



TEAMCENTER

Aerospace and Defense — Deployment and Administration

Teamcenter 2312

SIEMENS

Unpublished work. © 2023 Siemens

This Documentation contains trade secrets or otherwise confidential information owned by Siemens Industry Software Inc. or its affiliates (collectively, "Siemens"), or its licensors. Access to and use of this Documentation is strictly limited as set forth in Customer's applicable agreement(s) with Siemens. This Documentation may not be copied, distributed, or otherwise disclosed by Customer without the express written permission of Siemens, and may not be used in any way not expressly authorized by Siemens.

This Documentation is for information and instruction purposes. Siemens reserves the right to make changes in specifications and other information contained in this Documentation without prior notice, and the reader should, in all cases, consult Siemens to determine whether any changes have been made.

No representation or other affirmation of fact contained in this Documentation shall be deemed to be a warranty or give rise to any liability of Siemens whatsoever.

If you have a signed license agreement with Siemens for the product with which this Documentation will be used, your use of this Documentation is subject to the scope of license and the software protection and security provisions of that agreement. If you do not have such a signed license agreement, your use is subject to the Siemens Universal Customer Agreement, which may be viewed at <https://www.sw.siemens.com/en-US/sw-terms/base/uca/>, as supplemented by the product specific terms which may be viewed at <https://www.sw.siemens.com/en-US/sw-terms/supplements/>.

SIEMENS MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY. SIEMENS SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, LOST DATA OR PROFITS, EVEN IF SUCH DAMAGES WERE FORESEEABLE, ARISING OUT OF OR RELATED TO THIS DOCUMENTATION OR THE INFORMATION CONTAINED IN IT, EVEN IF SIEMENS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

TRADEMARKS: The trademarks, logos, and service marks (collectively, "Marks") used herein are the property of Siemens or other parties. No one is permitted to use these Marks without the prior written consent of Siemens or the owner of the Marks, as applicable. The use herein of third party Marks is not an attempt to indicate Siemens as a source of a product, but is intended to indicate a product from, or associated with, a particular third party. A list of Siemens' Marks may be viewed at: www.plm.automation.siemens.com/global/en/legal/trademarks.html. The registered trademark Linux® is used pursuant to a sublicense from LMI, the exclusive licensee of Linus Torvalds, owner of the mark on a world-wide basis.

About Siemens Digital Industries Software

Siemens Digital Industries Software is a global leader in the growing field of product lifecycle management (PLM), manufacturing operations management (MOM), and electronic design automation (EDA) software, hardware, and services. Siemens works with more than 100,000 customers, leading the digitalization of their planning and manufacturing processes. At Siemens Digital Industries Software, we blur the boundaries between industry domains by integrating the virtual and physical, hardware and software, design and manufacturing worlds. With the rapid pace of innovation, digitalization is no longer tomorrow's idea. We take what the future promises tomorrow and make it real for our customers today. Where today meets tomorrow. Our culture encourages creativity, welcomes fresh thinking and focuses on growth, so our people, our business, and our customers can achieve their full potential.

Support Center: support.sw.siemens.com

Send Feedback on Documentation: support.sw.siemens.com/doc_feedback_form

Contents

Overview of Teamcenter Aerospace and Defense 1-1

Installing Aerospace and Defense

| | |
|---|-----|
| Install Aerospace and Defense | 2-1 |
| Install Aerospace and Defense on Active Workspace | 2-2 |

Configuring Aerospace and Defense

| | |
|--|------|
| Assign an owning organization for an object | 3-1 |
| Enable indexing | 3-1 |
| Configuring part management | 3-1 |
| Configure a source document for a document-centric program | 3-1 |
| Assign roles to users for working with Aerospace and Defense | 3-3 |
| Configure standard parts and preferred standard parts | 3-3 |
| Configure standard notes | 3-4 |
| Configure custom notes | 3-6 |
| Configure a single notes section for items in Active Workspace | 3-8 |
| Configuring CAGE codes and company locations | 3-9 |
| Configure creating CAGE codes for a company location | 3-9 |
| Assign a company location to users and groups | 3-11 |
| Configure adding finishes to item revisions | 3-13 |
| Configuring contract data management | 3-14 |
| Configure attaching a DRI or its revision to a contract | 3-14 |
| Configure attaching a submittal or its revision to a submittal task | 3-14 |
| Configuring a Multi-Site Collaboration environment | 3-15 |
| Overview of configuring the Multi-Site Collaboration environment | 3-15 |
| Configure a multisite collaboration environment to support data exchange | 3-15 |



1. Overview of Teamcenter Aerospace and Defense

The Aerospace and Defense solution provides data model extensions and features that you access through standard Teamcenter applications, such as My Teamcenter, Change Manager, Schedule Manager, and Structure Manager. The solution provides multiple industry-specific features that enable you to:

- Execute complex document-centric or part-centric development programs.
- Manage parts lists and standard parts.
- Use standard and custom notes to provide additional design details about parts and documents.
- Manage the program life cycle and its data, including program requirements, deliverable schedules, and related changes.
- Protect intellectual property and national security while promoting collaboration.

