

Eclipse User Interface for CentraSite

Version 9.5 SP1

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Overview

This documentation is organized under the following headings:

Getting Started

Concepts

Tasks

Reference

I Getting Started

This section offers an introduction to the Eclipse-based graphical user interface (GUI) of CentraSite. It familiarizes you with the basic tasks of using the CentraSite Eclipse GUI.

About This User Guide

Introduction to CentraSite and its Eclipse GUI

Starting to Work with the CentraSite Eclipse GUI

CentraSite Perspectives

CentraSite Views

CentraSite Details Editor

Connecting to CentraSite

Changing Preference Settings

Working with Views, Editors and Perspectives

Exiting the CentraSite Eclipse GUI

1 About This User Guide

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This chapter describes the basic concepts of CentraSite's Eclipse-based graphical user interface (GUI). It also explains how to use the functions of the CentraSite Eclipse GUI.

This user guide addresses end users of CentraSite. Basic knowledge of using Microsoft Windows applications is required. The manual also assumes that you are familiar with the concepts of CentraSite and the Eclipse Workbench.

Notational Conventions

This user guide uses the following notational conventions:

| | |
|-------------------------------|--|
| Add | The names of graphical user interface elements like menu options are shown in bold case. |
| <code>init</code> | System names, for example command names, and text that is entered from the keyboard are shown in Courier font. |
| <code><variable></code> | Variables for which values must be entered are enclosed in angle brackets. |
| <code>[option]</code> | Optional items, for example optional command parameters, are enclosed in square brackets. |
| <code>one two</code> | Alternative entries are separated by a vertical bar. |

2 Introduction to CentraSite and its Eclipse GUI

- Related Topics 8

CentraSite is a standards-based SOA registry and repository. It serves as the central “system of record” for the Web services and other computing assets of an organization and provides the tools and infrastructure necessary to implement and manage SOA-based applications successfully.

CentraSite supports the entire development lifecycle of an SOA-based application, from its design and implementation to its deployment and ongoing operation in the runtime environment.

Support for the SOA Design-Time Environment

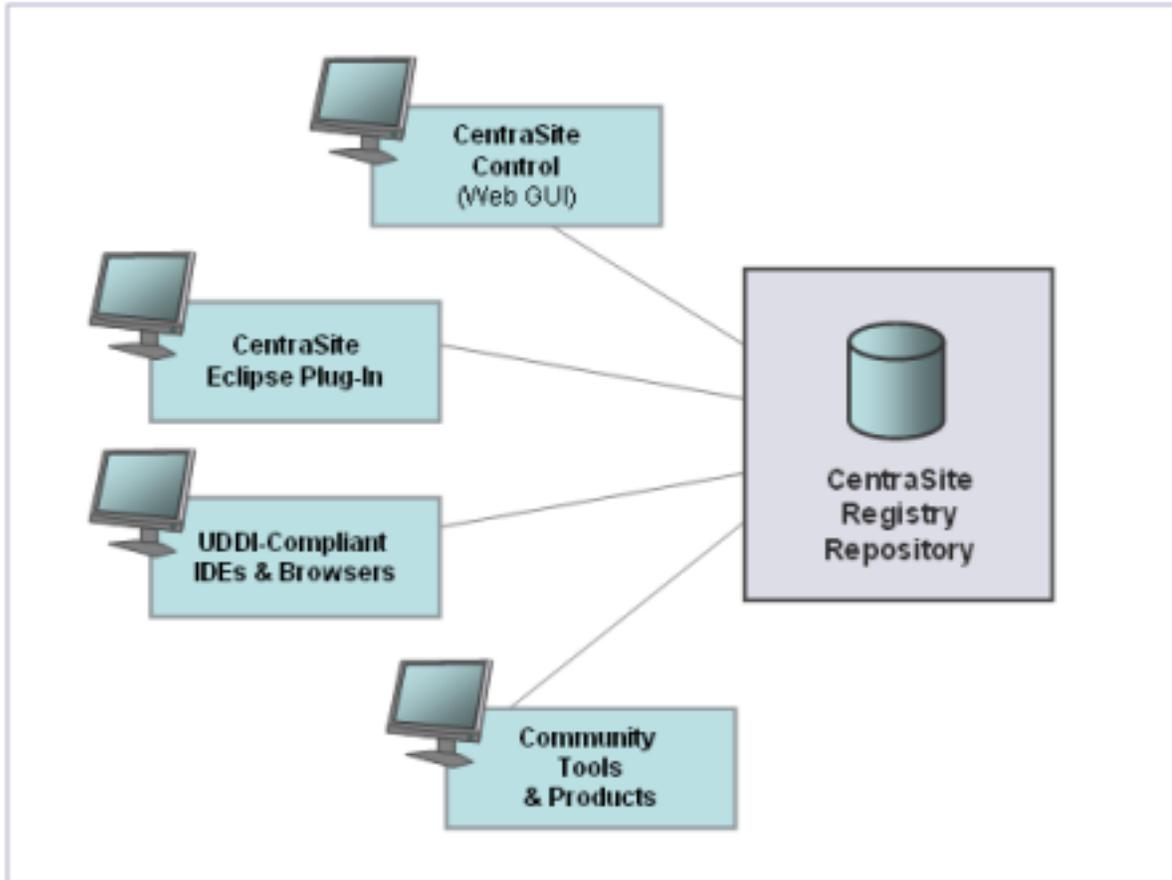
CentraSite supports the development of SOA-based applications by enabling developers, architects and business analysts to:

- Publish Web services and other reusable assets into their organization’s central registry.
- Discover Web services and use them to assemble consumer applications.
- Obtain detailed information about a Web service, including the list of its consumers, its technical support contacts, its disposition in the development lifecycle, usage tips and performance data.
- Examine the relationships that a Web service has with other artifacts in the SOA in order to understand how a change to that service will impact the service’s sub-components and dependants.

CentraSite supports an array of design-time tools that enable developers, architects and business analysts to discover, publish and re-use SOA assets. These tools include:

- *CentraSite Control*, a browser-based user interface provided with CentraSite.
- *The CentraSite plug-in for Eclipse*, also provided with CentraSite.
- UDDI V3.0-compatible registry browsers and IDEs.
- Third-party design-time tools available from members of the *CentraSite Community*. The CentraSite Community is a group of independent software vendors and system integrators who develop products that integrate with CentraSite.

Design-Time Tools Available for CentraSite



Asset Management and Governance

Managing the content of the registry is critical to the success of an SOA environment. To support this effort, CentraSite provides governance capabilities and tools that enable administrators and architects to:

- Control access to CentraSite and to the metadata for individual assets listed in the registry.
- Model the specific entities that make up an organization's SOA environment as well as the dependencies and interrelationships of those entities.
- Enable reuse of computing assets by providing easy access to in-depth information about an artifact's technical properties, semantics and relationships to other artifacts in the SOA.
- Define classification systems (taxonomies) that enable Web services and other assets to be easily discovered and managed.
- Impose mandatory testing, approval processes and/or quality checks to ensure that assets accepted into the SOA adhere to organizational standards and policies.

- Model the lifecycle process associated with each asset type and specify the events that are to be triggered when an asset transitions from one lifecycle state to another.

The *CentraSite plug-in for Eclipse*, provided with CentraSite enables developers, architects and business analysts to discover, publish and re-use SOA assets in the registry and repository. It can be used with Software AG Designer (which is an Eclipse-based development tool) or with any Eclipse installation that is running at the same version as the version of Eclipse that Software AG Designer is using.

The CentraSite Eclipse-based graphical user interface (GUI) follows the paradigms of the Eclipse Workbench: **Views**, **Editors** and **Perspectives** are provided for working with the CentraSite registry and repository. Actions can be carried out from context menus and toolbars. You can customize the working environment using standard Eclipse Workbench functions. For detailed information on the Eclipse Workbench, refer to the Workbench User Guide which comes with Eclipse. General information on Eclipse is available at www.eclipse.org.

Related Topics

- [Starting to Work with the CentraSite Eclipse GUI](#)

3 Starting to Work with the CentraSite Eclipse GUI

- Related Topics 10

We recommend that you start working with the CentraSite Eclipse GUI by opening one of the CentraSite perspectives, for example as follows:

▶ **To open a CentraSite perspective**

- 1 From the **Window** menu, select **Open Perspective > Other**.
- 2 In the **Open Perspective** dialog, select **CentraSite Asset Catalog** or **CentraSite Search and Browse**.
- 3 Click **OK**.

The perspective opens. You then have to connect to the CentraSite registry and repository you want to work on.

You can work with the CentraSite perspectives just as you would work with any other perspective in the Eclipse Workbench. The Workbench remembers which views, editors and perspectives you have opened, and how you have customized your working environment. The next time you open the Workbench, it appears in the same view as you have previously left it. For detailed information, refer to Eclipse's *Workbench User Guide*.

Related Topics

- [Connecting to CentraSite](#)
- [Working with Views, Editors and Perspectives](#)
- [Exiting the CentraSite Eclipse GUI](#)

4

CentraSite Perspectives

CentraSite provides two perspectives that you can use to create, browse and manage the information in the registry and repository.

Read more in section [Reference > CentraSite perspectives](#).

5

CentraSite Views

The CentraSite Eclipse GUI adds Navigation views and List views to the Eclipse Workbench.

Read more in section [Reference > CentraSite Views](#).

6

CentraSite Details Editor

The CentraSite Eclipse GUI adds the CentraSite Details editor to the Eclipse Workbench.

Read more in section [Reference > CentraSite Details Editor](#).

7 Connecting to CentraSite

- Related Topics 19

The first task you carry out in the CentraSite Eclipse GUI is to connect to the CentraSite registry and repository with which you want to work.

The following information is required for establishing a connection to a CentraSite registry and repository:

- The URL of the XML configuration file for the CentraSite registry and repository, for example, `http://myserver:53305/INMConfiguration/INMConfiguration.xml`. The appropriate URL is generated automatically when you specify the name or IP address of the server where the registry and repository are installed.



Note: When publishing to CentraSite from the CentraSite Eclipse GUI, errors can occur due to network settings. If you observe such problems, use machine names instead of IP addresses, and ensure that these machine names are included in the proxy bypass list of the Eclipse environment (**General > Network Connections**).

- User name and password.

You are prompted for this information to create a connection to the CentraSite registry before navigating to perspectives. After you have entered the information, the connection to the CentraSite registry and repository is established, and you can work on their contents.

The connection information is stored in a so-called *connection configuration* in your Eclipse workspace. You can create and maintain any number of connection configurations, for example, in order to connect to registries and repositories on different servers or with different user names. One of the connection configurations must be marked as the default configuration. It is used each time you start working with the CentraSite Eclipse GUI. The connection configuration that you create when you use the CentraSite Eclipse GUI for the first time is automatically made the first default configuration. The **Registry Explorer view** displays the configuration that is currently used behind the top entry in the view.

When you create a connection configuration, you can choose to save a password. If you do so for the default configuration, the connection to the corresponding registry and repository is established automatically when you start working with the Eclipse GUI. If you do not save a password, you are prompted for it.



Note: Passwords are saved in the Eclipse secure store (see the *Eclipse Workbench User Guide* for details).

Related Topics

- [Changing Preference Settings](#)

8 Changing Preference Settings

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- Related Topics 24

The CentraSite Eclipse GUI adds an entry named "CentraSite" to the standard Eclipse Workbench Preferences dialog. Via this entry, you can make the preference settings described below. To invoke the Preferences dialog, choose **Window > Preferences** in the main menu of the Eclipse Workbench.

Registry Tree Settings

The Registry Explorer tree displays the organizations stored in the CentraSite registry along with the assets assigned to these organizations as a hierarchy of nodes. On the **Registry Tree Settings** page, define the number of elements you want to display under the CentraSite registry.

For example, if you define 150 as the number of elements to be displayed under a CentraSite registry node, and if the number of elements under that particular node in the **Registry** tree exceeds 150, you can view only 150 elements at a time. At the end of the element list, you see **>>> n more elements** message; where **n** is the number of elements that are not displayed in the current node. Right click on this message to display the additional 150 elements or display all the elements under the node.

The valid values for the number of elements to be displayed are 1 to n. By default, the number of elements to be displayed is set to 128. If you specify a value "0" in the **Registry Tree Setting** page, the default value of 128 is considered.

To remove customized registry tree settings and restore the default settings, click **Restore Defaults**.

Language

The names and descriptions of objects in the CentraSite registry can be created and displayed in different languages. On the Language settings page, you can choose your preferred language. This can be either the language setting of your local system (default) or a specified language. The names and descriptions of registry objects you create will be stored in the selected language by default. Object names and descriptions are displayed in the specified language, if possible.



Note: When you create your connection configurations, you may have to choose a language for your locale (see *Restricted Localization* in [Connections](#)). This will then be your preferred language.

