the **dpv_template.zip** file in the latest Teamcenter 8.3.0.3 patch kit under the *patch_kit\wnti\tc* directory and extract the contents to a temporary location. When you extract the zip file, you will see the following directory/file structure:

Temporary-directory\install\dpv\dpv_template.xml

2. Select the *Temporary-directory\install* directory and prepare a ZIP file with the name **dpv_template.zip**. Keep new **dpv_template.zip** file in the *Temporary-directory*.

Unzip the newly created **dpv_template.zip** file and ensure that it has the following directory structure:

Install\dpv\dpv_template.xml

3. Copy the **feature_dpv.xml** file from *%TC_ROOT%\install\install\modules* and paste under *Temporary-directory*.
4. Follow steps 1, 2, and 3 for the **gmdpv** template.
5. Open Teamcenter 8.3 Help and go to *Configuring Teamcenter→Business Modeler IDE Guide*.
6. In the *Business Modeler IDE Guide*, go to *Using the Business Modeler IDE for codeless configuration→Working with templates→Update the database using TEM*.
7. Follow the instructions in *Update the database using TEM* to update the **dpv_template** and **gmdpv_template** with the following alterations.

Notes:

- Skip step 1 in *Update the database using TEM* if there were no changes to your custom template as part of SECTION 2, step 2.
- In step 9 in *Update the database using TEM* where TEM provides you the **Browse** button to select the **feature_dpv.xml** and **feature_gmdpv.xml** files that you placed in *Temporary directory* in step 3 and *feature_custom_template.xml* if there were changes to your custom template as part of SECTION 2, step 2.

Title **Single select in the Name field in My Teamcenter puts the field in edit mode**

PR Number **6446288**

Release **8.3.0.3**

Problem

Clicking once in the edit field puts the cell into edit mode.

How to work around or avoid

To enable Click-Pause-Click editing, set the **SingleClickEditMode** site-wide preference to **0**.

Title Error in generating a Manufacturing Process Planner PAD Report

PR Number 6447652

Release 8.3.0.X

Problem

When generating a PAD report for MEPAD or MEPSD in Manufacturing Process Planner, the following error is displayed:

```
ERROR - CANNOT PRODUCE PAD REPORT FOR THIS OBJECT. THIS REPORT IS ONLY  
VALID FOR PAD AND PSD OBJECTS.
```

How to work around or avoid

Execute the following command to update the **PAD_General_Report** closure rule:

```
plmxml_import -xml_file=${TC_INSTALL_DIR}/cmtpadtwp/cci_tm_export_pad_report.xml  
-import_mode=overwrite -u=infodba -p=${TC_USER_PASSWD} -g=dba
```

where *TC_INSTALL_DIR* is the Teamcenter Installer location on server.

Title Cleanup of the process failures during replication to avoid BPEL engine retrying

PR Number 6426745

Release 8.3.0.3

Problem

While running the **sitcons_replication_mgr** utility, processes can fail for various reasons. If a process fails due to failures, such as connection failures or time outs, then the BPEL engine retries the failed step at a later time.

If there is an error, correct the issue before retrying.

How to work around or avoid

If you restart the application server, clean out the Apache Orchestration Director Engine (ODE) tables to prevent the retries. Run the **BPELCleanup_drop.sql** script followed by the **BPELCleanup_create.sql**

script to clean up the ODE tables. Use the **ActivityMessageSummary** BOD to query using the message-id of the failed processes.

You can delete the messages, which represent failed processes.

BPELCleanup_drop.sql

```
-- Apache ODE - SimpleScheduler Database Schema
--
-- Apache Derby scripts by Maciej Szeffler.
--
--
drop table ODE_JOB cascade constraints purge ;
drop table BPEL_ACTIVITY_RECOVERY cascade constraints purge ;
drop table BPEL_CORRELATION_PROP cascade constraints purge ;
drop table BPEL_CORRELATION_SET cascade constraints purge ;
drop table BPEL_CORRELATOR cascade constraints purge ;
drop table BPEL_CORRELATOR_MESSAGE_CKEY cascade constraints purge ;
drop table BPEL_EVENT cascade constraints purge ;
drop table BPEL_FAULT cascade constraints purge ;
drop table BPEL_INSTANCE cascade constraints purge ;
drop table BPEL_MESSAGE cascade constraints purge ;
drop table BPEL_MESSAGE_EXCHANGE cascade constraints purge ;
drop table BPEL_MEX_PROPS cascade constraints purge ;
drop table BPEL_PLINK_VAL cascade constraints purge ;
drop table BPEL_PROCESS cascade constraints purge ;
drop table BPEL_SCOPE cascade constraints purge ;
drop table BPEL_SELECTORS cascade constraints purge ;
drop table BPEL_UNMATCHED cascade constraints purge ;
drop table BPEL_XML_DATA cascade constraints purge ;
drop table LARGE_DATA cascade constraints purge ;
drop table VAR_PROPERTY cascade constraints purge ;
delete from STORE_PROCESS;
delete from STORE_PROCESS_PROP;
delete from STORE_PROC_TO_PROP;
delete from STORE_VERSIONS;
delete from STORE_DU;
drop sequence hibernate_sequence;
```

