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Taxonomy Editor User Guide

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Chapter 1: Taxonomy Editor Guide

Welcome to the *Taxonomy Editor User Guide*. This guide describes how to use Taxonomy Editor as part of HPE Systinet.

This guide contains the following chapters:

- ["Taxonomy Editor" on page 6](#)
Provides an overview of the main features of Taxonomy Editor.
- ["Getting Started" on page 13](#)
Describes the installation of the main features and shows you how to create a taxonomy project.
- ["Managing Taxonomies" on page 18](#)
Explains how to create, download, edit, and compare taxonomies.
- ["Deploying Taxonomies" on page 26](#)
Shows how to publish taxonomies and build and deploy a Taxonomy Extension.
- ["Conflicts and Validation Issues" on page 29](#)
Shows how to resolve conflicts with taxonomies.
- ["Example: Creating and Publishing a Department Taxonomy" on page 31](#)
A walkthrough example of creating and deploying a new taxonomy.
- ["Keyboard Shortcuts" on page 33](#)
Keyboard shortcuts reference.
- ["Dialog Boxes Reference" on page 35](#)
Dialog box reference.
- ["Troubleshooting" on page 37](#)
Troubleshooting tips.

Chapter 2: Taxonomy Editor

HPE Systinet is a set of HPE Systinet Workbench features that enable you to manage taxonomies in HPE Systinet.

You can use Taxonomy Editor to create, modify, and delete taxonomies. You can also download taxonomies from, or upload them to, any number of HPE Systinet servers.

This chapter introduces Taxonomy Editor in the following sections:

- ["Overview" below](#)
- ["User Interface" on the next page](#)

Overview

Taxonomies are, in their simplest form, a visual representation of what your organization actually knows. A well-constructed, meaningful taxonomy enables users in your organization to quickly find the information they need to achieve their goals.

Taxonomy Editor enables you to organize and reorganize content easily, giving more flexibility for knowledge sharing in your organization

Use Taxonomy Editor to do the following:

1. **Create a Taxonomy Project.**

For details, see the following sections:

- ["Creating a Taxonomy Project" on page 13](#)
- ["Downloading Taxonomies from a Server" on page 15](#)
- ["Searching for Taxonomies" on page 15](#)

2. **Create and Manage Taxonomies.**

For details, see the following sections:

- ["Creating Taxonomies" on page 18](#)
- ["Editing Taxonomies" on page 19](#)

- ["Editing Categories" on page 20](#)
- ["Deleting and Restoring Taxonomies" on page 22](#)
- ["Comparing Taxonomy Files" on page 23](#)
- ["Updating Taxonomies from the Server" on page 24](#)
- ["Importing and Exporting Taxonomy Files" on page 24](#)

3. Publish taxonomies to an HPE Systinet server.

For details, see the following sections:

- ["Publishing Taxonomies" on page 26](#)
- ["Deploying Taxonomies" on page 26](#)

4. Check local validity and manage conflicts.

For details, see ["Conflicts and Validation Issues" on page 29](#).

User Interface

The default perspective is split into a number of sections, with menu options across the top.

The platform perspective consists of the following views:

- **Project Explorer**

The tree view of your taxonomy projects. For details, see ["Project Explorer" below](#).

- **Server Explorer**

The view listing HPE Systinet server connections to the HPE Systinet Workbench. For details, see ["Server Explorer" on page 9](#).

- **Editor**

The view showing the components of the taxonomy. For details, see ["Editor View" on page 9](#).

Project Explorer

Project Explorer contains a hierarchical list of projects, the taxonomies in each project, and the categories and subcategories of each taxonomy.

The Project Explorer contains additional context menu options enabling you to interact with a running HPE Systinet server. Right-click the project name or a particular assertion, and select **HPE Systinet** to view the options listed in the following tables:

Project Context Menu Options

Option	Function
Download Taxonomies	Import taxonomies from HPE Systinet. For details, see "Downloading Taxonomies from a Server" on page 15.
Upload to Server	Export taxonomies to the default HPE Systinet server. For details, see "Publishing Taxonomies" on page 26.
Update from Server	Update taxonomies from HPE Systinet. For details, see "Updating Taxonomies from the Server" on page 24.
Remove from Server	Delete taxonomies from HPE Systinet. For details, see "Deleting and Restoring Taxonomies" on page 22.
Upload To Other Server	Export taxonomies to a specified HPE Systinet server.
Build Extension	Create a taxonomy extension for HPE Systinet containing all the taxonomies in your project. For details, see "Building a Taxonomy Extension" on page 27.