In addition, you can extend the Teamcenter Aerospace and Defense solution with other Teamcenter optional modules.

2. Installing Aerospace and Defense

Install Aerospace and Defense

Install the Teamcenter Aerospace and Defense solution using Teamcenter Environment Manager.

Prerequisites

Teamcenter Vendor Management on Rich Client — Usage is a prerequisite for installing the Aerospace and Defense solution.

You must have administrator privileges to configure the solution.

To install Aerospace and Defense:

1. In Teamcenter Environment Manager, select the appropriate options until you reach the **Features** panel.
2. In the **Features** panel, expand the **Extensions** navigation tree.
3. Under **Supplier Relationship Management**, select **Vendor Management**.
4. Under Aerospace and Defense, select **Aerospace and Defense Foundation**
5. (Optional) Select **Aerospace and Defense Training**.

Select the **Aerospace and Defense Training** feature only if you want to install the default training program that is provided along with the **Aerospace and Defense Foundation** template. The training program is a template that includes a program and corresponding business rules, lists of values, and conditions that you can use as a basis for creating your own programs.

6. (Optional) Select **Aerospace and Defense Change Management**.

Aerospace and Defense Change Management is only enabled if you select **Change Management** under **Enterprise Knowledge Management**.

7. Choose the following under **Enterprise Knowledge Management**:

- (Optional) **Change Management**

The Teamcenter Change Management functionality enables you to initiate, administer, review, approve, and execute changes to your product throughout its life cycle.

- (Optional) **Contract Data Management**

Contract data management helps the contractor manage the creation, review, and delivery of data deliverables, such as the reports and documents that are required as a part of a contract.

- (Optional) **Finish Management**

Finish management helps designers create and manage finishes in Teamcenter.

- (Optional) **Stock Material**

This functionality helps manage stock materials in Teamcenter, performing actions like creating libraries of stock materials and assigning stock materials to parts.

- (Optional) **Work Package Management**

Install Aerospace and Defense on Active Workspace

Prerequisites

Before you install Aerospace and Defense on Active Workspace, you must:

1. Install the **Aerospace and Defense platform features**.
2. Install Active Workspace on the Teamcenter server that has the **Teamcenter Foundation** feature installed.

This makes Active Workspace features available for installation in Teamcenter Environment Manager (TEM).

For detailed instructions on installing or updating Active Workspace, refer to the Active Workspace *Deployment and Configuration* help.

Install Aerospace and Defense on Active Workspace

Select the following features under Active Workspace **Server Extensions** and Active Workspace **Client** features.

Active Workspace **Server Extensions** features are available in the **Features** panel under **Base Install→Active Workspace→Server Extensions**.

- **Vendor Management**
- **Workflow**
- (Enabled only after you select the earlier options) **Aerospace and Defense:**

- **Aerospace and Defense Foundation**
- (Optional) **Aerospace and Defense Change Management**
- (Optional) **Finish Management**

Installs finish management support for Active Workspace. A finish represents a finishing process on a part. It may be used to improve properties such as appearance, adhesion, corrosion resistance, tarnish resistance, chemical resistance, and wear resistance and remove burrs.

- (Optional) **Stock Material**

Installs stock material management support in Active Workspace for performing actions, such as using libraries of stock materials and assigning stock materials to parts.

- (Optional) **Contract Data Management**

Installs contract data management support in Active Workspace, which helps contractors manage the creation, review, and delivery of contracts. A *contract* is a structured procurement document that lists milestones and schedule dates.

- (Optional) **Work Package Management**

Installs work package management support in Active Workspace. A *work package* or *package* is a collection of CAD files and documentation that an outsourcing partner uses for building, testing, or maintaining a component or subassembly of a larger product. This package serves as a revisable collection or a container of product information and can be used in a variety of contexts.

Active Workspace **Client** features are available in the **Features** panel under **Base Install→Active Workspace→Client**.

- **Vendor Management**
- **Workflow**
- **Active Content**
- **Aerospace and Defense Foundation**
- (Optional) **Finish Management**
- (Optional) **Stock Material**
- (Optional) **Contract Data Management**
- (Optional) **Work Package Management**

3. Configuring Aerospace and Defense

Assign an owning organization for an object

Organizations provide an industry-compliant format for uniquely identifying entities. An organization can be an internal entity, such as a research and development organization, or an external entity, such as a supplier or customer. To create organizations, create groups using the Teamcenter Organization functionality.