BPELCleanup_create.sql

```
-- Apache ODE - SimpleScheduler Database Schema
--
-- Apache Derby scripts by Maciej Szeffler.
--
--
CREATE TABLE ODE_JOB (
  jobid varchar2(64 char) DEFAULT '' NOT NULL,
  ts number(19,0) DEFAULT 0 NOT NULL,
  nodeid varchar2(64 char) NULL,
  scheduled number(12,0) DEFAULT 0 NOT NULL,
  transacted number(12,0) DEFAULT 0 NOT NULL,
  details BLOB, PRIMARY KEY(jobid));
CREATE INDEX IDX_ODE_JOB_TS ON ode_job(ts);
CREATE INDEX IDX_ODE_JOB_NODEID ON ode_job(nodeid);
```



```

create table BPEL_ACTIVITY_RECOVERY (ID number(19,0) not null, PIID
number(19,0), AID number(19,0), CHANNEL varchar2(255 char), REASON
varchar2(255 char), DATE_TIME timestamp, LDATA_ID number(19,0), ACTIONS
varchar2(255 char), RETRIES number(10,0), INSERT_TIME timestamp, MLOCK
number(10,0) not null, primary key (ID));

create table BPEL_CORRELATION_PROP (ID number(19,0) not null, NAME
varchar2(255 char), NAMESPACE varchar2(255 char), VALUE varchar2(255 char),
CORR_SET_ID number(19,0), INSERT_TIME timestamp, MLOCK number(10,0) not null,
primary key (ID));

create table BPEL_CORRELATION_SET (ID number(19,0) not null, VALUE
varchar2(255 char), CORR_SET_NAME varchar2(255 char), SCOPE_ID number(19,0),
PIID number(19,0), PROCESS_ID number(19,0), INSERT_TIME timestamp, MLOCK
number(10,0) not null, primary key (ID));

create table BPEL_CORRELATOR (ID number(19,0) not null, CID varchar2(255
char), PROCESS_ID number(19,0), INSERT_TIME timestamp, MLOCK number(10,0) not
null, primary key (ID));

create table BPEL_CORRELATOR_MESSAGE_CKEY (ID number(19,0) not null, CKEY
varchar2(255 char), CORRELATOR_MESSAGE_ID number(19,0), INSERT_TIME
timestamp, MLOCK number(10,0) not null, primary key (ID));

create table BPEL_EVENT (ID number(19,0) not null, IID number(19,0), PID
number(19,0), TSTAMP timestamp, TYPE varchar2(255 char), DETAIL clob,
LDATA_ID number(19,0), SID number(19,0), INSERT_TIME timestamp, MLOCK
number(10,0) not null, primary key (ID));

create table BPEL_FAULT (ID number(19,0) not null, FAULTNAME varchar2(255
char), LDATA_ID number(19,0), EXPLANATION varchar2(4000 char), LINE_NUM
number(10,0), AID number(10,0), INSERT_TIME timestamp, MLOCK number(10,0) not
null, primary key (ID));

create table BPEL_INSTANCE (ID number(19,0) not null,
INSTANTIATING_CORRELATOR number(19,0), FAULT number(19,0), JACOB_STATE
number(19,0), PREVIOUS_STATE number(5,0), PROCESS_ID number(19,0), STATE
number(5,0), LAST_ACTIVE_DT timestamp, SEQUENCE number(19,0), FAILURE_COUNT
number(10,0), FAILURE_DT timestamp, INSERT_TIME timestamp, MLOCK number(10,0)
not null, primary key (ID));

create table BPEL_MESSAGE (ID number(19,0) not null, MEX number(19,0), TYPE
varchar2(255 char), DATA number(19,0), HEADER number(19,0), INSERT_TIME
timestamp, MLOCK number(10,0) not null, primary key (ID));

create table BPEL_MESSAGE_EXCHANGE (ID number(19,0) not null, PORT_TYPE
varchar2(255 char), CHANNEL_NAME varchar2(255 char), CLIENTKEY varchar2(255
char), LDATA_EPR_ID number(19,0), LDATA_CEPR_ID number(19,0), REQUEST
number(19,0), RESPONSE number(19,0), INSERT_DT timestamp, OPERATION
varchar2(255 char), STATE varchar2(255 char), PROCESS number(19,0), PIID
number(19,0), DIR char(1 char), PLINK_MODELID number(10,0), PATTERN
varchar2(255 char), CORR_STATUS varchar2(255 char), FAULT_TYPE varchar2(255
char), FAULT_EXPL varchar2(255 char), CALLEE varchar2(255 char), PARTNERLINK
number(19,0), PIPED_ID varchar2(255 char), SUBSCRIBER_COUNT number(10,0),
INSERT_TIME timestamp, MLOCK number(10,0) not null, primary key (ID));

create table BPEL_MEX_PROPS (MEX number(19,0) not null, VALUE long, NAME
varchar2(255 char) not null, primary key (MEX, NAME));