Taxonomy Context Menu Options

Option	Function
Upload to Server	Export a taxonomy to the default HPE Systinet server. For details, see "Publishing Taxonomies" on page 26.
Update from Server	Update a taxonomy from HPE Systinet. For details, see "Updating Taxonomies from the Server" on page 24.
Remove from Server	Delete the taxonomy from HPE Systinet. For details, see "Deleting and Restoring Taxonomies" on page 22.
Upload To Other Server	Export a taxonomy to a specified HPE Systinet server.
Validate Data Consistency	Check the validity of the taxonomies. For details, see "Conflicts and Validation Issues" on page 29.
Show Taxonomy Usage	Find the artifacts that use the taxonomy for categorization. For details, see "Conflicts and Validation Issues" on page 29.
Compare With Latest From Server	Compares the selected taxonomy with the latest version on the server.
Build Extension	Create a taxonomy extension for HPE Systinet containing all the taxonomies in your project. For details, see "Building a Taxonomy Extension" on page 27.

Server Explorer

The Server Explorer displays the HPE Systinet servers connected to HPE Systinet Workbench. The functionality is shared by all the HPE Systinet Workbench editors.

Right-click a server in the Server Explorer to open the context menu described in the following table:

Server Explorer Context Menu Options

Option	Function
New Server	Add a server for downloading assertions and taxonomies (Assertion Editor, Taxonomy Editor, and Customization Editor).
Remove Server	Delete a server from the Server Explorer.
Download Taxonomy	Download a taxonomy from a server (Taxonomy Editor and Customization Editor).
Download Assertion	Download assertions from a platform server (Assertion Editor).
Download Report	Download reports from a reporting server (Report Editor).
Properties	View and edit the server name, URL, username, and password.

Editor View

The Editor pane is the main feature of the Taxonomy Editor UI.

The following are the tabs of Editor pane:

- **Overview Tab**

The Overview tab shows the components of the taxonomy.

The first section is General Information, where you can view and edit the following properties:

- **Name**

Name for the taxonomy. The content of the `name` element in the taxonomy's XML representation.

- **Taxonomy ID**

Identifier for the taxonomy, with the preceding `uddi:`. The value of `tModelKey` attribute in the taxonomy's XML representation.

- **Description**

Description of the taxonomy (optional).

The second section is Origin, which displays the following properties:

- **Resource URL**

REST interface URL enabling the published taxonomy to be viewed on the server.

- **Value Display Format**

This option allows you to change the display format of a value.

- **Categories Tab**

The Categories tab enables you to change the structure and properties of taxonomy categories.

You can use the Categories tab to do the following:

- ["Adding a Category" on page 20](#)
- ["Removing a Category" on page 21](#)
- ["Copying a Category" on page 21](#)
- ["Moving a Category" on page 22](#)

- **Advanced Tab**

The Advanced tab enables you to set properties used with UDDI.

It is divided into the following sections:

- **Compatibility**

Enables you to select one or more of the main UDDI structures for the taxonomy. For example, `businessEntity`, `businessService`, `bindingTemplate`, and `tModel`.

By default all the structure types are selected. This is required for the taxonomy to be integrated with the UDDI registry.

- **Categorization**

Enables you to select from the following taxonomy types:

- **categorization**

Tags the UDDI structure with additional information, such as identity, location, and description.
- **categorizationGroup**

Groups several categorizations into one logical category. For example, a **categorizationGroup** could be a geographical location comprised of two categorizations: longitude and latitude.

The **categorizationGroup** option is disabled if the taxonomy has any categories.
- **Identifiers**

Reference published information in businessEntities and tModels.
- **Relationships**

Defines the relationship between two businessEntities in Publisher Assertions.
- **Validation**

Sets whether or not the values in **keyedReferences** within the taxonomy are checked. The validation service can check the expected syntax of values. For example, a credit card number or an ISBN number.

Validation can be against Taxonomy Editor's internal validation service or against an external service.