Aerospace and Defense uses the **TcSetOwningOrganization** global constant and the **AutoAssignOwningOrg** business object constant to automatically set the owning organization for an object. You set the owning organization as the one corresponding to the logon group of the user.

The following example explains the setting of the **ADSPart** business object organization when the values of the **TcSetOwningOrganization** and **AutoAssignOwningOrg** constants are set to *true* or *false*.

| TcSetOwningOrganization | AutoAssignOwningOrg | Behavior |
|-------------------------|---------------------|---|
| true | true | Automatic setting of owning organization for ADS part types is enabled. |
| true | false | The owning organization is not set for the ADS part type. |
| false | true | The owning organization is not set for ADS part types because the system does not mandate that the owning organization for business objects be set automatically. |

Enable indexing

To enable indexing, ensure that the indexing user must have read access to object data, datasets, and their associated files to index their text content.

Configuring part management

Configure a source document for a document-centric program

In Aerospace and Defense, programs can be document centric or part centric. A document-centric program requires that you create a source document before you create an ADS object, such as a part, design, or drawing. By default, a technical document is used as the source document. However, you can configure Teamcenter Aerospace and Defense to select a custom type of document as a source document.

Additionally, document-centric programs are conditional. You must add the program name to the **Ads0IsDocumentCentric** condition in Business Modeler IDE to make it document centric.

Example:

```
u.project_name="ProgramLH" or u.group_name="Engineering"
```

Here, *ProgramLH* is the name of the program.

To specify a custom document type as a source document

1. In Business Modeler IDE, create a custom document type, for example, *Ads0Email* of type *Email*.
2. In Business Modeler IDE, open the part, design, or drawing (ADSPart, ADSDesign, ADSDrawing) for which you want to add a custom document type.
 - a. Click the **Main** tab.
 - b. In the **Business Object Constants** tab, set the value of the **AdsAllowAttachingDocTypesToADSObjs** business object constant to the custom document type that you created.

Example:

Consider you want to add *Ads0Email* as a source document for a part. Open *ADSPart* in Business Modeler IDE and in the **Business Object Constants** tab, add *AdsEmail* to the **AdsAllowAttachingDocTypesToADSObjs** constant.

3. For the **DocumentRevision** object, create the same Generic Relationship Manager (GRM) rules that are available for the **ADSTechDocumentRevision** object. The **DocumentRevision** object is the parent of the custom document type.

For example, for the part object:

- a. In BMIDE, open the **DocumentRevision** object.
- b. In the **GRM Rules** tab, add a GRM rule with the following options:

| Field name | Value |
|-------------------------|---|
| Secondary Object | AdsPart Revision |
| Relation Object | ADS_Lists_PartRevisions |
| Condition | Select an appropriate condition, for example, <i>isTrue</i> . |

Ensure that the **Primary** and **Secondary** columns contain the same objects for each rule as the ones for the **ADSTechDocumentRevision** object.

| Primary | Secondary | Relation |
|--------------------------|---------------------|----------------------------|
| ADSTechDocument Revision | ADSDrawing Revision | ADS_Lists_DrawingRevisions |
| ADSTechDocument Revision | ADSDesign Revision | ADS_Lists_PartRevisions |
| ADSTechDocument Revision | ADSPart Revision | ADS_Lists_PartRevisions |
| ADSTechDocument Revision | ADSDesign | ADS_Lists_Parts |
| ADSTechDocument Revision | ADSPart | ADS_Lists_Parts |

- Set the value of the **ADSTechDocument_subtype_autocreate** preference as the name of the custom document type.

For example, set the value of **ADSTechDocument_subtype_autocreate** as *AdsOEmail*.

Assign roles to users for working with Aerospace and Defense

You must grant relevant authorization to users to create, revise, and save Aerospace and Defense business objects. Authority is based on your user's current role. When this user creates or revises a technical document, part, design, or drawing, Teamcenter compares the user's role to the roles defined in the authority list of values (LOV) that applies to the object being created or revised. If the role is defined in the LOV, the user is granted the permission to create or revise the object.

Using Business Modeler IDE and LOVs, you can specify the user roles that can create, revise, and save Aerospace and Defense business objects, such as **ADSTechDocument**, **ADSPart**, **ADSDesign**, **ADSDrawing**, and **Ads0StdNote**.

By default, the value of these LOVs is an asterisk (*), indicating that all user roles can create or revise Aerospace and Defense objects.