```

```

create table BPEL_PLINK_VAL (ID number(19,0) not null, PARTNER_LINK
varchar2(100 char) not null, PARTNERROLE varchar2(100 char), MYROLE_EPR
number(19,0), PARTNERROLE_EPR number(19,0), PROCESS number(19,0), SCOPE
number(19,0), SVCNAME varchar2(255 char), MYROLE varchar2(100 char), MODELID
number(10,0), MYSESSIONID varchar2(255 char), PARTNERSESSIONID varchar2(255
char), INSERT_TIME timestamp, MLOCK number(10,0) not null, primary key (ID));

create table BPEL_PROCESS (ID number(19,0) not null, PROCID varchar2(255
char) not null unique, deployer varchar2(255 char), deploydate timestamp,
type_name varchar2(255 char), type_ns varchar2(255 char), version
number(19,0), ACTIVE_ number(1,0), guid varchar2(255 char), INSERT_TIME
timestamp, MLOCK number(10,0) not null, primary key (ID));

create table BPEL_SCOPE (ID number(19,0) not null, PIID number(19,0),
PARENT_SCOPE_ID number(19,0), STATE varchar2(255 char) not null, NAME
varchar2(255 char) not null, MODELID number(10,0), INSERT_TIME timestamp,
MLOCK number(10,0) not null, primary key (ID));

create table BPEL_SELECTORS (ID number(19,0) not null, PIID number(19,0) not
null, SELGRPID varchar2(255 char) not null, IDX number(10,0) not null,
CORRELATION_KEY varchar2(255 char) not null, PROC_TYPE varchar2(255 char) not
null, ROUTE_POLICY varchar2(255 char), CORRELATOR number(19,0) not null,
INSERT_TIME timestamp, MLOCK number(10,0) not null, primary key (ID), unique
(CORRELATION_KEY, CORRELATOR));

create table BPEL_UNMATCHED (ID number(19,0) not null, MEX number(19,0),
CORRELATION_KEY varchar2(255 char), CORRELATOR number(19,0) not null,
INSERT_TIME timestamp, MLOCK number(10,0) not null, primary key (ID));

create table BPEL_XML_DATA (ID number(19,0) not null, LDATA_ID number(19,0),
NAME varchar2(255 char) not null, SCOPE_ID number(19,0), PIID number(19,0),
IS_SIMPLE_TYPE number(1,0), INSERT_TIME timestamp, MLOCK number(10,0) not
null, primary key (ID));

create table LARGE_DATA (ID number(19,0) not null, BIN_DATA blob, INSERT_TIME
timestamp, MLOCK number(10,0) not null, primary key (ID));

create table VAR_PROPERTY (ID number(19,0) not null, XML_DATA_ID
number(19,0), PROP_VALUE varchar2(255 char), PROP_NAME varchar2(255 char) not
null, INSERT_TIME timestamp, MLOCK number(10,0) not null, primary key (ID));

create index IDX_CORRELATOR_CID on BPEL_CORRELATOR (CID);

create index IDX_BPEL_COR_MESSAGE_CKEY on BPEL_CORRELATOR_MESSAGE_CKEY
(CKEY);

create index IDX_SELECTOR_CORRELATOR on BPEL_SELECTORS (CORRELATOR);

create index IDX_SELECTOR_CKEY on BPEL_SELECTORS (CORRELATION_KEY);

create index IDX_SELECTOR_SELGRPID on BPEL_SELECTORS (SELGRPID);

create index IDX_UNMATCHED_CKEY on BPEL_UNMATCHED (CORRELATION_KEY);

create index IDX_UNMATCHED_CORRELATOR on BPEL_UNMATCHED (CORRELATOR);

create sequence hibernate_sequence;

```

Title Run default_queries command as part of patch upgrade

PR Number 6442667, 2160002

Release 8.3.0.2

Problem

Without running the **default_queries** command, selecting the signoff team with workflow profile will not work, and search by rule in the Organization application does not work.