To select an external validation service, do one of the following:

 - Enter the endpoint URL.
 - Leave **keyedReferences** unvalidated.
- **Reference**

Enables you to add a reference to a key type.
- **Value Type**

Enables you to Select a Value type for **keyValues**, using one of the following comparators:

 - **em-com.comparator.string**

keyValues are treated as string values. The maximum length is 255 characters.
 - **em-com.comparator.numeric**

keyValues are treated as decimal numbers. The value can have a maximum of 19 digits before the decimal point and a maximum of 6 digits after the decimal point.

- **em-com.comparator.date**

keyValues are treated as dates.

- **custom**

Endpoint URL of a custom comparator.

- **Source Tab**

The Source tab enables you to view and edit the XML representation of the taxonomy.

Chapter 3: Getting Started


This chapter describes the prerequisites for working with taxonomies in Taxonomy Editor. It contains the following sections:

- "Creating a Taxonomy Project" below
- "Customizing Taxonomy Editor" on the next page
- "Downloading Taxonomies from a Server" on page 15
- "Searching for Taxonomies" on page 15

Creating a Taxonomy Project

To work with taxonomies, you need a Taxonomy Project. You can create any number of Taxonomy Projects to help organize your work.

To Create a Taxonomy Project:

1. Do one of the following:
 - a. In the HPE Systinet Workbench Welcome page, click **Create Taxonomy Project**.
 - b. Click **New**  to open the Select a Wizard window, and select **HPE Systinet > Taxonomy Project**.
 - c. From the menu, select **File > New > Taxonomy Project**.
 - d. Press **Alt+Shift+N**, and then press **R**, to open the Select a Wizard window. Then select **HPE Systinet >Taxonomy Project**.

The New Taxonomy Project dialog box is displayed.

2. In the New Taxonomy Project dialog box, enter the following parameters:

Parameter	Definition
Project Name	The name of your assertion project.
Taxonomy ID Prefix	The URN prefix to apply to all taxonomies in the project.

Parameter	Definition
Create from Existing Extension	Select this option if you want to create a new project from a previous taxonomy extension. If selected, input the path or browse for the location of the taxonomy extension.
Use Default Location	If selected, Taxonomy Editor stores the project in your default workspace. Else, input the path or browse for an alternative workspace.

- Click **Next** to select or create a server.

Note: If no servers are currently defined, the dialog box continues to [Step 5](#).

- Do one of the following:
 - Select **Create a New Server**, and click **Next**. Go to [Step 5](#).
 - Select **Use an Existing Server**, select the server from the list and input its credentials, and then click **Next**. Go to [Step 6](#).
- In the New Server dialog box, add the required parameters, and then click **Next**.
- Select the taxonomies to download from the server. Optionally, select **Show System Taxonomies** to view system taxonomies for selection.
- Click **Finish**.

Customizing Taxonomy Editor

Some settings are customizable in Taxonomy Editor.

To Change Taxonomy Editor Preferences:

- Select **Window > Preferences**.

The Preferences dialog box is displayed.

- In the tree menu, select **HPE Systinet > Taxonomy Editor**.

- You can change the following:

- **Default taxonomy namespace**

The default namespace setting is 5.5. This defines taxonomy compatibility level with other UDDI products.

- **Data consistency**

Select **Validate before publishing taxonomies** to validate changes before publishing them to the server.

Downloading Taxonomies from a Server

Initially, Taxonomy Editor does not contain any taxonomies. To edit HPE Systinet taxonomies, you must download them from a server.

To Download Taxonomies from a Server:

1. In Server Explorer, right-click the server containing the taxonomies you need to open its context menu, and select **Download Taxonomies**.

The Download Taxonomies wizard is displayed.

2. Select the taxonomies to download and click **Next**.

The Choose Location dialog box is displayed.

3. Select the project to add the taxonomies and click **Finish**.

Taxonomy Editor displays the download progress. When the download is complete, the taxonomies are visible in Project Explorer.


Searching for Taxonomies

This section describes the search options provided by Taxonomy Editor. The Quick Find is the easiest way to find a taxonomy.

To use Quick Find:

1. You can either click **Search > Quick Jump** or press **Ctrl+J**.

The Find Taxonomy dialog box is displayed. For details, see ["Find Taxonomy Dialog" on page 36](#).