The following table lists the LOVs that you can update for specific business objects.

| For business object | Update LOV |
|-------------------------------------|--|
| ADSTechDocument | ADSTechDocAuthority |
| ADSPart and ADSDesign | ADSCoponentAuthority |
| ADSDrawing | ADSDrawingAuthority |
| Ads0StdNote | Ads0CreateStandardNoteAuthority |

Configure standard parts and preferred standard parts

Standard parts are parts that may be used across multiple programs and whose design is controlled by a standard specification.

The Engineering Standards group creates and maintains a library of standard parts to be used by designers.

Configure objects to be used as standard parts

By default, the commercial part business object (provided by the vendor management template) is configured as a standard part in the Aerospace and Defense Foundation template.

You can configure an object to be used as a standard part by adding the object name to the **TCProgramPreferredTypes** LOV.

Enable standard parts to be used as preferred parts for a program

To enable a standard part as a preferred part of a program, use GRM rules to set the **TC_Program_PREFERRED_Items** relation between the standard part and the program.

When creating the GRM rule, add the following information to the **GRM Rule** dialog box.

| Field name | Value |
|------------------|--|
| Primary Object | TC_Project |
| Secondary Object | The object to be used as the preferred standard part |
| Relation Object | TC_Program_PREFERRED_Items |

Enable a program to use preferred standard parts

Update the **TCProgramsUsingPreferredTypes** LOV with the name of the program that must use preferred standard parts in their assemblies.

Configure standard notes

In Aerospace and Defense, standard notes are parametric variable values established by the Standards Engineering group to conform to the design practices of a program. Designers apply these to multiple parts and documents. Standard notes are often categorized and maintained in a library. Design engineers associate these notes with items, such as parts, technical documents, designs, and drawings.

You can perform the following configurations for standard notes:

Configure who can create standard notes

By default, standard notes and parametric requirements can be created by any user. You can specify the roles that are allowed to create notes and requirements and then specify access privileges based on these roles.

To specify the roles that are allowed to create standard notes and parametric requirements, add the roles to the **Ads0CreateStandardNoteAuthority** list of values. You can then grant access privileges based on the roles.

Set the delimiter that separates parameters in a standard note text

A standard note contains both text and parameters and also contains applicable values for the parameters in the following syntax:

*text [parameter name: parametric value1 delimiter parametric value2 delimiter
parametric value n]*

Example:

Quench in oil from [Temperature: 400, 500, 600] C and hold for [Time: 5, 10, 15] min

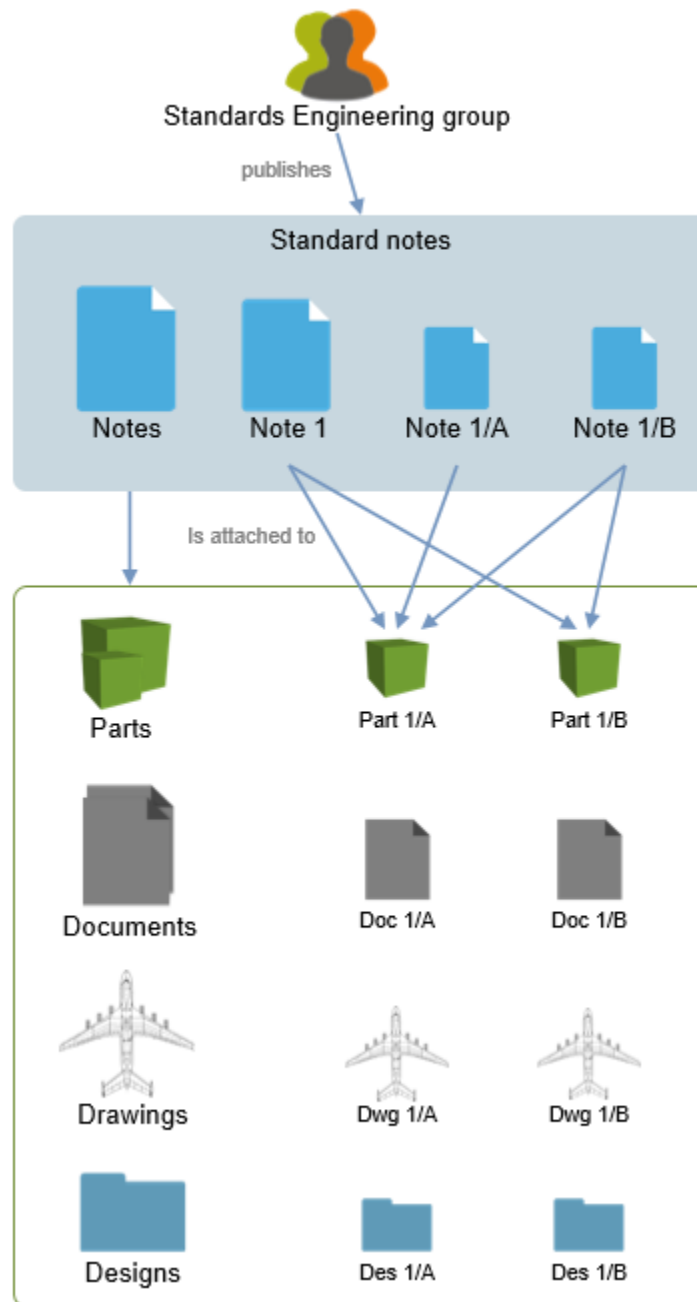
The default delimiter for parameters in the note text is a comma (,). To change this delimiter, add the appropriate delimiter to the **Fnd0ParamReqDelimiter** global constant.