How to work around or avoid

Run the **default_queries** command as part of a patch upgrade. For example:

```
default_queries -u=infodba -p=${infodba_password} -g=dba -locales=ALL
```

Title Gantt chart reflects incorrect calendar information after shift schedule operation

PR Number 6441469

Release 8.3.0, 8.3.0.2

Problem

The Gantt chart does not display the calendar holidays correctly when a schedule calendar is updated and a shift schedule operation is immediately performed. The problem is only in rendering of the calendar exceptions in the Gantt chart.

The recalculate operation is done correctly.

How to work around or avoid

After modifying the schedule calendar, reload (not refresh) the schedule and then perform the shift schedule operation.

Title Error popup while doing Schedule Save As

PR Number 6445829

Release 8.3.0, 8.3.0.2

Problem

When you load a schedule in the **Schedule Manager** perspective and click **Back** to return to the **My Teamcenter** perspective, then select a schedule and choose **Save as**, an error message displays.

However, the **Save as** schedule operation is successfully complete; you can verify this by opening the new schedule. The error message is misleading.

How to work around or avoid

Close the **Schedule Manager** perspective and perform a **Save as** operation.

Title Copying of the changes in RACBase.xml for performance optimization

PR Number None

Release 8.3.0.2

Problem

There is a **RACBase.xml** file in the *install-di\data\soa\policies* folder. This is updated by the patch.

Another folder, *install_di\tcdata\soa\policies*, contains the **RACBase.xml** file that the installation uses.

How to work around or avoid

1. Copy the following elements from the **RACBase.xml** file in the **data** folder and replace the corresponding elements in the **RACBase.xml** file in the **tcdata** folder.

```
<!-- Scheduling in PLM1 -->
  <ObjectType name="Schedule">
    <Property name="object_name"/>
    <Property name="activeschbaseline_tag"/>
    <Property name="is_baseline"/>
    <Property name="base_schedule_cost"/>
    <Property name="sch_summary_task"/>
    <Property name="start_date"/>
    <Property name="sum_rollup_status"/>
    <Property name="finish_date"/>
    <Property name="status"/>
    <Property name="links_allowed"/>
    <Property name="rights_mask"/>
    <Property name="percent_linked"/>
    <Property name="is_template"/>
    <Property name="schedule_type"/>
    <Property name="act_date_preference"/>
    <Property name="sch_notification_count"/>
    <Property name="sch_subscription_count"/>
    <Property name="wbsformat"/>
    <Property name="wbsvalue"/>
    <Property name="end_date_scheduling"/>
    <Property name="recalc_type"/>
    <Property name="latest_start_date"/>
    <Property name="earliest_finish_date"/>
  </ObjectType>
```

```

<ObjectType name="ScheduleTask" excludeParentProperties="true" >
    <Property name="object_name"/>
    <Property name="object_desc"/>
    <Property name="object_string"/>
    <Property name="schedule_tag"/>
    <Property name="ms_integration_link"/>
    <Property name="baseline_var_cost"/>
    <Property name="original_task_tag"/>
    <Property name="child_task_taglist"/>

    <Property name="parent_task_tag"/>
    <Property name="privileged_user"/>
    <Property name="fixed_type"/>
    <Property name="auto_complete"/>
    <Property name="task_type"/>
    <Property name="constraint"/>

    <Property name="start_date"/>
    <Property name="finish_date"/>
    <Property name="work_estimate"/>
    <Property name="duration"/>
    <Property name="sch_task_notification_count"/>
    <Property name="sch_task_subscription_count"/>
    <Property name="wbs_code"/>
    <Property name="approved_work"/>

    <Property name="work_complete"/>
    <Property name="complete_percent"/>
    <Property name="actual_start_date"/>
    <Property name="actual_finish_date"/>
    <Property name="status"/>
    <Property name="workflow_process"/>
    <Property name="ResourceAssignment"/>
</ObjectType>

```

2. Similarly, there is a **tc_preferences.xml** file in the *install-dir\data* folder. Copy the following elements from this file and replace the corresponding elements in the **tc_preferences.xml** file that is in the *install-dir\atcdata* folder.

```

<preference name="ScheduleColumnsShownPref" type="String" array="true"
disabled="false">

```

```

<preference_description>User Preference Used for Showing Default
Columns in the Schedule Manager.</preference_description>

```

```

<context name="Teamcenter">
    <value>ScheduleTask.start_date</value>
    <value>ScheduleTask.finish_date</value>
    <value>ScheduleTask.duration</value>
    <value>ScheduleTask.work_estimate</value>
    <value>ScheduleTask.task_type</value>
    <value>ScheduleTask.constraint</value>
    <value>ScheduleTask.actual_start_date</value>
    <value>ScheduleTask.actual_finish_date</value>
    <value>ScheduleTask.work_complete</value>
    <value>ScheduleTask.complete_percent</value>