2. Enter search string in the input field.
3. Click **View Menu** , and then select one of the following options:
 - a. **Show in the tree without opening detail**

Shows the taxonomy in the tree but does not open its details page.

b. **Case-sensitive**

Enables a case-sensitive or case-insensitive search.

4. In the **in project** field, select the project to be searched for the taxonomy.

Taxonomies that match your search criteria are displayed in the Matching taxonomies pane.

5. Select the required taxonomy and click **Open taxonomy**.

The selected taxonomy is displayed in the Editor pane.

Use advanced search for detailed search. The advance search allows you to search:

- for a specific property type.
- according to a specific value of a property.
- different text strings: full text, regular expression, or whole word.

To Use Advanced Search:

1. You can either click **Search > Search** or press **Ctrl+H**.

The Search dialog box is displayed.

2. Select the **Taxonomy Search** tab to open the dialog box. For details, see "[Search Taxonomy Dialog](#)" on page 36.
3. In the **Containing text** field, either enter the search text or select from the previously searched text from the drop down list.
4. In **Search only in**, choose the taxonomy properties or categories to search.
5. In **Search controls**, select one or more of the following:
 - a. **Case-sensitive** - To perform a case-sensitive search.
 - b. **Whole words only** - To search for whole word matches.
 - c. **Regular expression** - To search using regular expressions.
6. In **Scope**, select one of the following:
 - a. **Workspace** - To search the Eclipse workspace.
 - b. **Selected resources** - To search all entities selected in Project Explorer.
 - c. **Working set** - To customized resources from Project Explorer.
7. Click **Choose**.

The Select Working Sets wizard is displayed.

8. Select from the existing working sets or create new working sets and then click **Search**.

The results are displayed in the Search view of the UI.

Chapter 4: Managing Taxonomies


The previous chapter helped us to create taxonomy project and download taxonomies from the server. This chapter describes how to manage taxonomies, as detailed in the following sections:

- "Creating Taxonomies" below
- "Editing Taxonomies" on the next page
- "Editing Categories" on page 20
- "Deleting and Restoring Taxonomies" on page 22
- "Comparing Taxonomy Files" on page 23
- "Updating Taxonomies from the Server" on page 24
- "Importing and Exporting Taxonomy Files" on page 24

Creating Taxonomies

This section describes to create new taxonomies.

To Create a New Taxonomy:

1. Do one of the following:
 - a. Click **New**  to open the Select a Wizard dialog box, and select **HPE Systinet > Taxonomy**, and then click **Next**.
 - b. Select **File > New > Taxonomy**.
 - c. Press **Alt+Shift+N** to open the context menu, and then select **Taxonomy**.

The New Taxonomy wizard is displayed.

2. In the New Taxonomy wizard, enter the required parameters.

Note: A default Taxonomy ID and Filename are based on the taxonomy name. By default, the **source folder** is assigned based on the active extension project. You can change these parameters to meet your requirements.

3. Click **Finish** to create the taxonomy.

The taxonomy is now visible in Project Explorer and the Taxonomy Editor is displayed.

4. Open the Categories tab and add the categories you need. For details, see ["Editing Categories" on the next page](#).
5. Open the Advanced tab and enter the required parameters, as described in ["Editor View" on page 9](#).

Editing Taxonomies

The property of a taxonomy can be modified in the following ways:

- ["Editing Taxonomy Properties" below](#)
- ["Refreshing Taxonomies to Reflect External Changes" below](#)
- ["Copying Taxonomies" on the next page](#)

Editing Taxonomy Properties

To Edit Taxonomy Properties:

1. Double-click the taxonomy in Project Explorer to open the Editor view.
2. Edit properties as required in the tabs of the Editor view. For details, see ["Editor View" on page 9](#).
3. Click **Save**.

The changed status of the taxonomy is displayed in Project Explorer.

Refreshing Taxonomies to Reflect External Changes

If you want the Editor to reflect changes made outside Taxonomy Editor, you can refresh the taxonomy.

To refresh a taxonomy, you can either right-click the individual taxonomies or the project in Project Explorer to open the context menu, and then select **Refresh**. Or press **F5** to refresh the taxonomy.

The selected taxonomies are then updated to reflect external changes.

Copying Taxonomies

You can copy or move taxonomies from one project to another using cut, copy, or paste.