Connections

On the **Connections** page, you can create and maintain connection configurations. A connection configuration specifies the URL of a CentraSite registry and repository and the user name with which to connect to them. You can create and maintain any number of connection configurations, for example, in order to connect to registries and repositories on different servers or with different user names.

One of the connection configurations must be marked as the default configuration by checking it. It is used each time you start working with the CentraSite Eclipse GUI. The connection configuration you create when you use the CentraSite Eclipse GUI for the first time is automatically made the first default configuration. The Registry Explorer view displays the configuration that is currently used behind the top entry in the view.

On the Connections page, you can:

- Add a new connection configuration: Click **Add**. In the dialog, specify the following:
 - An alphanumeric name for the connection configuration.
 - The name or IP address of the server where the CentraSite registry and repository are located. The appropriate URL is generated automatically.
 - The user name with which to connect to the registry and repository.
 - Whether the login context of the server is to be used for your configuration. Check the Use login context of server option, if your CentraSite client runs in a security context different from that of the CentraSite server. For details on different security contexts, contact your CentraSite support organization.
 - You can choose to save a password. Passwords are saved in the Eclipse secure store (see the Eclipse Workbench User Guide for details).
- Edit a connection configuration: Select the configuration, click **Edit** and change the values in the dialog.
- Remove a connection configuration: Select the configuration, click **Remove** and confirm the deletion. You cannot remove the default configuration.
- Change the default connection configuration: Check the configuration which is to become the new default.

Before you edit the default connection configuration, disconnect from the registry and repository by choosing **Disconnect** in the context menu of a CentraSite navigation or list view. After you have changed the default connection configuration, the next action you carry out in the CentraSite Eclipse GUI will establish a connection with the new data.

When you select a different default configuration, your current connection is automatically closed and a new one is established with the new data.

Restricted Localization

The CentraSite Eclipse GUI provides restricted localization, in other words it controls the display to one or more available locales.

If you have configured your connections and your current language does not match the allowed locales, an error message is displayed and you are prompted to choose a language from the list of defined locales.

Note that the language you choose here will also become your preferred language.

Related Topics

[Connecting to CentraSite](#)

9 Working with Views, Editors and Perspectives

- Working with the CentraSite Perspectives 26
- Working with the CentraSite Details Editor 26
- Refreshing Views 27
- Executing Actions 28
- Handling Errors 28
- Getting Help 29

This section offers basic information on how to work with views and editors in the CentraSite perspectives.

Working with the CentraSite Perspectives

In the CentraSite Eclipse GUI, you carry out your work in views and editors opened in the Eclipse Workbench. A perspective is a saved arrangement of views and editors that, for example, defines where each view of the perspective is displayed in the Workbench. A CentraSite perspective is composed of an editor area and several views.

Using the standard features of the Workbench, you can customize the views, editors and perspectives in your working environment. For example, you can:

- Resize and move the views within the Workbench or even out of it;
- Resize the editor area;
- Adapt the CentraSite perspectives to your requirements;
- Reset the perspectives to their default settings.

The Workbench remembers which views, editors and perspectives you have opened, and how you have customized your working environment. The next time you start the Workbench, it is opened as you have left it.

For details on working with views, editors and perspectives, refer to the Workbench User Guide.

Working with the CentraSite Details Editor

The following hints are useful for working effectively with the CentraSite Details editor:

- By default, you open the CentraSite Details editor by double-clicking on an element in one of the CentraSite navigation or list views. You can change the preference settings in CentraSite, if you prefer to open the editor by single-clicking on an element.
- The Workbench allows you to have multiple editors open in the editor area. Thus, you can define and modify information on several elements in parallel. Any number of editors can be open, but only one can be active at a time.
- To store changes made in the CentraSite Details editor, use the standard functions available in Eclipse. You can, for example, select **File > Save** in the main menu or type **Ctrl+S**. An asterisk (*) next to the element name on the editor tab indicates that the editor contains unsaved changes.
- Unlike views, the editors cannot be dragged outside the Workbench. By default, the editors are stacked in the editor area. You can choose to tile them in order to view definitions of different

elements next to each other. For detailed information on arranging the editors in the Eclipse Workbench, refer to the Workbench User Guide which comes with Eclipse.

In the CentraSite Details editor, the functionality is distributed across different tabs:

- Each tab provides a toolbar in the upper right part of the tab. The functions provided in the toolbar depend on the tab that is displayed.
- You can save the current contents of a tab to a file in HTML format. Using the  button, you can specify the path and name of the file in a dialog.
- You can refresh the contents of a tab. The contents are automatically updated when the editor is reopened. However, sometimes it may be required to update the contents manually. Use the  button for this purpose, press the F5 key on your keyboard, or select the Refresh option from a table entry's context menu.

Some tabs in the editor area display elements in tables:

- The table entries provide context menu options for working on the individual elements.
- You can sort the entries in the tables by each column in ascending or descending alphabetical order by clicking the column headers. Using the  button, you can select the table columns to be displayed.
- By double-clicking an element or selecting the Details option from its context menu, you can select the element and open its detailed definition in the CentraSite Details editor.

Refreshing Views

The display of elements in the various views is usually kept up-to-date as you execute actions in the CentraSite Eclipse GUI. However, sometimes it may be required to update the contents manually. For this purpose, the views have a Refresh action, which updates the view's contents.

To refresh a view, do one of the following:

- Click the  button.
- Press the F5 key on your keyboard.
- Select Refresh from the context menu in the view.

The Refresh action applies to the view as a whole including all elements it contains.

Executing Actions

In the CentraSite Eclipse GUI, you can use the following to perform actions:

- Icons in the toolbar of a view or in the toolbar of the CentraSite Details editor.
- Menu options in context menus that are assigned to elements displayed in a view or in the CentraSite Details editor.
- Menu options in drop-down menus that are assigned to the Workbench or to an icon in a toolbar.

To execute an action provided as an icon, click the icon.

To execute a menu option in a context menu:

1. Right-click the element to which the context menu is assigned.

The menu options available in each context menu depend on the element you have selected. Options that are not executable in a specific context are grayed out.

2. Select the required menu option from the context menu.

To execute a menu option from a drop-down menu, open the menu and select the option.

Some of the menu options in context and drop-down menus can also be carried out by using a key shortcut.

Handling Errors

When working with the CentraSite Eclipse GUI, the following types of errors may occur:

- Problems with the Eclipse Workbench;
- Problems with the execution of actions for CentraSite elements.

Eclipse Workbench problems are usually recorded in a log file. An error message points you to this log file for details. You can view the log file by selecting **Help > About Eclipse SDK > Configuration Details > View Error Log**.

To view the error log entries, you can also open the Error Log view. This view displays the error log entries in a table.

When a problem occurs during the execution of an action on a CentraSite element, a corresponding message is displayed. You can:

- Accept the error message by clicking **OK**. To update your data, if necessary, refresh the view after accepting the error message.
- Show and hide details on the error by clicking **Details**. The details provide information on the CentraSite plug-in where the error occurred, the exception or error message from the underlying Java runtime environment, and a Java stack trace.

This information can help you overcome the problem. In the case of system errors, contact your system administrator.

Getting Help

In the same way as the CentraSite interface is integrated into the Eclipse Workbench, its user documentation is integrated into the help system of the Workbench. The CentraSite Eclipse GUI has its accompanying documentation plug-in which contributes this user guide to the help system.

You can get help in the following ways:

- Select **Help > Help Contents**. This displays the books of the Eclipse help system.
- Select a view, menu option, dialog or wizard and press **F1**. This displays context-sensitive help for the selected element with references to the books of the help system.

For more details on using the help system, refer to the Workbench User Guide.

10

Exiting the CentraSite Eclipse GUI

To exit the CentraSite Eclipse GUI, do one of the following:

- Close the CentraSite perspective, views and editors;
- Close the Eclipse Workbench.

The Workbench remembers your working environment. The next time you start the Workbench, it appears just as you left it.

II Concepts

This section describes the basic concepts of CentraSite that are relevant for using the Eclipse GUI:

Registry and Repository

Assets and Registry Objects

Properties of Registry Objects

Status, Stability and Expiration of Registry Objects

Versions of Registry Objects

Classifications of Registry Objects

Associations Between Registry Objects

External Links

Supporting Documents and Resources

Properties of Resources

Attributes

Profiles

Namespaces

Notifications

Security

Audit Logs

11 Registry and Repository

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CentraSite is a registry and repository that allows you to manage and govern your SOA environment and to achieve control and transparency across all IT resources related to the SOA.

The registry is the part of CentraSite that is used to manage and describe the SOA assets, for example, Web services. It does not store the assets themselves; rather, it stores the relevant information about them. For example, an object stored for a Web service contains information about the service. The service definition (WSDL file), however, is not stored in the registry but in the CentraSite repository. The CentraSite registry is thus an inquiry and data source allowing you to browse and search for information on SOA assets and offering reports on their usage. The information contained in a registry is organized and represented by registry objects and associations between them.

If you are familiar with the JAXR (Java API for XML Registries) and UDDI standards, you will recognize various object types and structures that are defined in a registry. You can modify existing object types and define additional object types as required.

The repository is a WebDAV-enabled file store. It typically holds resources that are related to objects stored in the registry. This includes, for example:

- Files that hold the SOA assets themselves, such as the WSDL files of services or XPD and schema definition files;
- Files such as technical specifications, sample code or programming guides that are relevant for your SOA assets;
- Files produced or consumed by CentraSite such as policy descriptions, lifecycle models or reports.

Resources held in the repository can be linked to objects stored in the registry. Some features of CentraSite, such as the importing of a Web service, create entries in the repository as well as corresponding objects in the registry. This allows entries in the repository to be located via UDDI registry mechanisms.

Related Topics

[Assets and Registry Objects](#)

[Associations Between Registry Objects](#)

[External Links](#)

[Supporting Documents and Resources](#)

12 Assets and Registry Objects

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In CentraSite, asset management means managing the information contained in the registry and repository. In the registry, the information is organized and represented by registry objects. CentraSite distinguishes between registry objects that represent **assets** and **supporting objects**.

In CentraSite, each asset and each user is affiliated with organizations. An asset created by a user is assigned to the organization to which the user belongs. Each organization in CentraSite can have one or more child organizations. This allows you to create a hierarchical organization structure in which all users and assets are embedded.

Initially, only the Default Organization is defined. The administrator who installs CentraSite acts as administrator of the Default Organization. He/she has all permissions required to create additional organizations and to define CentraSite users for the organizations. For each new organization, he/she has to define a user as administrator who in turn has all permissions required to fulfill the necessary administrative tasks for the new organization.

Assets

An asset is a registry object that represents an artifact in your SOA environment, for example, a Web service, an XML schema or a BPEL process. The Asset Types view of the CentraSite Eclipse GUI enables you to access the assets defined for the organization to which you are assigned as a CentraSite user.

An asset is described by:

- **Properties, classifications, associations** and **external links**. These details of an asset can be displayed in the **CentraSite Details Editor**.
- **Asset files**. An asset file is a file or a file-like resource that represents or contains the asset itself. For example, a Web service asset relates to a copy of the WSDL document that describes the service; an XML schema asset relates to a copy of the actual XML schema document. Asset files are stored in the CentraSite repository.

The assets in the registry reference the files in the repository. Each asset can be described by one or more asset files. Whether and how many asset files are available, depends on the type of asset.

- **Supporting documents**. A supporting document is a file that contains useful information about an asset, for example, a technical specification, sample code or a programming guide. Like asset files, supporting documents are stored in the CentraSite repository. They are located in your organization's Supporting Documents Library, which is part of the CentraSite repository.

The assets in the registry reference the documents in the Supporting Documents Library. Each asset can be described by one or more supporting documents.

The following asset types are predefined when CentraSite is installed:

- Application
- Application server
- BPEL process
- Service
- WS policy
- XML schema
- Virtual Service
- Virtual XML Service
- Virtual REST Service

A list of all asset types can be found in the [Asset Types view](#). You can add your own types, and also modify and delete existing types. Assets of different types are identified by different icons in the CentraSite Eclipse GUI. You can specify the icon to be used when creating or modifying an asset type.

Supporting Objects

A supporting object is a registry object that is used for managing and organizing the assets. The CentraSite Eclipse GUI enables you to access these objects.

Like assets, supporting objects are described by [properties](#), [classifications](#), [associations](#) and [external links](#). These details can be displayed in the [CentraSite Details Editor](#).