```

```

        <value>ScheduleTask.status</value>
        <value>ScheduleTask.object_name</value>
        <value>ResourceAssignment</value>
        <value>predecessors</value>
        <value>successors</value>
    </context>
</preference>

<preference name="TaskPropFromRACBasePolicyPref" type="String"
array="true" disabled="false">

<preference_description>Defines the list of Schedule Task properties to
be displayed in the Tree View in Schedule Manager application. This is
a site preference.</preference_description>

    <context name="Teamcenter">
        <value>object_name</value>
        <value>schedule_tag</value>
        <value>ms_integration_link</value>
        <value>baseline_var_cost</value>
        <value>original_task_tag</value>
        <value>child_task_taglist</value>
        <value>parent_task_tag</value>
        <value>privileged_user</value>
        <value>fixed_type</value>
        <value>auto_complete</value>
        <value>task_type</value>
        <value>constraint</value>
        <value>start_date</value>
        <value>finish_date</value>
        <value>work_estimate</value>
        <value>duration</value>
        <value>sch_task_notification_count</value>
        <value>sch_task_subscription_count</value>
        <value>wbs_code</value>
        <value>approved_work</value>
        <value>work_complete</value>
        <value>complete_percent</value>
        <value>actual_start_date</value>
        <value>actual_finish_date</value>
        <value>status</value>
        <value>workflow_process</value>
        <value>ResourceAssignment</value>
    </context>
</preference>

```

Notes:

- Since the **TaskPropFromRACBasePolicyPref** preference is new, it does not exist in the *install-dir\atcdata\tc_preferences.xml* file.
- When you start Teamcenter for the first time after an installation, the application is slow because the cache is being created. At this time, Schedule Manager is also slow since the cache is being created the first time. On subsequent logins, Teamcenter is fast and Schedule Manager operations are faster compared to the first login.

- Chattiness can exist between the rich client and the server because the **RACBase.xml** and the **tc_preferences.xml** files in the **tcdata** folder were not changed. Because this affects the performance of operations, Siemens PLM Software recommends you change the **RACBase.xml** file as described above.

Title **Automatic refresh does not work after following actions to reflect the task position correctly in the Gantt chart**

PR Number **6453784**

Release **8.3.0.2**

Problem

After performing the following actions, automatic refresh does not work.

1. Apply a constraint to a task. The task does not position itself automatically in Gantt chart.
2. Change the duration of a task by performing actions like assigning multiple resources or changing resource load. The Gantt chart does not reflect the changed duration.

How to work around or avoid

Perform the refresh action to update the tasks in the Gantt chart.

Title **Site Consolidation when the edaserver template is installed**

PR Number **None**

Release **8.3.3**

Problem

If the **edaserver** template is installed, complete the following steps manually to support TcXML data exchange.

How to work around or avoid

1. Create the **edaserverSiteConsInternalClosureRules.xml** file with following text:

```
<?xml version='1.0' standalone='yes'?>
<TCXML xmlns="http://www.tcxml.org/Schemas/TCXMLSchema">

  <ClosureRule name="FT_ItemRevision"

    clauses="CLASS.ItemRevision:CLASS.ItemRevision:RELATIONP2S.EDAServer:PROCESS+TRAVERSE:",
```

```

CLASS.ItemRevision:CLASS.ItemRevision:RELATIONP2S.EDAHasVariant:PROCESS
+TRAVERSE:,

CLASS.ItemRevision:CLASS.ItemRevision:RELATIONP2S.EDAHasDerivedItem:PRO
CESS+TRAVERSE:,

CLASS.ItemRevision:CLASS.ItemRevision:RELATIONP2S.EDAHasSchematic:PROCE
SS+TRAVERSE:,

CLASS.ItemRevision:CLASS.Dataset:RELATIONP2S.EDAHasDerivedDataset:PROCE
SS+TRAVERSE:"
    comments=""
    description=""
    elemId="id1"
    owning_site="#id16"
    schema_format="1"
    scope="0">
    <GSIdentity elemId="id2"
        label="xrNZpHpTxSZb2g" />
</ClosureRule>

<POM_imc elemId="id15"
    owning_site="#id16"
    site_id="457807507">
    <GSIdentity elemId="id16"
        label="wFKII9ebxSZa5B" />

</POM_imc>

<Header author="gexu"
    date="2007-07-27"
    elemId="id245"
    originatingSite="457807507"
    targetSite=""
    time="13:16:27">
    <TransferFormula OptionSet=""
        Reason=""
        TransferMode="PLMXMLAdminDataExport"
        elemId="id17" />

</Header>
</TCXML>

```

2. Run following command to import closure rules:

```

tcxml_import -u=infodba -p=${TC_USER_PASSWD} -g=dba -file=full-path-of-
edaserverSiteConsInternalClosureRules.xml -scope_rules -scope_rules_mode=overwrite

```

After executing these steps, you can now transfer edaserver-specific data.