Enable multiple revisions of a standard note to be attached to items or item revisions

By default, only a single revision of a standard note can be attached to an item or item revision.

You can enable multiple revisions of the same standard note to be attached to an item or item revision or attach both the master and the revision of the standard note to an item or item revision.

| Settings | Resultant action |
|--|--|
| AWC_Ads1AllowedAddNotesTypes preference is set to <i>Ads0StdNote, Ads0StdNoteRevision</i> | You can attach both the master and the revision of the standard note to an item. |
| AllowMultipleRevisionsofStdNotes global constant is set to <i>true</i> | You can attach multiple revisions of a standard note to an item. |



Configure custom notes

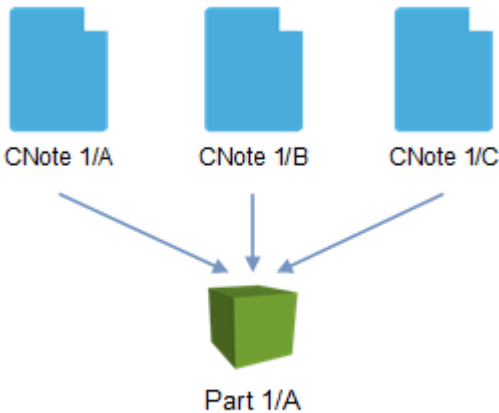
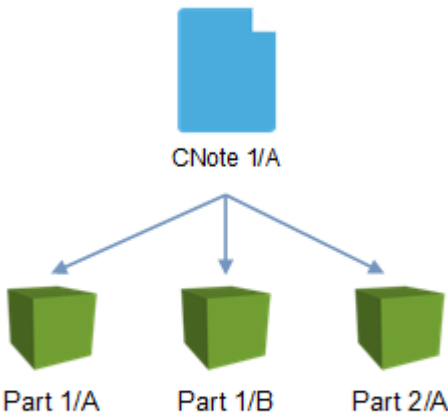
Custom notes contain data that is unique to a part or a document. A designer responsible for a technical document or part can create a custom note.

You can configure the following behavior for custom notes:

Enable multiple revisions of a custom note to be attached to items or item revisions

By default, you can attach a custom note only to a single item or revision of the same item.

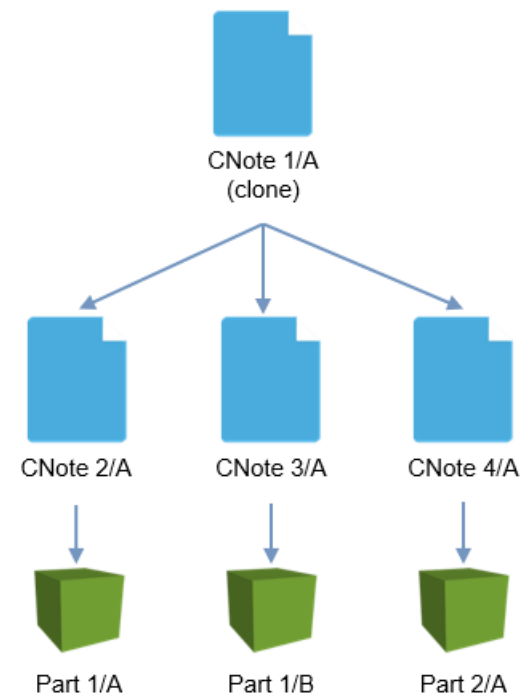
Set the following global constants and preferences to attach the same custom note to multiple parts or items or their revisions.

| Settings | Resultant action |
|---|---|
| The Fnd0AllowMultiRevOfCustomNote global constant is set to <i>true</i> | <p>You can attach multiple revisions of a custom note to a part revision.</p>  <p><i>If Fnd0AllowMultiRevOfCustomNote = true</i></p> |
| The Fnd0AttachCustomNoteToMultilItems global constant is set to <i>false</i> | <p>You can attach an existing custom note to multiple parts or item revisions.</p>  <p><i>If Fnd0AttachCustomNoteToMultilItems = true</i></p> |
| The Fnd0AttachCustomNoteToMultilItems global constant is set to <i>false</i> | <p>You can reuse (clone) an existing custom note and attach it to another part or document.</p> |