To Copy or Move a Taxonomy to a Different Project:

1. Right-click the taxonomy in Project Explorer and select **Copy** or **Cut**.
2. Right-click the project to which you want to copy or move the taxonomies and select **Paste**.

The taxonomies are either copied or moved to the other project.

A pasted taxonomy has the following status:

1. **New** - If a taxonomy of that name is new to that location.
2. **Modified** - If an existing taxonomy is overwritten.

Editing Categories

The category of a taxonomy can be modified in the following ways:

- ["Adding a Category" below](#)
- ["Removing a Category" on the next page](#)
- ["Copying a Category" on the next page](#)
- ["Moving a Category" on page 22](#)

Adding a Category

To Add a New Category to a Taxonomy:

1. Open the required taxonomy in the Editor pane and click the **Categories** tab.
2. Do one of the following:
 - a. Click **Add Next** to add a new category at the same level.
 - b. Click **Add Child** to add a new sub-category.

The New Category wizard is displayed.

3. Enter the category properties, as follows:
 - **Name**

Name for the category. This represents the value of the **keyName** attribute in the taxonomy's XML representation.
 - **Value**

Identifier for the category. This represents the value of the **keyValue** attribute in the taxonomy's XML representation.
 - **Disabled**

Select this check box to make sure the category *cannot* be used in an artifact.
4. Click **Finish**.

The new category is displayed in **Category Structure**.

Removing a Category

To Remove a Category:

1. Open the required taxonomy in the Editor pane and click the **Categories** tab.
2. Right-click the category in the Category Structure pane to open its context menu, and select **Delete**.

The deleted category is no longer visible in the Category Structure pane.

Copying a Category

To Copy a Category:

1. Open the required taxonomy in the Editor pane and click the **Categories** tab.
2. Right-click the required source category in the Category Structure pane to open its context menu, and then select **Copy** or **Cut**.
3. Right-click the required destination category in the Category Structure pane to open its context menu.
4. Do one of the following:

- Select **Paste** to add the category as a sub-category.
- Select **Paste as Sibling** to add the category at the same level.

Moving a Category

To Move a Category:

1. Open the required taxonomy in the Editor pane and click the **Categories** tab.
2. Select the required category in the Category Structure pane.
3. Do one of the following:
 - a. Click **Up**, to move a category up.
 - b. Click **Down**, to move a category down.
 - c. Click **Unindent**, to move a category to the left.
 - d. Click **Indent**, to move a category to the right.

Note: To move multiple categories at the same time, you must select categories that are consecutive.

Deleting and Restoring Taxonomies

You can delete taxonomies and restore them from your local history.

To Delete a Local Taxonomy:

1. Right-click the taxonomy in Project Explorer to open its context menu, and then select **Delete**.
2. Confirm deletion of the taxonomy when prompted.

To Restore a Deleted Taxonomy:

1. Right-click the project in Project Explorer to open its context menu and select **Restore from Local History**.

The Restore from Local History dialog box is displayed.

2. Select the check box of the required taxonomy and click **Restore**.

3. Download the published taxonomy from the server, as described in "[Downloading Taxonomies from a Server](#)" on page 15.

To Delete a Taxonomy from the Server:

1. Right-click the taxonomy in Project Explorer to open its context menu and select **HPE Systinet > Remove from Server**.
2. Choose if you also want to delete the local copy.
3. Confirm deletion of the taxonomy when prompted.

Note: Taxonomy Editor automatically performs a data consistency check before removing the taxonomy from the server. For details, see "[Server Conflicts](#)" on page 29.

Comparing Taxonomy Files

If you are importing or exporting taxonomies between servers, it is essential to compare taxonomies to keep track of changes.

Taxonomy Editor enables you to compare the following taxonomies:

- Local taxonomy against the server taxonomy.
- Server taxonomy against a local history taxonomy.

To Compare Taxonomies:

1. Right-click the taxonomies you want to compare in Project Explorer to open a context menu, and then select one of the following:
 - a. **Compare With > Each Other**
 - b. **HPE Systinet > Compare with the latest on server**
 - c. **Compare With > Local History**

The results are displayed in the Compare view.

Updating Taxonomies from the Server

If the most current version of a taxonomy exists on a server, you can update your local copy to reflect any changes.

To Update a Local Taxonomy:

1. Right-click the taxonomy in Project Explorer to open the context menu, and then select **HPE Systinet > Update from Server**.