For organizing your assets, you mainly work with registry objects of the following types:

| Icon | Object Type | Description |
|---|--------------|---|
|  | Organization | An Organization object describes an organization that is involved in the asset management, for example, an enterprise or part of an enterprise that provides services. An organization can consist of one or more child organizations, it can provide services and it can define users. |
|  | User | A User object provides information about a registered CentraSite user . Each user is affiliated with an organization. The full set of functions for user management is available in the CentraSite Control (Web interface). The CentraSite Eclipse GUI provides a restricted set of functions only. |
|  | Taxonomy | A Taxonomy object represents a taxonomy that contains categories for classifying or categorizing registry objects. The object type of Taxonomy objects is ClassificationScheme. CentraSite distinguishes between internal taxonomies, whose categories are stored in the registry, and external taxonomies, whose categories are not available in the registry. |

| Icon | Object Type | Description |
|---|-------------|--|
|  | Category | A Category object defines the hierarchical tree structure and detailed elements of a taxonomy. It is used to classify and categorize registry objects. The object type of Category objects is Concept. |
|  | List | A List object groups registry objects of any type by logical aspects. A list may contain any number of registry objects. A registry object may be a member of any number of lists. The My CentraSite view of the CentraSite Eclipse GUI enables you to access the List objects you have defined. |

Related Topics

Supporting Documents and Resources

13 Properties of Registry Objects

- Predefined Properties 42
- Custom Properties 42
- Related Topics 43

Each **registry object** is described by a set of properties. CentraSite distinguishes between predefined properties and custom properties.

Predefined Properties

The following predefined properties are available for every registry object, independent of the object's type. They are displayed on the **General tab** in the **CentraSite Details Editor**

| Property Name | Description |
|---------------|--|
| Name | The object's name. Different names can be specified for different languages (locales). The General tab displays the name of the locale selected in the Preferences . |
| Type | The object type of the registry object. |
| Description | A textual description of the registry object. Different descriptions can be specified for different languages (locales). The General tab displays the description of the locale selected in the Preferences . |
| Organization | The organization to which the registry object belongs. |
| Owner | The object's owner, usually the person who created the object in the CentraSite registry. |
| Created | The date and time when the registry object was created in the CentraSite registry. |
| Modified | The date and time when the registry object was last modified. |
| Key | The unique key for identifying the object in the registry. The key is generated automatically when the registry object is created. |

Custom Properties

In addition to the predefined properties, you can define properties of your choice for specific object types as well as for registry objects that you create or modify. These properties are referred to as custom properties. Custom properties can be:

- **Type-specific:** You can add properties of your choice to any object type in the CentraSite registry. When you define a new object type or modify an existing one, you can specify attributes which represent the properties.

Each type-specific custom property has:

- A name that must be unique for the object type.
- A data type that describes the type of value that can be specified for the property at each object of the object type.

Type-specific custom properties are displayed in the **profiles** that are visible for a registry object in the **CentraSite Details Editor**.

- Object-specific: You can define properties of your choice for individual registry objects. These properties are independent of the object type. Each object-specific property has:
 - A name that must be unique for the registry object.
 - A **namespace** in which the property is valid.
 - One or several values.

Object-specific custom properties are displayed on the **Object-Specific Properties tab** in the CentraSite Details editor.

Related Topics

[Properties of Resources](#)

14

Status, Stability and Expiration of Registry Objects

- Status 46
- Stability 46
- Expiration Date and Time 47

Registry objects of the following types can have a specific lifecycle status, stability, and expiration date and time.

- Taxonomy
- Service
- Registry objects of object types you define yourself

In the CentraSite Eclipse GUI, specific status, stability and expiration information can be indicated by a decoration at the object's icon or appended to the object's name. In the general Preferences settings of the Eclipse Workbench, you can specify which decorations you want to display.

Status

The status indicates a registry object's current stage in its lifecycle. A registry object may have exactly one of the following statuses at a time:

- submitted: The registry object has been submitted.
- deprecated: The registry object has been deprecated explicitly.
- approved: The registry object has been submitted and approved.
- withdrawn: The registry object has been withdrawn by its submitter.

In the CentraSite Eclipse GUI, the status of a registry object is displayed on the **Summary tab** in the **CentraSite Details Editor**. Additionally, the following statuses are indicated by a decoration at the object's icon or appended to the object's name, provided the decorator is enabled:

| Decoration | Status |
|---|------------|
|  | Deprecated |
| -withdrawn | Withdrawn |

Stability

The stability indicates when and how a registry object may change. A registry object may have exactly one of the following stability values at a time:

- static: The registry object will not change.
- dynamic compatible: The registry object may change at any time but the changes will be downward compatible.
- dynamic: The registry object may change at any time.

In the CentraSite Eclipse GUI, the stability of a registry object is displayed on the **Summary tab** in the **CentraSite Details Editor**. Additionally, the stability is indicated by a decoration at the object's icon, provided the decorator is enabled:

| Decoration | Stability |
|---|--------------------|
|  | Static |
|  | Dynamic compatible |
|  | Dynamic |

Expiration Date and Time

The expiration date and time indicates when a registry object becomes invalid. In the CentraSite Eclipse GUI, the expiration date and time of a registry object is displayed on the **Summary tab** in the **CentraSite Details Editor**.

When the specified date and time is reached, the string "-expired" is appended as a decoration to the registry object's name in the CentraSite Eclipse GUI, provided the decorator is enabled.

15

Versions of Registry Objects

- Explicitly Creating Object Versions 51
- Implicit Creation of Object Versions 51

Registry objects of the following types can have several versions in CentraSite:

- Taxonomy
- Service
- Registry objects of object types you define yourself

A version is an instance of a registry object that represents a particular stage in the object's history. Each object version is an individual registry object having its own key. Each version of the same object may have different **properties**, **associations**, **implicit references** and **external links**. This means that if, for example, you develop a new version of an existing Web service, you can maintain the new version and the old version side by side in the registry, using the same name for both. Applications that access the object do not have to be updated when a new version of the object is published.

Technically, each version of a registry object is linked to its immediate predecessor version by an association of the Supersedes type. The association is classified by the Versioning category of the CentraSiteVersioning taxonomy.

Registry object versions are identified by version numbers and names. CentraSite distinguishes between the following version identifiers:

- CentraSite version identifier: The CentraSite version identifier consists of a major and minor version number in the following format: *major.minor*. The identifier and its version numbers are maintained exclusively by CentraSite. The initial CentraSite version identifier for each versionable object is 0.0. For non-versionable objects, it is empty.
- User version identifier: For each registry object and registry object version, you can specify and maintain a version name or number of your choice. The user version identifier is independent of the CentraSite version identifier. It is available for both versionable and non-versionable registry objects.

The **CentraSite navigation or list views** include all versions of all registry objects. An overview of all the versions of a specific object can be displayed on the **Versions tab** in the **CentraSite Details Editor**. The user version identifier is also displayed on the **General tab**.

Registry object versions can be created explicitly or implicitly as described in the sections below. Only the most recent version of a registry object can be used as the basis for creating a new version.

Explicitly Creating Object Versions

In this CentraSite release, you can explicitly create versions for registry objects of the Service type.

Options allow you to determine whether:

- Only a new version of the registry object as such is to be created.
- Registry objects, **folders and files** that are related to the old version are to be linked to the new version, too.
- Copies or new versions of registry objects, folders or files that are related to the old version are to be created and linked to the new version.

For details on the versioning options for services and on the actions performed, see [Versioning services](#).

For any new object version created by a versioning operation, CentraSite increments the major version number of the CentraSite version identifier by 1 and resets the minor version number to 0. For example, when you create a new version of a service whose CentraSite version identifier is 2.1, the new version is identified as 3.0.

Implicit Creation of Object Versions

When you explicitly create a new version of a registry object, new versions of related registry objects may be created depending on the version options (see above).

Note: When you **import a Web service**, thereby updating an existing Web service in the registry, no new version of the Service registry object is created. Only the minor version number of the object's CentraSite version identifier is incremented. For example, if the service's identifier was 3.0, it is changed to 3.1. The import updates the most recent version of a service; previous versions remain unchanged.

16

Classifications of Registry Objects

The **registry objects** stored in the **CentraSite registry** can be categorized by internal and/or external classifications:

- Internal classification means that a category stored in the CentraSite registry is assigned to the registry object.
- External classification means that a taxonomy is assigned to the registry object whose categories are not stored in the CentraSite registry.

Any number of internal and external classifications can be assigned to a registry object.

The classifications assigned to a selected object are displayed on the **Classifications tab** in the **CentraSite Details Editor**. The registry objects classified by a selected category can be displayed in the **Search view**.

When you define a new object type or modify an existing one, you can specify **attributes** that map to classifications you want to make visible for the object type. An attribute that represents a classification can be displayed in the set of **custom profiles** that is visible for a registry object in the CentraSite Details editor.

17 Associations Between Registry Objects

- Associations 56
- Implicit References 56
- Related Topics 57

The **registry objects** stored in the **CentraSite registry** can be interconnected by associations and implicit references. An association or implicit reference starts at a source object and is directed to a target object.

Associations

An association is a connection between registry objects that is created and maintained by a CentraSite user. Associations can be listed on the **Associations** tab in the **CentraSite Details Editor**.

When you define a new object type or modify an existing one, you can specify **attributes** which map to associations you want to make visible for the object type. An attribute that represents an association can be displayed in the set of **custom profiles** that is visible for a registry object in the CentraSite Details editor.

Associations can be of different types. You can display a list of available association types in the **Contents view** by selecting the Types > Association Types.

When CentraSite is installed, a number of predefined association types are available that can be customized to meet your requirements. Predefined association types whose names contain the string "CentraSite", for example "CentraSiteMyFavorites" or "UsesCentraSiteOperation", are reserved for CentraSite-internal purposes. You should not use these when creating associations between registry objects.

The list of association types can be customized to hold any type of association that your organization needs.

Implicit References

Implicit references are connections between registry objects that are created and maintained automatically by CentraSite. For example, when you create a service or user within an organization, CentraSite creates an implicit reference between the service or user and organization objects. Implicit references also include list assignments and classifications.

Related Topics

[External Links](#)

18 External Links

- Related Topics 60

In addition to having associations with other objects, **registry objects** can have links to resources that are managed outside the registry, for example, to files in the CentraSite repository or on a WebDAV server. A link to an external resource is represented by the resource's URL, which is stored in the registry. A registry object may have any number of external links.

In the CentraSite registry, an external link is stored as a registry object of the ExternalLink type. The URL of the external resource is stored with the ExternalLink object.

The external links of a registry object are shown on the **External Links tab** in the **CentraSite Details** editor. The registry objects to which a folder or file is connected via an external link are shown on the **Attached To tab** in the CentraSite Details editor.

When you define a new object type or modify an existing one, you can specify **attributes** which map to external links you want to make visible for the object type. An attribute that represents an external link can be displayed in the set of **custom profiles** that is visible for a registry object in the CentraSite Details editor.

Related Topics

[Associations Between Registry Objects](#)

19 Supporting Documents and Resources

- Related Topics 62

The **CentraSite repository** is a WebDAV-enabled file store. It holds resources related to **objects** stored in the CentraSite registry. These include:

- Files representing supporting documents that contain useful information about assets, such as technical specifications, sample code or programming guides.
- Asset files such as the WSDL files of services or XPDL and schema definition files.
- Files produced or consumed by CentraSite such as policy descriptions, lifecycle models or reports.
- Folders for organizing the files.

The supporting documents are organized in the Supporting Documents Library in the CentraSite repository. Each organization in CentraSite is assigned a subfolder in this library where its supporting documents are located.

The files representing other resources are organized in folders outside the Supporting Documents Library.

By default, a CentraSite user can access the documents in the Supporting Documents Library of the organization to which he/she is assigned. A CentraSite Administrator can access the overall folder structure of the CentraSite repository.

The folders and files held in the repository can be linked to objects stored in the registry. Some features of CentraSite, such as the importing of a Web service, create entries in the repository as well as corresponding objects in the registry.

You can browse and manipulate the folders and files of the repository in the **Repository Explorer view** and in the **Documents view**. You can create new folders and files and delete existing ones at any time.

The files stored in the CentraSite repository are versionable. A new version of a file is created each time changes to it are uploaded to the repository or when its properties are changed. You can list all the versions of a file on the **Versions tab** in the **CentraSite Details Editor** and display the contents of each version in read-only mode in an Eclipse Workbench editor.

Related Topics

[Properties of Resources](#)

[External Links](#)

20 Properties of Resources

- Related Topics 65

Each folder and each file in the repository has a set of predefined properties that describe it. The properties can be displayed on the **General tab** in the **CentraSite Details Editor** and in the **Contents view**.