Title Missing stored procedure (PSE / RDV)

PR Number 6419331

Release 8.2, 8.3, 8.3.0.1 (while upgrading from Teamcenter 2007.1.* to 8.2 / 8.3)

Problem

When enabling a new variant data model (by default enabled in Teamcenter 8.3), the missing stored procedures in the database cause issues with variant functionality.

How to work around or avoid

After upgrade, install the missing stored procedure using the **install -enq_support** command.

Title Specifying whether trailing zeroes in a decimal value are trimmed

PR Number 2149748

Release 8.1.0.3

Problem

The **Fnd0TrimZeroes** property constant specifies whether the trailing zeroes in the decimal value need to be trimmed during display in clients. It applies only to **Double** and **Float** data types. Trailing zeros are trimmed if the constant is set to **true**. The default value is **false**. The value of the constant can be overwritten at sub-business objects.

How to work around or avoid

You must update your BMIDE client with the patch installation and deploy the changes to your corporate server to use this functionality.

Refer to [Updating the Business Modeler IDE client](#) for instructions.

Title Upgrade from ODE 1.3.3 to ODE 1.3.4

PR Number 1794033, 6410534

Release 8.1.0

Problem

This patch includes an upgrade from Apache Orchestration Director Engine (ODE) 1.3.3 to ODE 1.3.4. The Teamcenter Global Services solution JAR files changed and the Global Services Framework database schema also changed as a result.

How to work around or avoid

Perform the following procedures and refer to the installation documentation provided with Teamcenter 8.3.0.0 as needed. If the step is not specifically documented here, please refer to the Teamcenter 8.3.0.0 documentation.

Upgrade to Global Services Framework 8.3.0.1 from tc8.3.0.0

1. Back up your current setup, including EAR files and the database.

Regenerate the Teamcenter 8.3 Global Services Framework - Application Directory

2. Launch the Teamcenter Web Application Manager (**insweb/tcweb**).
3. Select the Web application containing the Global Services Framework Application Directory.
4. Click **Modify**.
5. Click **Modify Disk Locations**.
6. Modify the disk location for the install images to point to the new location of the **ugs_globalservices_application_directory.jar** file; this is located under the **Web_tier** directory of the patch distribution. Make certain the old disk location is not present in the list of disk locations.
7. Click **Reinstall Solutions**.
8. Select **Teamcenter 8.3 Global Services Framework - Application Directory** and click **OK**.
9. The **Progress** window displays. Click **OK** when the installation is complete.

Note: The staging directory containing the installed application directory is referred to as *tcgs-application-dir*.

Regenerate the Global Services Framework - Ode BPEL Enterprise Application (tcgs-ode.ear)

10. Back up the old **tcgs-ode.ear** file.
11. From the Teamcenter Web Application Manager (**insweb/tcweb**), select the Web application for the ODE BPEL Enterprise Application.
12. Click **Modify**.
13. Click **Modify Disk Locations**.
14. Modify the disk location for install images to point to the directory containing the new install images; this can be located under the **Web_tier** directory of the patch distribution. Make certain the old disk location is not present in the list of disk locations.
15. Click **Reinstall Solutions**.
16. Select **Teamcenter 8.3. Global Services Framework - Ode BPEL Enterprise Application** and click **OK**.
17. Click **OK** when the installation is complete.
18. Redeploy the new ode EAR file in your application server.

Regenerate the tcgs.ear file

19. Back up the old **tcgs.ear** file.

20. From the Teamcenter Web Application Manager (**insweb/tcweb**), select the Web application for the Global Services Framework application.
21. Click **Modify**.
22. Click **Modify Disk Locations**.
23. Modify the disk location for the install images to point to the directory containing the new install images; these can be located under the **Web_tier** directory of the patch distribution. Make certain the old disk location of the install images is not present in the list of disk locations. The list of disk locations should continue to include paths to the files needed for connector solutions.
24. Click **Reinstall Solutions**.
25. Select the solutions starting with **Teamcenter 8.3 Global Services Framework** and click **OK**.
26. Click **OK** when the installation is complete.
27. Redeploy the new **tcgs.ear** file in your application server.

Upgrade the database

28. All process must run to completion before upgrading.
29. Navigate to the *tcgs-application-dir\webapp_root\database\db-of-your-choice* directory. For example:

```
...\\staging1\webapp_root\database\oracle
```
30. Open the **oracle_upgrade_tcgs_v80003.sql** file to upgrade from Teamcenter 8.3.0. Update the values as necessary to execute within your Oracle environment. For example, replace **TABLESPACE USERS** with the tablespace of your choice.
31. Run **oracle_upgrade_tcgs_v80003.sql** against the **tcgs** database. Because no changes were made to the Global Services Framework datastore, all previous configuration files should remain intact.