Note: Confirmation is required to overwrite existing taxonomies.

Importing and Exporting Taxonomy Files

You can import and export taxonomies between your projects and your local file system.

To Import a Taxonomy from your File System:

1. In Project Explorer, right-click the taxonomy project to which you want to import taxonomies to open its context menu, and then select **Import > Taxonomy**.

The Import Taxonomies wizard is displayed. For details, see ["Import Taxonomies" on page 35](#).

2. Browse for the folder from which you want to export taxonomies in the **Folder** field.

The selected folder is displayed in the left pane.

3. Click the check box of the chosen folder.

Compatible file types are displayed in the right pane.

4. Click the check box of the files you want to import and then browse for the required import folder in the **Into folder** field.

5. Click **Finish**.

6. Publish the taxonomies to an HPE Systinet repository, as described in ["Publishing Taxonomies" on page 26](#).

Tip: When importing a taxonomy from a file whose file name already exists in the local folder, Taxonomy Editor asks if you want to overwrite the taxonomy. If you click **Yes** or **Yes To All**, the current taxonomy is updated by attributes and *categories* from the XML file and its status is changed to modified.

To Export a Taxonomy:

1. Right-click the taxonomy in Project Explorer to open its context menu, and then select **Export** to open the Export wizard. For details, see "[Export Taxonomies Wizard](#)" on page 35.
2. Select the required file type and click **Next** to open the corresponding wizard.
3. Browse for the required destination and enter the required parameters.
4. Select whether to overwrite existing files.
5. Click **Finish**.

Note: You can export a taxonomy to any file type supported by Eclipse. For example:

- XML file
- JAR archive
- EAR-deployable or JAR-deployable archive

Chapter 5: Deploying Taxonomies

This chapter explains how to deploy a set of taxonomies as an Extension Project.

You can publish individual taxonomies as described in "[Publishing Taxonomies](#)" below.

Alternatively, create a taxonomy extension and deploy it as described in the following sections:

- "[Publishing Taxonomies](#)" below
- "[Building a Taxonomy Extension](#)" on the next page
- "[Redeploying the EAR File](#)" on the next page

Publishing Taxonomies

Publishing is the process of updating changes to an HPE Systinet server.

To Publish a Taxonomy:

1. Right-click the taxonomy in the Project Explorer to open its context menu, and then select **HPE Systinet> Upload to Server**. Multiple taxonomies may be selected by holding the **Ctrl** key.

The taxonomy is published to the defined HPE Systinet server.


Caution: You cannot publish a System taxonomy to a remote repository.

The status of a taxonomy after publishing updates as described in the following table:

Taxonomy Status After Publication

Status	Description	Impact
UP-TO-DATE	Local and server versions are identical.	Publication was successful, including any modifications.
NEW ?	Local version of the taxonomy has not been published to the server.	Publication was unsuccessful and the status is not changed. Publishing may not be successful due to one of the following reasons: <ul style="list-style-type: none">• Exception error.• Breach of server data integrity.
MODIFIED	Changes have been made to a	

Taxonomy Status After Publication, continued

Status	Description	Impact
>	local version of a taxonomy after it has been published.	
 SYSTEM	Taxonomies automatically generated by HPE Systinet. For system use only.	Changes to these taxonomies cannot be published.

Building a Taxonomy Extension

After publishing taxonomies, you can create a Taxonomy Extension.

To Build a Taxonomy Extension:

1. Right-click the taxonomy project in Project Explorer to open its context menu, and expand **HPE Systinet > Build Extension** to open the location browser.
2. Enter a name for the extension project and browse for the location you want to save the project to, and click **Save**.

All taxonomies from the selected taxonomy project are copied to the Taxonomy Extension.

Redeploying the EAR File

After using the Setup Tool to apply extensions or updates, you must redeploy the EAR file to the application server. For JBoss, you can do this using the Setup Tool.

To Redeploy the EAR file to JBoss:

1. Stop the application server.
2. Start the Setup Tool by executing the following command:
SYSTINET_HOME/bin/setup.bat(sh)
3. Select the **Advanced** scenario, and click **Next**.
4. Scroll down, select **Deployment**, and then click **Next**.

When the Setup Tool validates the existence of the JBoss Deployment folder, click **Next**.