Settings

and

The **Allow_Custom_Note_Cloning** preference set to *true*

Resultant action

Global constant (Fnd0AttachCustomNoteToMultiltems) = false
Preference (Allow_Custom_Note_Cloning) = true

Configure a single notes section for items in Active Workspace

You can configure a single *Notes* section for both standard notes and custom notes in Active Workspace:

1. Set the value of the **AWC_Ads1AllowedAddNotesTypes** preference to specify both standard and custom note revisions.

Example:

Set **AWC_Ads1AllowedAddNotesTypes** to **Ads0StdNoteRevision,Ads0CustomNoteRevision**.

2. Add **Fnd0ListsCustomNotes.Ads0CustomNoteRevision** to the **objectSet** attribute in the style sheet that you use to configure object sets.

```
<objectSet source="Fnd0ListsParamReqments.Ads0StdNote,
Fnd0ListsParamReqments.Ads0StdNoteRevision,
Fnd0ListsParamReqments.Fnd0ParamReqOcc,
Fnd0ListsParamReqments.Ads0CustomNoteRevision"
defaultdisplay="tableDisplay" sortdirection="descending">
```

Note:

The *Ads1OnlyNotesSection.xml* sample style sheet is available in %TC-DATA%\xrts folder.

3. By default, Aerospace and Defense supports standard notes and their revisions. Adding **Fnd0ListsCustomNotes.Ads0CustomNoteRevision** enables support for custom note revisions.

(Optional) If you also want to support adding custom notes in the *Notes* section, you need to add a Generic Relationship Manager (GRM) rule. To do this:

- a. In BMIDE, open the **ItemRevision** object.
- b. In the **GRM** rules tab, add a GRM rule with the following options:

| Field name | Value |
|-------------------------|---|
| Secondary Object | Ads0CustomNote |
| Relation Object | Fnd0ListsParamReqments |
| Condition | Select an appropriate condition, for example, <i>isTrue</i> . |

4. Add **Fnd0ListsCustomNotes.Ads0CustomNote** to the `objectSet` attribute in the style sheet that you use to configure object sets.

```
<objectSet source="Fnd0ListsParamReqments.Ads0StdNote,
Fnd0ListsParamReqments.Ads0StdNoteRevision,
Fnd0ListsParamReqments.Fnd0ParamReqOcc,
Fnd0ListsParamReqments.Ads0CustomNoteRevision,
,Fnd0ListsCustomNotes.Ads0CustomNote"
defaultdisplay="tableDisplay" sortdirection="descending">
```

Configuring CAGE codes and company locations

Configure creating CAGE codes for a company location

A Commercial And Government Entity (CAGE) code is a unique identifier assigned to suppliers and to government or defense agencies by the Defense Logistics Agency (DLA), a combat support agency in the United States Department of Defense. A CAGE code is a standardized method of identifying a facility at a specific location. This reference helps identify the supplier for a part.

Perform the following configurations for creating and managing CAGE codes:

Set business constants

Set the following global constants using Business Modeler IDE to regulate the creation of CAGE codes:

Fnd0MaintainUniqueLocationCode

Maintains a unique CAGE code for each company location. This is used when an end user creates a new **CompanyLocation** business object and must enter a CAGE code in the **Company Location** field.

| Value | Description |
|------------------------|--|
| false (default) | The system creates the new company location with the entered CAGE code. |
| true | <p>The system checks if there is any other company location that exists with same CAGE code. If yes, the system displays an error message:</p> <pre>The Location Code already exists. Please choose different Location Code.</pre> <p>If no, the system creates the new company location with the entered CAGE code.</p> |

Fnd0AllowSuggestiveLocationCode

Determines whether an end user is allowed to enter a location code that does not exist for any company location when creating a new **CompanyLocation** business object.

| Value | Description |
|-----------------------|---|
| true (default) | <p>When a user enters a new CAGE code in the Company Location field, the following message is displayed:</p> <pre>The Location Code entered does not exist on any Company Location. Do you want to continue?</pre> <p>When the user clicks Yes, the new CAGE code is created and saved.</p> |
| false | <p>The end user must select from the list of existing CAGE codes. If they enter a new location code, the following message is displayed:</p> <pre>The Location Code entered does not exist on any Company Location. Please enter a valid Location Code.</pre> |

Fnd0DisplayLocationCodeLOV

Determines if the **Location Code** box in the **User Setting** field should be a text box or should display a list of values (LOV) with CAGE codes.

| Value | Description |
|------------------------|---|
| false (default) | Location Code is a text box. Users can enter a CAGE code or search for and select any existing CAGE code. |
| true | Location Code is an LOV. Users can select from only those CAGE codes that are assigned to them. |

Make CAGE codes visible

To make the CAGE code visible when an end user creates and edits items and item revisions, set the **fnd0OriginalLocationCode** attribute of the item or item revision using Business Modeler IDE. You can make the attribute visible and mandatory.