A folder has the following predefined properties:

| Property Name | Description |
|---------------|---|
| Name | The folder's name. You can change it by renaming the folder. |
| Type | The folder's type, usually httpd/unix-directory. |
| Created | The date and time when the folder was created in the CentraSite repository. |
| Modified | The date and time when the folder was last modified. |
| Version | The user-assigned version identifier for the folder. The user-assigned identifier can be made up of any sequence of characters. It is not required to be numeric. |
| Organization | The organization to which the folder belongs. |
| Key | The Universally Unique Identifier (UUID) that is assigned to the folder and uniquely identifies it within the repository. CentraSite automatically assigns a UUID to a folder when the folder is added to the repository. |
| Owner | The folder's owner, usually the person who created the folder in the CentraSite repository. |

A file has the following predefined properties:

| Property Name | Description |
|---------------|---|
| Name | The file's name. You can change it by renaming the file. |
| Description | A short description of the file. You can change the description as required. |
| Type | The file's type. |
| Size | The file's size. |
| Created | The date and time when the file was created in the CentraSite repository. |
| Modified | The date and time when the file was last modified. |
| Owner | The file's owner, usually the person who created the file in the CentraSite repository. |
| Version | The user-assigned version identifier for the file. The user-assigned identifier can be made up of any sequence of characters. It is not required to be numeric. |
| Organization | The organization to which the file belongs. |
| Key | The Universally Unique Identifier (UUID) that is assigned to the file and uniquely identifies it within the repository. CentraSite automatically assigns a UUID to a file when the file is added to the repository. |

Related Topics

[Supporting Documents and Resources](#)

[Properties of Registry Objects](#)

21 Attributes

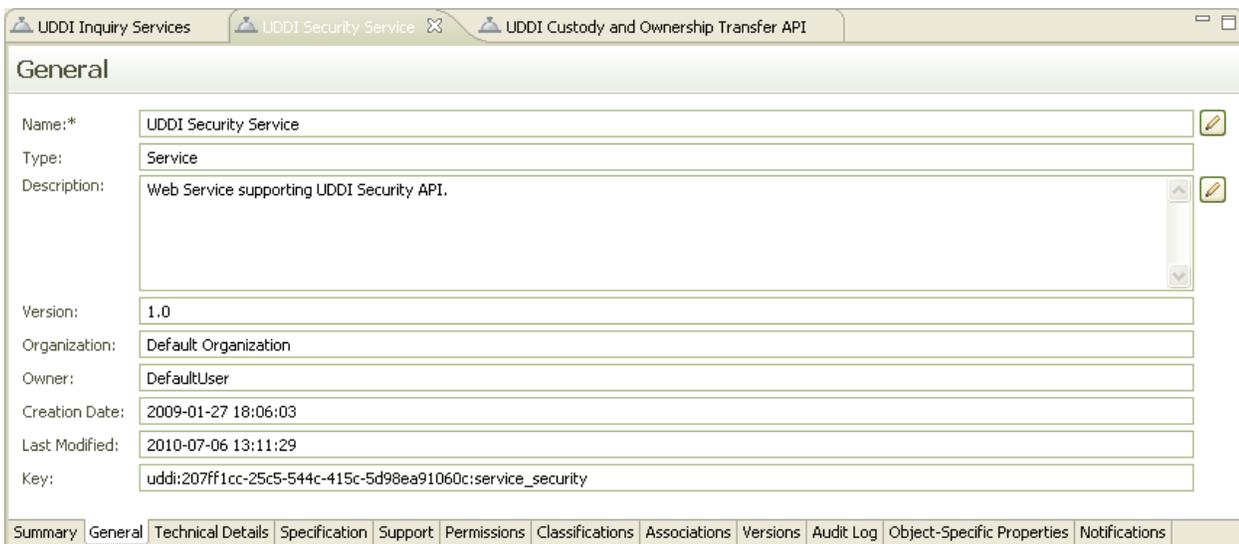
| | |
|------------------------------|----|
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In the CentraSite Eclipse GUI, the definition of a registry object is represented by attributes and profiles.

Attributes represent the individual **properties**, **classifications**, **associations** and **external links** that are defined for a registry object.

The object's type definition determines which attributes are visible in the CentraSite Eclipse GUI. For example, the asset type for a Service includes attributes that identify the name of the service, provide the service's endpoints, identify the owner of the service, supply links to programming documentation and so forth.

In CentraSite Eclipse GUI, attributes appear as properties



All registry object types that represent assets include the following basic attributes:

| Attribute | Description |
|-----------------------|---|
| Name | The name under which the asset is cataloged. |
| Description | A descriptive comment that provides additional information about an asset. |
| Key | The Universally Unique Identifier (UUID) that is assigned to the asset and uniquely identifies it within the registry. CentraSite automatically assigns a UUID to an asset when the asset is added to the registry. |
| Version | The user-assigned version identifier for an asset. The user-assigned identifier can be made up of any sequence of characters. It is not required to be numeric. |
| System Version | The system-assigned version number that CentraSite maintains for its own internal use. CentraSite automatically assigns this identifier to an object when a version of the object is created. The system-assigned identifier is always numeric and always has the format: <i>MajorVersion.Revision</i> |

| Attribute | Description |
|--------------------------------|---|
| | <p>Where:</p> <ul style="list-style-type: none"> ■ <i>MajorVersion</i> is an integer that represents the asset's version number. This value is incremented by one when a new version of the asset is generated (e.g., 1.0, 2.0, 3.0). ■ <i>Revision</i> is an integer that represents an update to a particular version of an asset. When the revisioning feature is enabled for CentraSite, the <i>Revision</i> number is incremented each time a change is made to the object (e.g., 1.0, 1.1, 1.2). <p>An asset's System Version attribute cannot be deleted or modified by a user.</p> |
| Created | The date on which the asset was added to the catalog. CentraSite automatically sets this attribute when a user adds the asset to the catalog. Once it is set, it cannot be modified. |
| Last Modified | The date on which the catalog entry for the asset was last updated. CentraSite automatically updates this attribute when a user modifies any of the asset's attributes. |
| Submitting Organization | The organization to which the asset belongs. |
| Owner | The user who currently owns the asset. CentraSite automatically sets this attribute when a user adds the asset to the catalog. |
| Lifecycle State | The asset's current lifecycle state. If a lifecycle model has been associated with an asset type, CentraSite updates this attribute as the asset passes through its lifecycle. |

Attribute Data Types

When you add an attribute to a type, you specify the attribute's *data type*. The data type determines what kind of information the attribute can hold. After you add an attribute to a type, the attribute's data type cannot be changed.



The following table lists the data types that you can assign to an attribute. Most types can be configured to hold a single value or multiple values (i.e., an array of values).

| Data Type | Description |
|--------------------|--|
| Boolean | <p>Holds a "true" or "false" value.</p> <p>Note: When a Boolean value is displayed in the CentraSite Eclipse GUI, its value is generally displayed as "Yes" (if the attribute's value is true) or "No" (if the attribute's value is false).</p> |
| Classification | Holds references to one or more categories in a specified taxonomy. You use this type of attribute to classify assets according to a specified taxonomy. |
| Computed Attribute | Holds a value that is supplied by a user-defined Java plug-in. |
| Date/Time | Holds a timestamp that represents a specific date and/or time. |
| Duration | Holds a value that represents a period of time as expressed in Years, Months, Days, Hours, Minutes and Seconds. |
| Email | <p>Holds an email address. This data type only accepts values in the format:</p> <p><i>anyString@anyString</i></p> <p>Note: When a user enters a value for an Email attribute, CentraSite verifies that the value conforms to the format above, but it does not attempt to validate the address itself.</p> |
| File | <p>Holds references to one or more documents that reside in CentraSite's supporting document library or at a specified URL.</p> <p>You can use this type of attribute to attach documents such as programming guides, sample code and other types of files to an asset.</p> |
| IP Address | Holds a numeric IP address in the v4 or v6 format. |
| Multiline String | <p>Holds a string of text. When this type of string is displayed in a CentraSite user interface, the string is displayed in a multi-line text box and lines of text are wrapped to fit the width of the box. (Compare this with the String data type described below.)</p> <p>The Internationalized option allows you to store the text in internationalized string format. For more information about the Internationalized option, see the String data type, below.</p> |
| Number | <p>Holds a numeric value. When you define an attribute of this type, you can specify the number of decimal positions that are to be shown when the attribute is displayed in a user interface. If you do not want to restrict the number of decimal positions that the user interface displays, choose the Maximum Precision option to display all positions.</p> <p>You can optionally assign a label such as "Seconds", "tps", "KB", "EUR" or "\$" to attributes of this type, and specify whether this label is to appear as a prefix or a suffix when the attribute's value is displayed in a user interface.</p> <p>Note: The underlying data type for this kind of attribute is a Java double.</p> |
| String | <p>Holds a string of text. When this type of string is displayed, it is displayed in a single-line text box. If a value exceeds the width of the box, the excess characters are simply not displayed.</p> <p>The Internationalized option allows you to create a String attribute that holds different values for different locales. In CentraSite Eclipse GUI, for example, if a user logs on to</p> |

| Data Type | Description |
|--------------|---|
| | <p>CentraSite in an English locale and he or she assigns a value to an Internationalized String attribute, that value will be visible to other users with English locales. If a user in a German locale were to view the attribute, the attribute would appear empty because it has no value for the German locale. If the German-locale user were to subsequently assign a value to the attribute, the attribute would then have two String values: one in English and one in German.</p> <p>When CentraSite Eclipse GUI displays an Internationalized String, it displays the value associated with the user's current locale. In the example described above, it would show the English value to users with English locales and the German value to users in German locales. Users in other locales would see an empty attribute until a value for their locale had been assigned to the attribute.</p> <p>The Enumeration option allows you to specify a list of allowed values for the attribute.</p> |
| URL/URI | <p>Holds a URL/URI. This type of attribute only accepts values in the form:</p> <p><i>protocol://host/path</i></p> <p>Where:</p> <ul style="list-style-type: none"> ■ <i>protocol</i> is any protocol that java.net.URL supports ■ <i>host</i> is the name or IP address of a host machine ■ <i>path</i> (optional) is the path to the requested resource on the specified host |
| Relationship | <p>Holds references to other registry objects. You use this type of attribute to express a relationship between an asset and another object in the registry.</p> |

Attribute Names

An attribute that is one of the following types has two names associated with it: a *display name* and a *schema name*.

Boolean
 Date
 Duration
 Email
 Multiline String
 IP Address
 Number
 String
 URL

The display name for these types of attributes is the name that is displayed by the CentraSite Eclipse GUI. An attribute's display name can consist of any combination of characters, including spaces.

The following are all valid attribute names:

```
Business Owner
Amount (in $)
Numéro de téléphone
Avg. Invocations/Minute
1099 Code
```

You can change an attribute's display name at any time.

The attribute's schema name is the name that CentraSite actually gives to the underlying JAXR slot that represents the attribute in the registry. This name must be NCName-conformant, meaning that:

- The name must begin with a letter or the underscore character (_).
- The remainder of the name can contain any combination of letters, digits, or the following characters: . - _ (i.e., period, dash, or underscore). It can also contain combining characters and extender characters (e.g., diacriticals).
- The name cannot contain any spaces.

For more information about the NCName type, see <http://www.w3.org/TR/xmlschema-2/#NCName>.

If you do not specify a schema name for an attribute, CentraSite automatically generates a default schema name based on the attribute's display name. It does this by taking the attribute's display name and replacing any spaces in the name with underscore characters (_). If the default name that CentraSite generates is not NCName-conformant, you must explicitly assign a valid schema name to the attribute.

The following table describes the default schema names that CentraSite would generate for the display names shown above.

| For this Display Name... | CentraSite would generate this schema name... | The resulting schema name is... |
|--------------------------|---|---|
| Business Owner | Business_Owner | <i>Valid.</i> You would not need to change the schema name. |
| Amount (in \$) | Amount_(in_\$) | <i>Invalid.</i> A schema name cannot include the () or \$ characters. You must replace the default name with a valid schema name. You might, for example, use <i>Amount</i> or <i>AmountInDollars</i> as the schema name. |
| Numéro de téléphone | Numéro_de_téléphone | <i>Valid.</i> You would not need to change the schema name. |
| Avg. Invocations Minute | Avg._Invocations/Minute | <i>Invalid.</i> A name must not include the / character. You must replace the default name with a valid schema name. You might, for example, use <i>AvgInvokesPerMin</i> as the schema name. |

| For this Display Name... | CentraSite would generate this schema name... | The resulting schema name is... |
|--------------------------|---|--|
| 1099 Code | 1099_Code | <i>Invalid.</i> A schema name must not begin with a number. You must replace the default name with a valid schema name. You might, for example, use <i>_1099_Code</i> or <i>code1099</i> as the schema name. |

Note also that an attribute's schema name must be unique within the type (i.e., two attributes in a type cannot have the same schema name).

After the attribute is created, you can no longer change its schema name.

Names for the Other Attribute Types

The concept of display names and schema names does not apply to the following types of attributes:

Classification

File

Relationship

These types are not represented using JAXR slots and, therefore, do not require underlying schema names. These attributes have one name, which can consist of any combination of letters, numbers or special characters (including spaces).

Computed Attributes

CentraSite Eclipse GUI offers you the possibility to use computed attributes in the asset type definitions and profiles.

The computed attribute holds a value that is supplied by a user-defined Java plug-in. Once you have defined a computed attribute, you can use it in CentraSite Eclipse GUI in the same way as any other attribute.

The available computed attributes can be viewed and edited in the [CentraSite Details Editor](#) when the object's definition is displayed. You can, for example, assign the attribute to a profile or reorder the attribute position within a profile.