5. Click **Finish** to close the Setup Tool.
6. Restart the application server.

Chapter 6: Conflicts and Validation Issues

Editing taxonomies can result in validation and conflict issues, as described in the following sections:

- "Local Validity" below
- "Server Conflicts" below
- "Repair Action" on the next page

Local Validity

By default, the validity of local taxonomies is constantly checked as you modify them. Invalid taxonomies are marked in Project Explorer and the associated errors are listed in the Problems view.

To disable validation, from the menu, deselect **Build automatically**.

Server Conflicts

A local taxonomy and the version on a server can come into conflict either when the version on the server is changed or when changes to the local version affect artifacts on the server.

Conflicts are displayed when you try to publish the taxonomy. An error message is displayed, stating that the taxonomy could not be published.

To help prevent conflicts, follow these steps:

1. Right-click the taxonomy in Project Explorer to open its context menu, and then select one of the following:
 - a. **HPE Systinet > Show Taxonomy Usage**

All artifacts categorized by the taxonomy are displayed in the Taxonomy Usage view.
 - b. Right-click the taxonomy in Project Explorer to open its context menu, and then select **HPE**

Systinet > Validate Data Consistency.

Conflicts are displayed in the Validation Results view.

Repair Action

The Data Consistency Check reports artifacts that use categories which no longer exist in the taxonomy project.

Taxonomy Editor features a Repair Action which enables you to resolve these inconsistencies.

To Repair an Inconsistency:

1. In the Validation Results view, expand the problem category, and right-click an artifact to open its context menu, then select either **Remove Referenced Category From Artifact** or **Change Category**.
2. Re-run validation.

Note: Some conflicts relate to the validity of policy and lifecycle data (non-standard artifacts). The repair actions cannot resolve these conflicts.

Chapter 7: Example: Creating and Publishing a Department Taxonomy

In this example, you create and deploy a new taxonomy containing the identities of departments in your organization.

Before you begin, ensure the following:

- Define your HPE Systinet server.
- Update the local taxonomies, as described in ["Updating Taxonomies from the Server" on page 24](#).

To Create a Department Taxonomy:

1. Create a new taxonomy, entering **Departments** as the Taxonomy Name.

For details of the procedure, see ["Creating Taxonomies" on page 18](#).

2. Open the Editor for the Departments taxonomy and select the **Categories** tab.

3. Add the following categories:

- HR
- IT
- Payroll
- Finance
- Sales
- Development
- QA

For details of the procedure, see ["Adding a Category" on page 20](#).

4. Press **Ctrl+S** to save the taxonomy.

The Departments taxonomy is now visible in Project Explorer.

5. Right-click the Departments taxonomy to open its context menu, and then select one of the following:

a. **HPE Systinet > Publish Taxonomy**

To publish the taxonomy to the defined HPE Systinet server.

b. **HPE Systinet > Publish To Other Server**

To publish the taxonomy to a different server.

Appendix A: Keyboard Shortcuts

Shortcut	Action	Context
Ctrl+Alt+S	Add HPE Systinet server.	Global
Ctrl+N	New taxonomy.	Global
Alt+A, Insert	Add next category.	Categories tab
Alt+C	Add child category.	Categories tab
Alt+U, Ctrl+UpArrow	Move category up.	Categories tab
Alt+D, Ctrl+DownArrow	Move category down.	Categories tab
Alt+E, Ctrl+LeftArrow	Move category left (unindent).	Categories tab
Alt+I, Ctrl+RightArrow	Move category right (indent).	Categories tab
F2	Navigate to Category Name field.	Categories tab
Esc	Ignore changes in current test field and switch to Category Structure.	Categories tab
Ctrl+PgDn	Switch to next editor tab.	Taxonomy Editor
Ctrl+PgUp	Switch to previous editor tab.	Taxonomy Editor
F12	Activate Editor.	Global
Ctrl+W, Ctrl+F4	Close current editor.	Global
Ctrl+Shift+W, Ctrl+Shift+F4	Close all editors.	Global
Ctrl+F6	Go to next editor.	Global
Ctrl+Shift+F6	Go to previous editor.	Global