Hide the company location assign functionality

You can hide the **Assign Company Location** functionality from specified groups or roles using the Command Suppression feature.

Assign a company location to users and groups

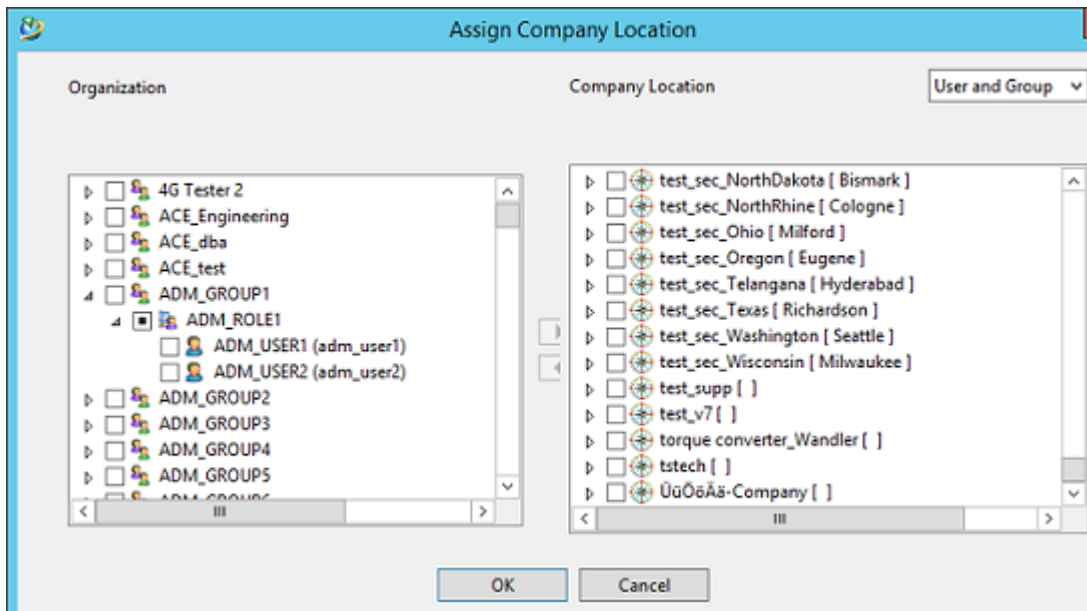
You must assign company locations to users and groups.

Note:

Ensure that you have created company locations first. For details on how to create a company location, see the *Vendor Management on Rich Client — Usage* help.

1. From My Teamcenter, choose **Tools→Assign Company Location**.

The **Assign Company Location** dialog box is displayed.



2. Select the appropriate groups or users from the **Organization** list.

To select users, expand the **Group** node and the **Role** node.

3. Select the company location to which you want to assign groups or users from the **Company Location** list.
4. Click the ➤ button to assign groups or users to the company locations.
5. In the **Select A Relation** dialog box, select one of the following relations.

| Relation | Description |
|-------------------------------------|---|
| True Company Affiliation | Choose this option if the groups or users assigned to the company location are employees. This relation specifies that a part is created internally. |
| Design Authority Affiliation | Choose this option if the groups or users assigned to the company location are Original Equipment Manufacturers or external entities. This relation specifies that a part is created by an external vendor. |

6. Click **OK**.

The **Assign Company Location** dialog box is displayed.

7. Click **OK**.

Groups and users are assigned to the company location.

8. To filter what you see in the **Company Location** list, select the following options from the list located at the top right of the **Assign Company Location** dialog box.

| Option | Description |
|----------------|--|
| User and Group | Shows both users and groups in the Company Location list. |
| Group | Shows only groups in the Company Location list. |
| User | Shows only users in the Company Location list. |

Note:

You can hide the **Assign Company Location** functionality from specified groups or roles using the Command Suppression feature.

If the default company location is not set, this functionality uses the following rules to set the default company location:

- If there are multiple company locations with *design authority* but only one company location with *true affiliation*, the company location with true affiliation is chosen.
- If there are multiple company locations with true affiliation, the first company location with true affiliation is chosen.
- If there is only one company location, this location is chosen irrespective of whether it is true affiliation or design authority.
- If there are multiple company locations with design authority but no company location with true affiliation, the default company location is not set.