Install Global Services 8.3.0.1 from scratch and install from TEM

- Update or replace **insweb/tcweb** solution JAR files:
From the tc8.3.0.1 patch media, copy **Web-tier\ugs_globalservices_*.jar** to the corresponding directory in the 8.3.0.0 installer location.
- Update or replace the database install files.
From the tc8.3.0.1 patch media, copy **tcldb_scripts\database-of-your-choice*tcgs*.sql.template** to the corresponding directory in the 8.3.0.0 installer location.
- Follow the installation steps using the TEM installer as documented in Teamcenter 8.3 install documentation.

Install Global Services 8.3.0.1 from scratch using only Teamcenter Web Application Manager

1. Install the Teamcenter Web Application Manager **insweb/tcweb**.
2. Run the **TC_WEB** executable to unpack the contents.
3. Navigate to the Web Application Manager directory and run **insweb**.
4. Click on **Copy ICDs**.
5. Select the **Web_tier/icd**.

- Click **OK** to copy the **icd** files to the Web Application Manager **install** directory.

Create the Teamcenter 8.3 Global Services Framework - Application Directory

- From the Web Application Manager, click **Add**.
- Fill in the blanks as appropriate:

Field	Description
Name	Keep default or change to the Global Services Framework Application Directory.
Staging Location	Keep default or change to your own location. Remember this location.
Add Disk Locations for Install Images	Add the location of the Web_tier directory to this list.
Solutions	Select only Teamcenter 8.3 Global Services Framework - Application Directory.

- Click **OK** to install the Global Services Framework Application Directory in the directory specified in the staging location.

Create the database tables

- Select the database of your choice. Prepare for write access to it. Record the connection information for use when configuring Teamcenter Global Services.
- Navigate to the **webapp_root\database\database-of-your-choice** under the staging location you specified when creating the Teamcenter 8.3 Global Services Framework - Application Directory. For example, **...\staging1\webapp_root\database\oracle**.
- Open the create script (for example, **oracle_create_tcgs.sql**) file to create the tables used by Global Services Framework.
- Update values within the script as necessary to execute within your database environment. For example, replace the **USERS**, **GLOBALSERVICES_TS**, **TcGSGrp1** tablespace entries with the name of the tablespace appropriate for your installation.
- Run **oracle_upgrade_tcgs_v80003.sql** against the **tcgs** database.

Create the Teamcenter 8.3 Global Services Framework ODE Enterprise Application

- From the Web Application Manager, click **Add**.
- Fill in the blanks as appropriate.

Field	Description
Name	Keep default or change to the Global Services ODE.
Staging Location	Keep default or change to your own location. Remember this location.
Advanced Web Application Options	Change the deployable file name to tcgs-ode and click OK .
Add Disk Locations for Install Images	Add the location of the Web_tier directory to this list.
Solutions	Select only Teamcenter 8.3 Global Services Framework - ODE BPEL Enterprise Application.

- Click **OK**.

4. Using the **Modify Required Context Parameters** dialog box, accept the default values or change the values to the appropriate value.
5. Click **OK** to generate the Global Services Framework - ODE BPEL Enterprise Application.. The generated EAR file is under deployment under the directory specified for the staging location.
6. Deploy the generated EAR file in the application server. For information on configuring the application server for **tcgs**, see the documentation distributed with Teamcenter 8.3.0.

Create the Teamcenter 8.3 Global Services Framework Enterprise Application (ear file)

1. From the Web Application Manager, click **Add**.
2. Fill in the blanks as appropriate.

Field	Description
Name	Keep default or Global Services Framework Application Directory.
Staging Location	Keep default or change to your own location. Remember this location.
Advanced Web Application Options	Change the deployable file name to tcgs and click OK .
Add Disk Locations for Install Images	Add the location of the Web_tier directory to this list.
Solutions	Select the Teamcenter 8.3 Global Services Framework solutions needed for your solution.

3. Click **OK**.
4. Using the **Modify Required Context Parameters** dialog box, accept the default values and/or change the values to the appropriate values.
5. Click **OK** to generate the Global Services Framework EAR file. The generated EAR file is under deployment under the directory specified for the staging location.
6. Deploy the generated EAR file in the application server. For information on configuring the application server for **tcgs**, see the documentation distributed with Teamcenter 8.3.0.

Configuring and Customizing Teamcenter 8.3 Global Services Framework

For information on customizing and configuring Global Services, see the documentation distributed with Teamcenter 8.3.0.

Title **Apply variants using Variant Configuration in GMO thin client not working**

PR Number **6427196**

Release **2007.1.3**

Problem

In the thin client **Variant Configuration** dialog box, selecting a value for a variant option and clicking **Apply** or **OK** does not make the corresponding change to the structure.