Shortcut	Action	Context
Ctrl+Shift+E	Switch to editor.	Global
Ctrl+J	Quick find taxonomy.	Global
Ctrl+H	Search taxonomy or category.	Global
Alt+Shift+W	Show editing resource in Taxonomy Editor.	Global
F5	Refresh items.	Global
Ctrl+S	Save changes for active editor.	Global
Ctrl+Shift+S	Save changes for all editors.	Global
Ctrl+C, Ctrl+Insert	Copy	Global
Ctrl+X, Shift+Delete	Cut	Global
Delete	Delete	Global
Ctrl+V, shift+Insert	Paste	Global
Ctrl+Shift+L	Show key assist.	Global

Appendix B: Dialog Boxes Reference

Each Taxonomy Editor input dialog is described in the following sections:

- "Import Taxonomies" below
- "Export Taxonomies Wizard" below
- "Find Taxonomy Dialog" on the next page
- "Search Taxonomy Dialog" on the next page

Import Taxonomies

Select taxonomy files to import into your taxonomy project:

Parameter	Definition
Folder	Browse for the source folder containing the taxonomy files you want to import.
Left Pane	Select the source folder containing the taxonomy files you want to import.
Right Pane	Select the individual taxonomy files you want to import.
Into Folder	Browse for the destination folder into which you want to import the selected taxonomies.

Export Taxonomies Wizard

Select a destination for the taxonomies you want to export:

Parameter	Definition
Select an export destination	Enter text to filter your search.
Tree View	Select File System as your destination folder.

Select the taxonomies you want to export, then browse for the destination directory:

Parameter	Definition
Left Pane	Select the project from which you want to export taxonomies.
Right Pane	Select the individual taxonomies you want to export.
To Directory	Browse for and select the directory into which you want to export the selected taxonomies.

Find Taxonomy Dialog

A quick search for matching taxonomies:

Parameter	Definition
Top Field	Enter text to filter your search results.
Matching Taxonomies	A list of taxonomies matching your search request.
In Project	Select the project in which you want to search for taxonomies.

Search Taxonomy Dialog

An advanced search for matching taxonomies:

Parameter	Definition
Containing Text	Enter text to search or use the drop-down menu to select a previous search parameter.
Working Set	Browse and select a working set as a scope for your search.

Appendix C: Troubleshooting

Case	Indications	Resolution	Type	Severity
A taxonomy was changed on the remote server while you were modifying your local version.	Your local taxonomy is CONFLICTING. The local version cannot be published and its modifications are kept.	To replace the local taxonomy with the server version, use the taxonomy context action HPE Systinet > Update Taxonomy . You might want to first copy your local version to a temporary location.	Conflict	Error
A taxonomy was published that has the same file name as a new taxonomy and you are trying to publish to the remote server.	Taxonomy is CONFLICTING. The local version cannot be published. Changes to the local taxonomy and server remain in Project Explorer.	To replace the local taxonomy with the remote server version, use the taxonomy context action HPE Systinet > Update Taxonomy . You might want to first make a backup copy your local version.	Conflict	Error
The taxonomy you have created has the same ID as an existing taxonomy on the remote server	The local taxonomy cannot be published. Changes to the local taxonomy and server remain in Project Explorer. The Validation Results include a node giving the taxonomy ID.	Change the ID of the new taxonomy.	Validation Results	Error
You have changed the ID of a taxonomy used by artifacts.	The local taxonomy cannot be published and remains MODIFIED. The Validation Results list artifacts that use the taxonomy.	To restore the original taxonomy, use the taxonomy context action HPE Systinet > Update Taxonomy .	Validation Results	Error
A category that you modified is used by other artifacts.	The local taxonomy cannot be published and remains MODIFIED. Validation Results lists artifacts that use the category.	To restore the original taxonomy, use the taxonomy context action HPE Systinet > Update Taxonomy .	Validation Results	Error

Case	Indications	Resolution	Type	Severity
A new taxonomy ID is identical to that of another local taxonomy.	An error message for this taxonomy is shown.	Change taxonomy ID to another value.	Local Inconsistency	Error
Taxonomy ID format is invalid.	A warning message for this taxonomy is shown.	Change taxonomy ID to valid format.	Local Inconsistency	Warning
Category value is duplicated by another category in the same taxonomy.	An error message for this taxonomy is shown.	Change the category value.	Local Inconsistency	Error
Taxonomy file name contains invalid character for REST URL.	An error message for this taxonomy is shown.	Change file name so that it does not contain invalid character.	Local Inconsistency	Error