Defining a Computed Attribute

The computed attribute is defined as the implementation of the `ComputedAttribute` interface. The following topics describe how to define a computed attribute:

- [Implementation guidelines for Java-based computed attributes](#)
- [Structure of archive file](#)
- [Sample code](#)

Implementation guidelines for Java-based computed attributes

This section describes the Java interfaces and methods that you need to implement for a computed attribute.

| Interfaces | Description |
|---------------------|---|
| ComputedAttribute | <p>This interface declares basic rendering methods for the user interface. It extends the ProfileAttribute interface.</p> <p>boolean: <code>isUsed()</code>: returns true if this attribute is used by at least one instance of the corresponding asset type.</p> <p>Collection: <code>setValue(Collection)</code>;</p> |
| ProfileAttribute | <p>void: <code>init(Collection<CentraSiteRegistryObject>, Locale)</code></p> <p>Collection: <code>getValue()</code>;</p> <p>String: <code>getAttributeKey()</code>;</p> <p>AttributeDescriptor: <code>getAttributeDescriptor()</code>;</p> |
| AttributeDescriptor | <p>This interface deals with the standard properties (<code>isReadOnly()</code>, <code>is Required()</code>...) for an attribute.</p> <p>String: <code>getDataType()</code>: returns the data type of this attribute. This can be one of the supported standard types (<code>xs:...</code>), or one of the special types: File, RichText, Image (allows the specification of the image type).</p> <p>Object: <code>getDefaultValue()</code>: returns the default value of this attribute.</p> <p>String[]: <code>getEnumValues()</code>;</p> <p>int: <code>getMaxLength()</code>: returns the maximum length of this attribute.</p> <p>String: <code>getMaxOccurs()</code>: returns whether the attribute can have multiple occurrences.</p> <p>String: <code>getMinOccurs()</code>: returns whether the attribute is optional or required.</p> |

| Interfaces | Description |
|------------|---|
| | <p>Object: <code>getNativeAttribute()</code>: returns the native attribute instance if the data type is not primitive, otherwise returns null.</p> <p>int: <code>getPrecision()</code>: gets the precision for a "number" attribute.</p> <p>String: <code>getUnitLabel()</code>: returns the slot's unit label.</p> <p>boolean: <code>hasDefaultValue()</code>: returns whether this attribute has a default value.</p> <p>boolean: <code>isPrefix()</code>: Returns true if the slot's unit label is a prefix, and false if it is a suffix.</p> <p>boolean: <code>isReadOnly()</code>: returns whether this attribute is read-only.</p> <p>boolean: <code>isRequired()</code>: returns whether this attribute is required.</p> |

Structure of archive file

The archive file must contain the following folders and files:

| Zip folder | Description |
|------------|---|
| META-INF | <p>This folder contains the <i>config.properties</i> file, which is the build file for the plug-in. This properties file contains an entry of the following format:</p> <pre>com.softwareag.centrasite.computed.attr.impl.class=com.sample.StringAttrImpl</pre> |
| lib | This folder contains the archive file with the source code examples, the plug-in's executor class and the external libraries. |

Sample code

Sample Java code for implementing a computed attribute is supplied in the *demos* folder under CentraSite installation folder. The sample code is available in the files:

- `ComputedAttribute.java`
- `ProfileAttribute.java`
- `AttributeDescriptor.java`

22 Profiles

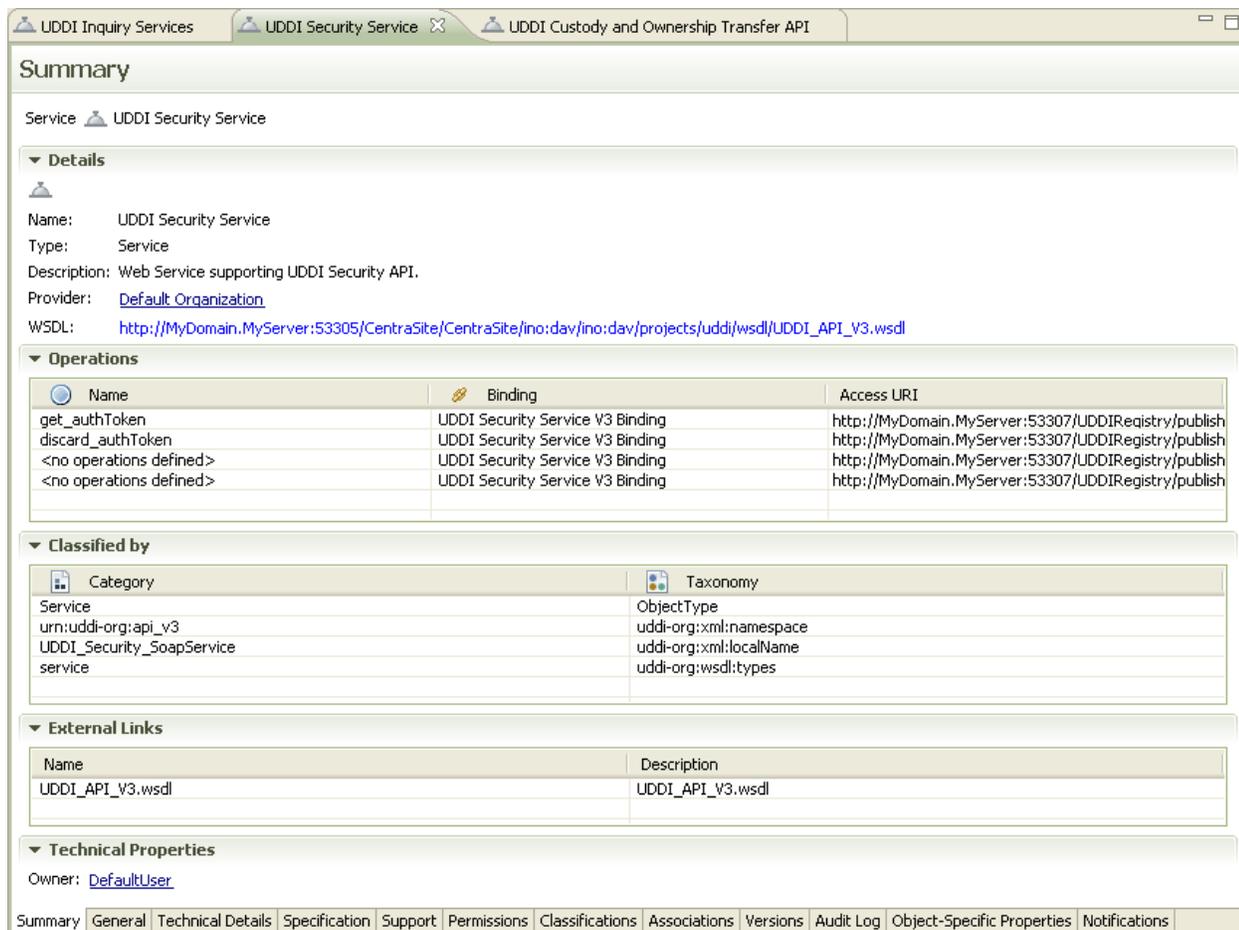
- Generic Profiles 79
- Computed Profiles 80

In the CentraSite Eclipse GUI, the definition of a registry object is represented by attributes and profiles.

Profiles are used to manage the presentation of attributes in the CentraSite Eclipse GUI. They determine how the attributes are grouped when a registry object is displayed.

Profiles and attributes are displayed in the **CentraSite Details Editor**. Each profile is displayed on an individual tab, each tab showing the attributes assigned to the profile. When you display an asset in CentraSite Eclipse GUI, for example, the attributes associated with a particular profile are grouped together on a tab. Note that a tab is only displayed in the editor if you have permission to view the corresponding profile.

In CentraSite Eclipse GUI, profiles appear as tabs



When you define an asset type, you specify the profiles on which its attributes are to be displayed. CentraSite does not require an attribute to be assigned to a profile. If you do not assign an attribute to a profile, the attribute will not be visible in the CentraSite Eclipse GUI (the attribute will still be available via the API). You can assign an attribute to multiple profiles if you want it to appear on multiple profiles (tabs) in the CentraSite Eclipse GUI.

You can define any number of profiles for an asset type. You can specify the order in which you want the profiles to appear when an instance of the type is displayed. You can also specify the order in which attributes are to be displayed within each profile.

Generic Profiles

In addition to the profiles that you define, CentraSite provides several predefined profiles, called *generic profiles*, which you can optionally include in an asset type.

The generic profiles contain system-defined attributes and controls. The information on the generic profiles is generated by CentraSite. You cannot customize the content of the generic profiles or add attributes to them. You can, however, select which of these profiles you want CentraSite to include with an asset type.

| Generic Profile | Description |
|-----------------------|--|
| General | Displays the asset's generic information. This profile contains the general attributes that are common to all registry objects (Name, Description, Organization etc). |
| Summary | <i>Available only for Service, XML Schema, and Application Server asset types.</i> Provides basic information about a Service, XML Schema or Application Server. For a service asset, this profile includes a list of the operations and bindings that the service provides. |
| Notifications | Displays the list of users who are registered to receive notifications when changes are made to the asset. |
| Classification | Displays the list of categories by which an asset is classified. This profile also contains controls for adding "ad hoc" classifiers to an asset. |
| Associations | Displays the list of objects to which the asset is related. This profile also contains controls for establishing "ad hoc" relationships between an asset and other objects in the registry. |
| Permissions | <p>Displays the asset's instance-level permissions. This profile also contains controls for modifying the asset's instance-level permissions.</p> <p>To view all of the instance-level permissions for an asset, a user must have Modify or Full permissions on the asset. To edit the instance-level permissions for an asset, a user must have Full permissions on the asset. If a user has only View permission on an asset, the Permissions profile shows only that particular user's permissions for the asset.</p> <p>Note: The Permissions profile is enabled for all asset types. You cannot disable this profile at the type level. To restrict access to this profile, use instance-level permissions.</p> |
| Versions | Displays the versioning history for an asset and provides links to earlier versions and revisions of the asset. This profile also contains the controls for generating a new version of the asset, purging older versions of the asset and reverting to a previous version of an asset. |
| External Links | Displays the list of links to external documents and files that are attached to the asset. This profile also contains controls for attaching documents and files to an asset. |

| Generic Profile | Description |
|-----------------------------------|--|
| Object-Specific Properties | <p>Displays the list of object-specific properties that have been assigned to an asset. An object-specific property consists of a key, which identifies the name of the property, and an optional String value, which contains the data associated with the property. (A property's value can be null.)</p> <p>Object-specific properties are used to hold information about an instance of an asset when there is no predefined attribute to hold that data. Typically, they are used in one-off situations to attach ad-hoc data to an instance of an asset. For example, if you were managing a certification effort, you might use an object-specific property to identify the set of assets that required certification.</p> <p>Note: The Object-Specific Properties profile is enabled for all asset types. You cannot disable this profile at the type level. To restrict access to this profile, use instance-level permissions.</p> |
| Audit Log | Displays the update activity associated with an asset. This profile lists each change that has been made to an asset and identifies the user that made the change. |
| Subscriptions | Displays the list of users who are registered to receive notifications when changes are made to the asset. |
| Policies | <p>Displays the list of design/change-time policies and run-time policies that are applicable to an asset (i.e., it displays all the policies whose scope encompasses the displayed asset).</p> <p>Note: The Policies profile is displayed for virtualized services regardless of whether you enable or disable it for the Service asset type. In other words, when you disable the Policies profile for the Service asset type, the CentraSite Eclipse GUI removes the profile from service assets, but continues to display it for virtualized services.</p> |
| Performance | <p>Displays the run-time performance metrics associated with an asset. If you are using webMethods Mediator, webMethods Insight or another run-time monitoring component to log performance metrics for an asset, CentraSite displays those metrics on this profile.</p> <p>Note: The Performance profile is displayed for virtual services regardless of whether you enable or disable it for the Service asset type. In other words, when you disable the Performance profile for the Service asset type, CentraSite Eclipse GUI removes the profile from service assets, but continues to display it for virtual services.</p> |

Computed Profiles

CentraSite Eclipse GUI offers you the possibility to add computed profiles into asset type definitions. In a computed profile, you can implement your own algorithms for calculating the values you wish to represent. You can, for example, aggregate or compute attribute information from embedded or linked objects.

A computed profile is a user-defined profile that is implemented as a Java plug-in. You add the computed profile to the asset type by importing the computed profile's definition from an archive

file. The plug-in specifies the attributes that are contained in the profile. The plug-in also has the sole responsibility for rendering the layout representation within the profile.

After a computed profile has been defined for an asset type, the computed profile is treated in the same way as any other profile; for example, permissions for computed profiles can be granted in the same way as for standard profiles, and the ordering of profiles within a type definition is the same for computed profiles as for standard profiles.

If the computed profile has been implemented to be used without user interfaces, it will be available both in CentraSite Control and in Eclipse. If the computed profile is to be used with user interfaces, it must be implemented separately for CentraSite Control and for the CentraSite Eclipse GUI.