How to work around or avoid

Click the **Apply** button a second time for the structure to update correctly.

Title **make_user utility supports nationality, geography, and additional person attributes**

PR Number **6605385**

Release **Tc8.3.3**

Problem

The **make_user** utility needs to support **nationality**, **geography**, **ip_clearance**, **gov_clearance**, all person attributes, group member admin status, and group member status.

How to work around or avoid

The following has been added to the **make_user** utility:

- Support for geography and nationality, government clearance, and intellectual property (IP) clearance are used when you create and modify users.
- Support for detailed person information is used when you create and modify persons.
- A person's detailed information includes: address, city, state, zip code, country, organization, GID (group ID), mail code, e-mail, and phone number.
- Support for group member status and admin flag while assigning a new user to a group.

The **make_user** utility allows you to specify the user's group member status and group admin flag while it assigns a new user to a given group. Use the **-gm_status** option to specify group member status.

- To rename a person, use the **-rename** option.

old-person-name | | | rename | new-person-name | update

- Random password generation (UNIX-only)

Random password generation is only available when using the import file on UNIX. In the imported file, the password field is represented as \$GEN\$ or \$gen\$. The generated passwords are displayed on the console.

The **make_user** utility is updated:

```
make_user [-u=user-id] {-p=password | -pf=password-file} -g=group]
[-update] -user=user-id [-password=password] [-OSuser=name]
-person=name] [-status=0|1] [-defaultgroup=default-group]
[-group=group-name] [-parent=parent] [-privilege=0|1]
[-description=description] [-security=security] [-defaultrole=default-role]
[-defaultvolume=default-volume] [-defaultlocalvolume=default-local-volume]
[-role=name] [-rename=user-id|group-name|role-name|person-name] [-os] [-volume=name]
[-node=name] [-path=name] [-file=file]
```

```

[-fscpath=fsc-volume-path] [-fscid=fsc-ID]
[-filestoregroupid=filestore-group-ID] [-loadbalancerid=load-balancer-ID]
[-licenselevel= author | consumer | occasionaluser] [-nationality=nationality]
[-geography=geography]
[-ip_clearance=ip_clearance] [-gov_clearance=government_clearance]
[-PA1=person-PA1-attribute(address OOTB)]
[-PA2=person-PA2-attribute(city OOTB)]
[-PA3=person-PA3-attribute(state OOTB)]
[-PA4=person-PA4-attribute(zip code OOTB)]
[-PA5=person-PA5-attribute(country OOTB)]
[-PA6=person-PA6-attribute(organization OOTB)]
[-PA7=person-PA7-attribute(GID OOTB)]
[-PA8=person-PA8-attribute(mail code OOTB)]
[-PA9=person-PA9-attribute(e-mail address OOTB)]
[-PA10=person-PA10-attribute(phone number OOTB)]
[-ga=0|1|false|true] [-gm_status=0|1|false|true]
[-v] [-datasource=0|1|2] [-h]

```

Following is a description of the new options:

-rename

Specifies a new name for an existing user, group, role, or person.

-nationality

Specifies the nationality of the user.

-geography

Specifies the geographical location of the user.

-ip_clearance

Specifies the intellectual property (IP) clearance level of the user. This is the level of access the user has to sensitive (classified) information.

-gov_clearance

Specifies the level of clearance the user has to classified data.

-PA1

Specifies the person attribute: address.

-PA2

Specifies the person attribute: city.

-PA3

Specifies the person attribute: state.

-PA4

Specifies the person attribute: zip code.

-PA5

Specifies the person attribute: country.

-PA6

Specifies the person attribute: organization.

-PA7

Specifies the person attribute: GID (group ID).

-PA8

Specifies the person attribute: mail code.

-PA9

Specifies the person attribute: e-mail address.

-PA10

Specifies the person attribute: phone number.

-ga

Specifies the group member admin privilege. If the user is an administrator, set this value to either **1** or **true**. If the user is not an administrator, set this value to either **0** or **false**.

-gm_status

Specifies the group member status. If the group member is inactive, set this value to either **1** or **true**. If the group member is active, set this value to either **0** or **false**.

CLOSED PROBLEM REPORTS

For a listing of the closed problem reports, refer to the **readme.xls** file located in the **Tc8.3.2.1_pub.zip** file.

Global Technical Access Center (GTAC)

To report any serious problems about this product, please contact the Global Technical Access Center:

- Phone:
 - United States and Canada: (800) 955-0000 or (714) 952-5444
 - Outside the United States and Canada: Contact your local support office.
- Web:
 - You can also log incident reports on the Web at:
<http://support.industrysoftware.automation.siemens.com/certification/teamcenter.shtml>