Configure adding finishes to item revisions

A finish represents a finishing process on a part. It may be used to improve appearance, adhesion, and resistance to corrosives, tarnishing, chemicals, wear and tear, to remove burrs, and so on.

To configure finishes, update the values of the following preferences.

UsingAssignFinishDialog

| Value | Description |
|----------------|--|
| TRUE (default) | To make the Open by Name dialog box available when an end user chooses the Assign Finish command. |
| FALSE | To make the Classification Search dialog box available when an end user chooses the Assign Finish command. |

ItemRevision_DefaultChildProperties

- Set the value of the preference to **Fsh0FinishRel** to add the finish object as a child of an item revision.
- This preference along with the **ItemRevision_PseudoFolder** preference allows an end user to create the **Finishes** folder under an item revision.
- To add the finish as a child of other objects, update the respective child property preferences (*ObjectRevision_DefaultChildProperties*) of the objects. For example, to add the finish as a child of the part revision object, update the **PartRevision_DefaultChildProperties** preference with the value **Fsh0FinishRel**.

ItemRevision_PseudoFolder

- Set the value of the preference to **Fsh0FinishRel** to add the **Finishes** folder under an item revision.
- To add the **Finishes** folder to other objects, update the values of the folder preferences (*ObjectRevision_PseudoFolder*) of those respective objects. For example, set the value of the **PartRevision_PseudoFolder** preference to **Fsh0FinishRel** to add the **Finishes** folder under the part revision object.

Configuring contract data management

Configure attaching a DRI or its revision to a contract

You can attach a data requirement item (DRI) or its item revision to a contract. This is controlled using the preference **Cdm0AllowedDRIType**.

The default value of this preference is *Cdm0DataReqItem*. This attaches a DRI to a contract. To attach the item revision to the contract instead, modify the value of this preference to *Cdm0DataReqItemRevision*.

Configure attaching a submittal or its revision to a submittal task

You can attach a submittal or its item revision to a submittal task on generating a submittal delivery schedule. This is controlled using the preference **AttachSubmittalTypeRev**.

The default value of this preference is *false*. This attaches the submittal to a submittal task. To attach the submittal revision to a submittal task instead, modify the value of this preference to *true*.

Configuring a Multi-Site Collaboration environment

Overview of configuring the Multi-Site Collaboration environment

Multi-Site Collaboration helps to easily share product information across your entire enterprise by allowing exchange of Teamcenter data objects between databases. To do this, each database must be easily accessible using TCP/IP, either over the Internet or through your company intranet.

In Aerospace and Defense, when the data objects are exchanged between databases, ensure that the user who is initiating the data exchange is a member of the program whose objects are being exchanged. In addition, ensure that the user who belongs to the DBA group with DBA privileges in Teamcenter is running the Integrated Distributed Services Manager (IDSM) service.




Alternatively, you can use access rules for the program whose objects are being exchanged.

To exchange data objects, the owning group and the organization of the data object that is being exchanged must be defined at the remote site; that is, the group hierarchy at both the sites must be similar.



















Configure a multisite collaboration environment to support data exchange





Before you configure a multisite collaboration environment, ensure that you review *Considerations for importing and exporting project or program data in a Multi-Site Collaboration environment* in the Project and Program deliverable on Support Center.

Configure the **Is Owned By Program** rule to grant the privileges required to exchange data between databases in a Multi-Site Collaboration environment. The steps are as follows:

1. Start the Access Manager application.
2. Select the parent tree rule to add the new node to.
3. In the **Condition** box, select **Is Owned By Program**.
4. Leave the **Value** box blank.
5. In the **ACL Name** box, type the ACL name.
6. Click the **Create** button  to the right of the **ACL Name** box.
7. Click the **Save** button  to the right of the **ACL Name** box.
8. Click **Add**  to add a new row to the access control entry (ACE) table.

9. Double-click the cell in the **Type of Accessor** column and select the accessor as **User**.
10. Double-click the cell in the **ID of Accessor** column and choose the ID of the user who installed Teamcenter.
11. Grant the search, import, export, publish, transfer in, and transfer out privileges as follows.

| |  |  |  |  |  |  |  |  |  |  |  |  |
|------|---|---|---|---|---|---|---|---|---|--|---|---|
| User | |  | | | | | |  |  |  |  |  |

12. Click **Save** .
13. Select the rule in the rule tree and place the rule between the **In Job (true)** and the **In Current Program (false)** access rules. You can use the **Move Up**  and **Move Down**  buttons on the toolbar to move the rule up or down the rule tree.
14. Click **Save** .