Defining a Computed Profile

The following topics describe how to define a computed profile:

- [Implementation guidelines for Java-based computed profiles](#)
- [Structure of archive file](#)
- [Sample code](#)

Implementation guidelines for Java-based computed profiles

This section describes the Java interfaces and methods that you need to implement for a computed profile.

| Interfaces | Description |
|-----------------|---|
| ComputedProfile | <p>This interface declares basic rendering methods for the user interface.</p> <p>void: <code>init(java.lang.Object, Locale)</code>: with <code>CentraSiteRegistryObject</code> as a parameter where the necessary implementation is done and <code>updateAsset()</code> which would return a collection of registry object serves as a save hook.</p> <p>boolean: <code>canRenderUI()</code>: This determines whether the rendering is based on the UI (true) or on the triples associated with the profile (false).</p> <p>Collection: <code>getAttributes()</code>: returns a collection of <code>ProfileAttribute</code> and would be called only when <code>canRenderUI()</code> returns true.</p> <p>Collection: <code>updateAsset()</code>: returns a collection of <code>CentraSiteRegistryObject</code> and would be called only when <code>canRenderUI()</code> returns true.</p> |
| WebUIProfile | <p>This interface is specific to the rendering for CentraSite Control. (Other rendering can be provided for e.g. Eclipse)</p> <p>java.lang.Object: <code>createProfileContent()</code>: create the profile contents with XML content (in compliance with Application Designer).</p> |

| Interfaces | Description |
|-----------------------|--|
| ProfileAttribute | <p>This interface deals with the standard UI rendering of the profile's attributes and allows defining the attributes as key value pairs. The rendering of each attribute will be the standard rendering for the corresponding datatype of the attribute.</p> <p>AttributeDescriptor: <code>getAttributeDescriptor()</code>: returns the descriptor of the attribute.</p> <p>String: <code>getAttributeKey()</code>: returns the key of the attribute.</p> <p>String: <code>getName()</code>: returns the name of the attribute.</p> <p>Collection: <code>getValue()</code>: returns the value of the attribute.</p> |
| ComputedAttributeLine | <p>This interface deals with the user-defined UI rendering of the profile's attributes. The UI rendering of the attributes will be determined by the coding of this interface.</p> <p>void: <code>buildUI(StringBuilder layout)</code>: This method is responsible for rendering the layout definition.</p> <p>void: <code>passivate()</code>: This method is responsible for storing the values back to the object.</p> <p>void: <code>revert()</code>: This method is to revert the changes.</p> |
| AttributeDescriptor | <p>This interface deals with the standard properties (<code>isReadOnly()</code>, <code>isRequired()</code>...) for an attribute.</p> <p>String: <code>getMinOccurs()</code>: returns the minimum allowed occurrences of this attribute.</p> <p>String: <code>getMaxOccurs()</code>: returns the maximum allowed occurrences of this attribute.</p> <p>boolean: <code>isRequired()</code>: returns whether this attribute is required.</p> <p>boolean: <code>isReadOnly()</code>: returns whether this attribute is read-only.</p> <p>boolean: <code>hasDefaultValue()</code>: returns whether this attribute has a default value.</p> <p>Object: <code>getDefaultValue()</code>: returns the default value of this attribute.</p> <p>int: <code>getMaxLength()</code>: returns the maximum length of this attribute.</p> <p>String: <code>getDataType()</code>: returns the data type of this attribute.</p> <p>Object: <code>getNativeAttribute()</code>: returns the native attribute instance if the data type is not primitive, otherwise returns null.</p> <p>String[]: <code>getEnumValues()</code>:</p> |

| Interfaces | Description |
|------------|---|
| | <p>boolean: <code>isPrefix()</code>: returns whether this slot's unit label is a prefix or suffix value. Return "true" if the unit label is a prefix, "false" for suffix.</p> <p>int: <code>getPrecision()</code>: returns the precision for a "number" attribute.</p> <p>String: <code>getUnitLabel()</code>: returns this slot's unit label. The label may be null.</p> |

Structure of archive file

The archive file must contain the following folders and files:

| Zip folder | Description |
|------------|---|
| META-INF | <p>This folder contains the <i>config.properties</i> file, which is the build file for the plug-in. This properties file contains an entry of the following format:</p> <pre>com.softwareag.centrasite.computed.profile.webui.impl.class=com.sample.MyProfileImpl</pre> |
| lib | This folder contains the archive file with the source code examples, the plug-in's executor class and the external libraries. |

Sample code

Sample Java code for implementing a computed profile is supplied in the *demos* folder under CentraSite installation folder. The sample code is available in the files:

- ComputedProfile.java
- WebUIProfile.java

23 Namespaces

CentraSite is an XML registry and repository. In XML, a namespace identifies elements or attributes as belonging to a particular set of definitions. If several XML documents use the same element name or attribute name to denote different things, namespaces can be used to treat them as distinct objects. Elements marked as belonging to one particular namespace can, for example, be processed separately from the others, if required, by using filtering mechanisms, such as that provided by the XSLT stylesheet language.

When you create your own object types, you are prompted for a namespace. This is used as a namespace qualifier for the elements and attributes in the object type's schema definition.

The following example shows why namespaces are important: If you wish to import an object type definition from another CentraSite installation, and an object type of the same name but with a different definition already exists in your installation, it is nevertheless possible to import the object type definition as long as the namespaces differ.

A namespace is specified as a URL, for example, *http://www.MyCompany.com/MyDepartment*. The URL does not need to be the address of a real Web location, but it should be chosen to be unique to your business organization and represent your company or department as precisely as possible. This ensures that if your ontology is ever used in the same environment as an ontology from another organization, the chances of having the same namespace name are minimized.

Note:

Some namespaces are reserved for internal use in CentraSite and must not be used as user-defined namespaces:

- *http://namespaces.CentraSite.com/Schema*
- *http://namespaces.CentraSite.com/Schema/jaxr*

Namespaces are not displayed in the navigation views of the CentraSite Eclipse GUI. You can at any time see them in the details of a specific object type.

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Notifications

CentraSite provides features and functions for notifying users about changes to **registry objects**: Users can register notification requests for any number of registry objects. Whenever an object that is tagged for notification changes, the users are notified accordingly.

You can access the list of registry objects for which you have registered a notification request as well as the change notifications you have already received for your requests from the Notifications folder in the **My CentraSite view**. When a registry object for which you have registered a notification request changes, a corresponding alert is set and displayed for the object in the **Contents view**. To notice the next change of the object immediately, you can remove the alert in the view.

All users who have registered a **notification** request for a specific object are listed on the Notifications tab in the **CentraSite Details Editor**.

25 Security

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- Security Settings for Object Types 91
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- Security Settings for Folders and Files 93

CentraSite provides a sophisticated access control concept that allows you to define exactly which users can view and manipulate **registry objects** in the CentraSite registry and **folders and files** in the CentraSite repository. At different levels, access can be granted or denied to single users, groups or roles.

Access is controlled by permissions which define whether a user, a group or a role is allowed to perform a single operation or a set of operations. In the CentraSite Eclipse GUI, three types of permission are distinguished: view, edit or delete a registry object in the CentraSite registry or a folder or file in the CentraSite repository. View and edit permission for a registry object can be granted for its complete definition or it can be restricted to individual **profiles**.

The following help topics explain:

In the CentraSite Eclipse GUI, you can display the security settings on the **Permissions tab** in the **CentraSite Details Editor**. To define users, groups, roles and permissions, use the CentraSite Control (Web interface).

Users, Groups and Roles in CentraSite

A user to whom access can be granted or denied in CentraSite is a user who is known to an external authentication system (such as an operating system or Active Directory Server) and is mapped to a registry object of the User type. Registry objects of the User type are inactive until they are associated with an external user. Only active users can log on to CentraSite. For creating users and associating them to external users, use the CentraSite Control (Web interface). The **Registry Explorer view** of the CentraSite Eclipse GUI enable you to access the User objects and see whether a user is active or inactive.

A role defines a set of permissions. Each user is assigned at least one role. When a user is assigned to a role, he/she receives all the permissions defined for the role. CentraSite distinguishes between system-level roles and organization-level roles. Whereas system-level roles apply across all organizations, organization-level roles are effective for exactly one organization. For both types, CentraSite provides predefined roles. You can also create your own system-level and organization-level roles to suit your organizational requirements.

The following roles are examples of predefined system-level roles in CentraSite:

- **CentraSite Administrator:** The main administration role which provides access to the complete set of functions that is available in CentraSite.
- **Guest:** The default role for unauthenticated users. Users with this role are permitted to search and browse the assets stored in the CentraSite registry.
- **Asset Type Administrator:** A user with this role is permitted to create and manipulate object types and taxonomies.

The following roles are examples of predefined organization-level roles in CentraSite:

- **Asset Provider:** A user with this role can create and manage registry objects. Depending on the permission's scope, the user can either create and manage registry objects for their organization only or for all organizations defined in CentraSite.
- **Asset Consumer:** A user with this role can read registry objects. The user cannot create new registry objects. Depending on the permission's scope, the user can either read registry objects of their organization only or of all organizations defined in CentraSite.
- **Document Administrator:** A user with this role is responsible for managing an organization's Supporting Documents Library. The user can view, add, edit and delete documents.

A group defines a set of users with identical roles and permissions. CentraSite provides predefined groups. You can also create your own groups to suit your organizational requirements.

The functions for user, group and role management are available in the CentraSite Control (Web interface). For detailed information, refer to the documentation which comes with the CentraSite Control.

Security Settings for Object Types

For each object type in the CentraSite registry, you can define security settings which apply to all registry objects of this type. You can assign the permissions described below to individual users and/or roles.

Note: The security settings apply to the objects of a type, but not to the type itself. To control access to the object type definition, define **security settings for the registry object** which represents the type. The registry object representing the type is a Taxonomy object of type ObjectType.

Permissions for objects

Permission Description

| | |
|--------|--|
| View | Allows objects of the type to be read. |
| Edit | Allows objects of the type to be created and modified. |
| Delete | Allows objects of the type to be deleted. |

Permissions for associations

Permission Description

| | |
|--------|--|
| View | Allows associations for objects of the type to be read. |
| Edit | Allows associations for objects of the type to be created. |
| Delete | Allows associations for objects of the type to be deleted. |

Permissions for auditable events

Permission Description

| | |
|--------|--|
| View | Allows auditable events for objects of the type to be read. |
| Edit | Allows auditable events for objects of the type to be modified. |
| Delete | Allows auditable events for objects of the type to be deleted. |

Permissions for classifications

Permission Description

| | |
|--------|---|
| View | Allows classifications for objects of the type to be read. |
| Edit | Allows classifications for objects of the type to be created. |
| Delete | Allows classifications for objects of the type to be deleted. |

Security Settings for Registry Objects

For each **registry object** in the CentraSite registry, you can grant or deny the permissions described below to individual users, groups and/or roles.

Note the following:

- Users, groups and roles must also have the appropriate permissions for the registry object's type.
- When a user, group or role is assigned more than one permission, only the first is relevant. The remaining ones are ignored.

| Permission | Description |
|------------|--|
| View | Allows read operations for the object. View permission for a registry object can be granted to its complete definition or it can be restricted to individual profiles . |
| Edit | Allows modifications to the object. Edit permission for a registry object can be granted to its complete definition or it can be restricted to individual profiles. |
| Delete | Allows the object to be deleted. |

Security Settings for Folders and Files

For each **folder and file** in the CentraSite repository, you can grant or deny the permissions described below to individual users, groups and/or roles.

Note the following:

- When a user, a group or a role is assigned more than one permission, only the first is relevant. The remaining ones are ignored.
- Since the CentraSite repository is a WebDAV site, the security settings available correspond to WebDAV ACL privileges.

| Permission | Description |
|------------|--|
| View | Allows read operations for the folder or file. |
| Edit | Allows modifications to the properties of the folder or file. For folders: Allows subfolders and files in the folder to be created. For files: Allows the file contents to be changed. |
| Delete | For folders only: Allows subfolders and files in the folder to be deleted. |

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Audit Logs

CentraSite records in audit logs all actions carried out on **registry objects**. The audit log of a registry object allows you, for example, to find out when and by whom an object was created or changed.

The audit log of a registry object you select is displayed on the **Audit Log tab** in the **CentraSite Details Editor**.

Technically, audit log entries are stored as registry objects of the AuditableEvent type. An AuditableEvent object can be assigned an object-specific property named Comment whose value is displayed in the Comment column of the audit log.

III Tasks

This section describes the tasks and actions you can carry out in the CentraSite Eclipse GUI:

Browsing the CentraSite Registry

Browsing the CentraSite Repository

Using Favorites

Working with Registry Objects

Working with Supporting Documents and Resources

Working with Associations and External Links

Exporting Data from CentraSite

Importing Data into CentraSite

Working with Reports

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Browsing the CentraSite Registry

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| ▪ My CentraSite View | 100 |
| ▪ Registry Explorer View | 101 |
| ▪ Impact Analyzer View | 102 |
| ▪ Administration View | 102 |
| ▪ Contents and Search View | 103 |
| ▪ CentraSite Details Editor | 103 |
| ▪ Related Topics | 103 |

The CentraSite Eclipse GUI provides you with various ways and means to browse a [CentraSite registry](#):

Asset Types View

The **Asset Types view** allows you to access the assets stored in the CentraSite registry. In the view, you select which types of assets you want to access. After selecting the types, all assets that exist for these types are displayed in the **Contents view**. Two options are provided for selecting types in the Asset Types view:

- Select the checkboxes for the asset types you want to access. Then click the  button or double-click a type in the view to display all existing assets of the selected types in the Contents view.
- Press the  button. Now select a checkbox for an asset type to display the corresponding assets in the Contents view.

The  button toggles the selection mode in the view. The  button is only relevant when the  button is not pressed. The Workbench remembers the selection mode you have set for the Asset Types view. The next time you start the CentraSite Eclipse GUI, the selection mode is set as you left it.

My CentraSite View

The **My CentraSite view** allows you to access:

- Registry objects, folders and files that you use frequently or that you want to keep close at hand.
- Assets for which you are registered as owner.
- Searches and lists you have saved in CentraSite.
- Registry objects for which you have registered a notification request and for which you have received change notifications.

In the view, you select the elements that you want to access. After selecting an entry in the view, the corresponding registry objects are listed in the **Contents view**. Files and folders are listed in the **Documents view**. The  button in the toolbar of the view defines how to select an entry in the My CentraSite view:

-  button is pressed: Single-click an entry in the My CentraSite view to list the corresponding elements in the Contents or Documents view.
-  button is not pressed: Double-click an entry in the My CentraSite view to list the corresponding elements in the Contents or Documents view.

The Workbench remembers the selection mode you have set for the My CentraSite view. The next time you open the view, the selection mode is set as you have left it.

For your favorite registry objects, the My CentraSite view also allows you to open the [CentraSite Details Editor](#). Depending on your [preference settings](#), single-click or double-click a favorite registry object to view or modify its detailed definition in the editor.

Registry Explorer View

The registry objects displayed in the [Registry Explorer view](#) depend on how your system administrator has configured the view's contents. Different configurations can be available, from which you can choose the appropriate one to work with.

The default configuration sorts the registry objects in the view by organizations. For each organization, you can browse a tree structure that has branches for Organizations, Services, Users and all asset types for which assets exist in the registry.

Independent of the configuration, the view provides the following options:

- Click the plus sign (+) in front of a tree heading or a registry object name to expand the next level of the hierarchy.
- Click the minus sign (-) in front of a tree heading or a registry object name to collapse the hierarchy below.
- Use the [toolbar buttons and context menu options](#) for browsing the registry.
- Depending on the [preference settings](#) you have defined for the [Registry Tree Settings](#), view a list of the predefined number of assets or click the plus sign (+) at the end of the list to the next list of asset or view all assets.
- Depending on the [preference settings](#) you have defined for the [CentraSite Details Editor](#), single-click or double-click a registry object to view or modify its detailed definition in the editor.

Note: If the number of elements below a specific object in the tree exceeds 128, only 128 elements at a time are displayed. At the end of the list, n more elements is appended, where n is the number of elements not yet displayed. Via the context menu of this entry, you can select to show all elements or the next 128 elements.

Impact Analyzer View

The **Impact Analyzer view** represents registry objects and their associations and implicit references with other objects graphically. The graphical representation is enabled via a Flash-based Web browser.

The view is not included in the CentraSite perspectives by default. It is automatically opened when you start a graphical impact analysis with the Impact Analyzer.

The Impact Analyzer view provides the following options:

- Use the options in the view's menu bar to select the types of associations, implicit references and registry objects you want to include in the impact analysis and display in the view.
- Single-click a registry object in the view to display the object's owner, version number and description.



Important: If you are running the designer on a 64-bit operating system, ensure that you have installed the Adobe Flash Plugin 64-bit in the 64-bit Web browser.

Administration View

The **Administration view** allows you to access the registry objects namely, taxonomies and report templates. In the view, you select which objects you want to access. All objects that exist for the selected type are listed in the **Contents view**.

The  button in the toolbar of the Administration view defines how to select objects:

- If the  button is pressed: Single-click an entry in the Administration view to display the corresponding registry objects in the Contents view.
- If the  button is not pressed: Double-click an entry in the Administration view to display the corresponding registry objects in the Contents view.

The Workbench remembers the selection mode you have set for the Administration view. The next time you open the view, the selection mode is set as you have left it.

Contents and Search View

The **Contents view** and the **Search view** display registry objects in simple lists. The Contents view may also display objects in structured lists. You have the following options:

- Click the plus sign (+) in front of an entry to expand the next level of the structure.
- Click the minus sign (-) in front of an entry to collapse the structure below.
- Depending on the **preference settings** you have defined for the **CentraSite Details Editor**, single-click or double-click a registry object to view or modify its detailed definition in the editor.

The  button in the toolbar defines how to use the listed objects for browsing the registry:

- If the  button is pressed: Single-click an entry in the view to focus the corresponding object in the **Registry Explorer**.
- If the  button is not pressed: Double-click an entry in the view to focus the corresponding object in the Registry Explorer.

Note that an object in the Registry Explorer can only be focused if the  button is pressed in these views. The Workbench remembers the selection mode you have set for the Contents or Search view. The next time you open the views, the selection mode is set as you have left it.

CentraSite Details Editor

Specific tabs in the **CentraSite Details Editor** display registry objects in tables. By double-clicking an object or by selecting the Details option from the object's context menu, you can select the object and open its detailed definition in the CentraSite Details editor.

Related Topics

[Browsing the CentraSite Repository](#)

[Using Favorites](#)

[Displaying Associations and External Links](#)

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Browsing the CentraSite Repository

- Repository Explorer View 106
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- Related Topics 107

The CentraSite Eclipse GUI provides you with different means and ways to browse a [CentraSite repository](#).

Repository Explorer View

In the [Repository Explorer view](#), the folders of the CentraSite repository are shown in a tree like in any standard file explorer. You have the following options:

- Click the plus sign (+) in front of a folder name to expand the next level of the tree.
- Click the minus sign (-) in front of a folder name to collapse the tree below.
- Single-click a folder to select it. For a selected folder, the [Documents view](#) displays the folders and files it contains.

By default, the Repository Explorer view displays the contents of the Supporting Documents Library of the organization to which you are assigned. As an administrator, you can choose to display all folders of the CentraSite repository if you need to browse to folders and files stored outside the library. To do so, select the Advanced menu option in the view's toolbar. Deselect the menu option to switch back to displaying the contents of the Supporting Documents Library only.

Documents View

The [Documents view](#) displays the contents of the folder you have selected in the Repository Explorer view. You have the following options:

- Double-click a folder to display the folders and files it contains in the Documents view and focus it in the Repository Explorer view.
- Depending on the [preference settings](#) you have defined for the [CentraSite Details Editor](#), single-click or double-click an element in the Documents view to display its details in the CentraSite Details editor.
- Select Show Document in a file's context menu to display its contents in an editor. The editor depends on the file's type. You can specify the editors to be used for specific file types in the Preferences of the Eclipse Workbench.
- Click the  button in the toolbar or choose Up in the context menu to move up one level in the folder hierarchy, i.e. to display the contents of the current folder's parent folder in the Documents view.

Related Topics

[Browsing the CentraSite Registry](#)

[Using Favorites](#)

29 Using Favorites

- Adding Favorites 110
- Managing Favorites 111

The CentraSite Eclipse GUI allows you to create and maintain a list of your favorite **registry objects**. Your favorites are displayed in the My Favorites folder of the **My CentraSite view**.

You can add any registry objects to your favorite list, rename entries in the favorite list and remove obsolete entries from the favorite list.

In addition to working with you favorite registry objects, the CentraSite Eclipse GUI automatically provides you with direct access to all assets for which you are registered as owner and to all search queries and lists you have saved in CentraSite. Your assets, search queries and lists are automatically displayed in the My Favorites folder of the **My CentraSite view**.

In the My Favorites folder of the My CentraSite view, you can work in a way similar to the **Registry Explorer** views:

- Click the plus sign (+) in front of an entry to expand the next level of the structure.
- Click the minus sign (-) in front of an entry to collapse the structure below.
- Depending on the **preference settings** you have defined for the **CentraSite Details Editor**, single-click or double-click a registry object for viewing or modifying its detailed definition in the editor.
- Select a list, a search or the Assets I Provide entry to list the corresponding registry objects in the **Contents view**. To select an entry, single-click or double-click it, depending on the selection mode you have set for the My CentraSite view. This displays your assets or the objects contained in a list in the Contents view. The results of a search are displayed in the **Search view**.

Adding Favorites

To add a registry object to your favorites:

- Drag and drop the registry object from a **CentraSite navigation or list view** to the My CentraSite view.
- Or:
 1. Select the registry object in a CentraSite navigation or list view.
 2. Select Add to Favorites from the context menu.
 3. In the dialog displayed, specify a name for the favorite.

Managing Favorites

You can manage your favorites in the My CentraSite view.

To rename a favorite:

1. Select the favorite you want to rename.
2. Select Rename Favorite from the context menu, or press the F2 key on the keyboard.
3. Specify the new name in the dialog displayed.

To delete a favorite from the favorites list:

1. Select the favorite you want to delete.
2. Press the DELETE key on the keyboard, or select Delete Favorite from the context menu.
3. Confirm the deletion in the dialog displayed.

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Working with Registry Objects

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This section describes tasks and actions related to [registry objects](#):

Searching and Finding Registry Objects

The CentraSite Eclipse GUI provides you with an advanced search facility which helps you find [registry objects](#) in the CentraSite registry. It adds the following pages to the standard Search dialog of the Eclipse Workbench, which you use to specify the search criteria:

- [CentraSite Keyword Search page](#) for searches by keywords.
- [CentraSite Advanced Search page](#) for searches by search conditions.
- [CentraSite XQuery page](#) for searches by queries.

The registry objects found by a search are listed in the [Search view](#). In this view, you can repeat previous searches with the same or refined search criteria.

The following sections describe:

- The basic procedures for carrying out searches.
- How to specify keywords for a search.
- How to specify search conditions.
- How to specify queries in XQuery format.
 - [Executing a Search](#)
 - [Specifying Keywords](#)
 - [Specifying Search Conditions](#)
 - [Using XQuery](#)

Executing a Search

To execute a new search:

1. Do one of the following:
 - Click the  button in the main toolbar of the Eclipse Workbench.
 - Select Search > Search or Search > CentraSite from the main menu.
2. In the Search dialog:
 - Enter keywords on the [CentraSite Keyword Search page](#), or
 - Specify search conditions on the [CentraSite Advanced Search page](#), or
 - Enter a query in XQuery format on the [CentraSite XQuery page](#).

You can save defined keywords, search conditions or a query in XQuery format for later reuse: Type a name of your choice in the Saved search field of the corresponding search page and click Save. The saved queries are user-specific and can be used by the same user on any client. They are added to the My Favorites folder in the [My CentraSite view](#).

To use a query you have saved, just select it in the Saved search field.

3. Click Search to start the search.

The registry objects found are listed in the [Search view](#). You can work with the found registry objects in the same way as you work with other registry objects in a CentraSite navigation or list view.

You can abort a long-running search by clicking the  button in the Search view.

In the Search view, you can:

- Repeat the most recent search: Click the  button or press F5.
- Repeat a previous search by selecting it in the list that is displayed when you click the arrow next to the  button. The entire list of previous searches can be deleted with Clear History at the bottom of the list. In the dialog displayed when you click the  button or when you select History in its menu, you can remove individual entries from the search history.
- Repeat the most recent search with refined criteria: Click the  button. In the Search dialog, specify additional search conditions on the CentraSite Search page, change the keywords on the CentraSite Keyword Search page or change the query on the CentraSite XQuery page, as required.

In the My CentraSite view, you can:

- Repeat a saved search: Click the name of the saved search in the My Favorites folder.
- Delete a saved search: Navigate to the search to be deleted in the My Favorites folder and choose Delete Saved Search from the context menu.

Specifying Keywords

On the [CentraSite Keyword Search page](#) of the Search dialog, you can specify keywords for searching for registry objects. All objects will be found that contain the specified text strings in their name, description, or any property of the string data type.

Specifying Search Conditions

On the [CentraSite Advanced Search page](#) of the Search dialog, you can specify search conditions. The search conditions you have defined are displayed in the table. One condition specifying the type of the registry objects to be found is always present. You can change it, but not remove it.

All search conditions you specify are combined by logical ANDs in the search. They cannot be ORed.

You have the following options of specifying search conditions:

- Add a new search condition: Click the  button. In the Add Condition dialog, select a condition and specify its details. The available conditions depend on the selected object type. For a description of all conditions, refer to [Search and filter conditions](#).
- Remove a search condition: Select the condition in the table and click the  button.
- Modify an existing search condition: Double-click the condition in the table and specify the new details in the Modify Condition dialog.

Using XQuery

You can use queries in XQuery format to search for registry objects. On the [CentraSite XQuery page](#) of the Search dialog, you can type or paste any query that fulfills the syntactical and semantical requirements of CentraSite and returns a list of registry objects as its result. For details on XQuery in CentraSite, contact your CentraSite support organization.

The CentraSite Eclipse GUI offers the following feature to help you write queries for searching registry objects: On the CentraSite Advanced Search page of the Search dialog, specify search conditions of your choice. When you click the  button, a new Search dialog is opened and the XQuery representation of the search conditions is displayed on the CentraSite XQuery page. Now you can, for example, execute the query, edit it, or save it for later reuse.

Creating Registry Objects

You can create new [registry objects](#) of any object type in the CentraSite Eclipse GUI. The CentraSite Eclipse GUI distinguishes between creating registry objects representing assets and supporting objects.

- [Creating Assets](#)
- [Creating Supporting Objects](#)

- [Related Topics](#)

Creating Assets

To create an asset:

1. Do one of the following:
 - Use the [Asset Types](#) or [My CentraSite view](#) to display any assets in the [Contents view](#). Click [+](#) in the toolbar of the Contents view.
 - In the [Registry Explorer view](#), select the organization that provides the asset. Select New > Asset in the context menu.
2. On the Asset Details page of the Create Asset wizard, select the organization to which the new asset is to be assigned.
3. Select the type for the new asset.
4. Enter the name and, optionally, a description for the new asset. The name and description you enter in the dialog are stored for the language selected in the [Preferences](#) of the Eclipse Workbench.
5. Click Finish to open the [CentraSite Details Editor](#) for the new asset.
6. Use the tabs in the editor to [define further details](#). The tabs that are displayed depend on the asset's type. You can, for example, define [properties](#), [associations](#), [external links](#) or [classifications](#) for the asset.
7. Save the object's definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Note:

To represent SOA assets in CentraSite, it is often not sufficient to create a single object in the registry. For example, a Web service or a process definition is represented by several [registry objects](#) as well as [folders and files](#) in the CentraSite repository. Refer to [Creating services](#) for the basic steps required to represent a Web service in CentraSite.

Instead of creating all the required registry objects, folders and files manually, you can use the CentraSite [import functions](#). These functions allow you to import data of different types and create all the required registry objects, folders and files.

Creating Supporting Objects

To create a supporting object:

- Use the **Administration view** to display a list of existing supporting objects in the **Contents view**. Click **+** in the view's toolbar to start the New Object wizard for creating a new object.
- Use the **My CentraSite** or **Registry Explorer view** to navigate to the parent object under which you want to create the new registry object. Select the type of registry object you want to create from the New submenu in the parent's context menu. This starts the New Object wizard. The New submenu offers all the object types available for new registry objects at this position. For example, if you have selected an organization, you can create objects of type Organization or User below it.

The pages of the New Object wizard differ, depending on the type of supporting object you are creating. To fill in the wizard:

1. On the first page of the wizard, specify the new object's **properties**, as requested. The properties depend on the type of registry object you are creating. For all types of object, you can specify a name and a description. The name and description you enter are stored for the language selected in the **Preferences** of the Eclipse Workbench. Clicking the  button next to the Name or Description field opens a **dialog** where you can enter names and descriptions for different locales.
2. Click Next to move to the next wizard page, or click Finish to create the object now without defining custom properties.
3. On the Custom Properties page, you can define **object-specific properties** for the new registry object. For each property, you can define a name, a namespace in which the property is valid and one or several values.
4. Click Finish to close the wizard and open the **CentraSite Details Editor** for the new object.
5. Use the tabs in the editor to **define further details**. The tabs that are displayed depend on the object's type. You can, for example, define **properties**, **associations**, **external links** or **classifications** for the object.
6. Save the object's definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Related Topics

[Updating Registry Objects](#)

[Deleting Registry Objects](#)

[Creating Associations Between Objects](#)

[Classifying Registry Objects](#)

[Creating External Links for Objects](#)

Creating Services

In order to represent a Web service in CentraSite, you will usually use the **import Web service** function. In some cases, however, you may wish to manually create the **registry objects** for a Web service.

The following registry objects are required to represent a Web service:

- An object of the Service type representing the service itself.
- ServiceBinding objects that describe a specific way to access a specific interface offered by a service. Each service may have a set of service bindings.
- SpecificationLink objects that link a service binding and a registry object which represents a service interface with operations or a specification that describes how to use the service via the service binding. Each service binding may have a set of specification link instances. Usually, registry objects linked to a service by a specification link are categories or objects of the Interface type. The linked objects are displayed below the corresponding specification links in the tree.
- An external link to a WSDL file in the CentraSite repository describing the service.

To manually create these objects and files:

1. Do one of the following:
 - Use the **Asset Types** or **My CentraSite view** to display any assets in the **Contents view**. Click  in the toolbar of the Contents view.
 - In the **Registry Explorer view**, select the organization that provides the Web service. Select **New > Service** in the context menu.
2. On the Asset Details page of the Create Asset wizard, select the organization to which the new service is to be assigned.
3. Select Service as the type.
4. Enter the name and, optionally, a description for the new service. The name and description you enter in the dialog are stored for the language selected in the **Preferences** of the Eclipse Workbench.
5. Click Finish to open the **CentraSite Details Editor** for the new service.
6. Use the tabs in the editor to **define further details**.
7. Save the service's definition, for example, by selecting **File > Save** from the main menu or by typing **Ctrl+S**.
8. Add the service bindings to the service, for example, by navigating to the service in a CentraSite navigation or list view and selecting **New > Service Binding** from the service's context menu.

9. Add specification links to each service binding as required, for example, by navigating to a service binding in a CentraSite navigation or list view and selecting New > Specification Link from the service binding's context menu.
10. Attach the appropriate WSDL file to the service. You can do this in one of the following ways:
 - Use the **import Web service** function and specify the appropriate WSDL file. As a prerequisite, the service object in the registry must have the following **external classifications**: `uddi-org:xml:namespace` taxonomy, namespace in WSDL file specified as the classification value. `uddi-org:xml:localName` taxonomy, service's name in WSDL file specified as the classification value. The import function can thus locate the service in the WSDL file and update the registry and repository accordingly.
 - Use the Attach WSDL option in the context menu of the service object in the registry. This menu option displays a dialog where you can specify the WSDL file to be used in the same way as when importing a Web service. In this case, the service's namespace and local name in the registry are set to the namespace and local name specified in the WSDL file.

Versioning Services

When you create a new version of a registry object of the Service type, the following actions are performed:

- A new registry object of the Service type is created, which represents the new version and has its own key.
- The name and description of the old version are copied to the new version. You can modify them later, if required, either manually or by attaching a new WSDL file to the new service version.
- The **namespace** of the new version is the one you specify in the New Version wizard.
- The **properties** of the old version are copied to the new version, except for the following: The new version has its own unique key. The user version identifier of the new version is the one you specify in the New Version wizard.
- The major version number of the CentraSite version identifier is increased by 1 for the new version, the minor version number is set to 0.
- The **stability and expiration date and time** of the old version are copied to the new version.
- The new version is assigned to the same organization as the old version.
- The new version is assigned the same internal and external **classifications** as the old version.
- The service bindings and specification links of the old service version are copied to the new version. Registry objects which are referenced by the specification links (e.g. Interface objects) are also copied. If these objects are versionable, the copies are represented as new versions. The new service version re-uses all required files of the old version in the repository. New versions

of the relevant **external links** are created, which link the new service version and the existing files.

- **Associations** of the old service version as well as of its service bindings and specification links are copied to the new version according to the rules described below.
- **Attributes and profiles** of the old version are copied to the new version. See above for the actions performed for properties, classifications, associations or external links. The same actions are performed when copying attributes that visualize properties, classifications, associations or external links.
- Subscriptions for **notifications** at the old version are NOT copied to the new version. Similarly, if you added the old version to your **favorites**, the new version is NOT added automatically.
- The **security settings** of the old version are copied to the new version.
- The **audit log** of the old version is copied to the new version, and a new entry is added for the versioning operation at the new version.

Handling of Associations

When you create a new version of a service, its associations and the corresponding target or source objects are handled according to the following rules. The same rules apply to associations assigned to service bindings and specification links of the service.

Outgoing associations:

- Associations of the following types are NOT copied to the new version of the service, i.e. the new version does not have these associations: `BelongsTo`, `HasParent`, `EquivalentTo`, `Extends`, `Supersedes`, user-defined associations.
- Associations of the following types are copied to the new version and linked to the same target object as for the old service version: `RelatedTo`, `ExternallyLinked`, `InstanceOf`, `Uses`, `Replaces`, `ResponsibleFor`, `SubmitterOf`.
- Associations of the following types are copied to the new version and linked to a copy of the target object: `HasChild`, `HasMember`, `Contains`, `Implements`. The copy of the target object is created by the versioning operation. If the target object is a versionable object, the copy is represented as a new version of the target object.

Incoming associations:

- Associations of the following types are NOT copied to the new version of the service, i.e. the new version does not have these associations: `BelongsTo`, `RelatedTo`, `HasChild`, `HasMember`, `ExternallyLinked`, `Contains`, `EquivalentTo`, `Extends`, `Implements`, `Supersedes`, `Uses`, `Replaces`, `ResponsibleFor`, `SubmitterOf`, user-defined associations.
- Associations of the following types are copied to the new version and linked to the same source object as for the old service version: `InstanceOf`.

- Associations of the following types are copied to the new version and linked to a copy of the source object: HasParent. The copy of the source object is created by the versioning operation. If the source object is a versionable object, the copy is represented as a new version of the source object.

Updating Registry Objects

You can update a **registry object** in the **CentraSite Details Editor** when the object's definition is displayed. To update an object:

- Depending on the **preference settings** you have defined for the CentraSite Details editor, single-click or double-click a registry object in a CentraSite view to open the editor.
- Use the **tabs in the editor** to modify the object's details. The tabs that are displayed depend on the object's type. See below for hints on how to update the definition.
- Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

In the CentraSite Details editor, you use the different tabs for updating **properties**, **associations**, **external links** or **classifications** of the registry object:

- Use the Object-Specific Properties, Associations, External Links or Classifications tab if no **attribute** exists that maps to the property, the association, the external link or classification you want to create, modify or remove.
- Use the set of custom profiles that is visible for the object to create, modify or remove attributes that map to a property, an association, an external link or a classification. Do not use the tabs for the predefined profiles if corresponding attributes are available in **custom profiles**.

Note the following hints for updating an object's definition:

| | |
|--------------------------|--|
| Mandatory attribute | Attributes marked with an asterisk (*) are mandatory. The object's definition cannot be saved without entering a value for these attributes. |
| Read-only attribute | Attributes can be read-only. The value given for the attribute cannot be changed. |
| <input type="checkbox"/> | If the attribute has a <input type="checkbox"/> button next to it, multiple values can be specified. Enter the first value in the field and click <input type="checkbox"/> . A new line is inserted for entering the next value. You can enter as many values as required. |
| <input type="checkbox"/> | If the attribute has a <input type="checkbox"/> button next to it, click it to remove an attribute value you no longer need. |

| | |
|---|---|
| Simple input field | <p>For some attributes, you can type the value directly in the input field. For example, the Description property can be entered directly. If the attribute supports values for different locales, the value you type in the field is stored for the language selected in the Preferences.</p> <p>Input fields offer basic text editing functions such as undo, cut, copy, and paste, that help you entering values.</p> |
|  | <p>If the attribute has a  button next to it, click it, and update the value in the dialog displayed. For specific properties, for example, the Name and Description properties, you can enter and change values for different locales in this dialog. Click OK to apply your changes and close the dialog.</p> |
|  | <p>If the attribute has a  button next to it, click it, and enter a date and/or time in the Select Date and Time dialog.</p> |
|  | <p>If the attribute has a  button next to it, its value represents a registry object. For example, the Owner of an object is a registry object of the User type. To enter or change the value, click the  button and select the appropriate object in the Select Object dialog. Click OK to apply your changes and close the dialog.</p> |
|  | <p>If the attribute has a  button next to it, its value represents an external link. To define the external link, click the  button and enter the URL of the external resource that is to become the target of the external link, for example, <code>http://myserver:53305/CentraSite/ino:dav/documents/icons/dbms.gif</code>. Alternatively, you can select a document from the file system of your computer that is to become the target of the external link.</p> <p>Note: If you have specified a password-protected document, and the document you want to access requires user authentication, simply enter the username and password in the authentication dialog. This authentication request happens only when you try to access a protected document for the first time.</p> |

Classifying Registry Objects

You can categorize [registry objects](#) by [internal and/or external classifications](#).

You can assign any number of internal and external classifications to a registry object, and add or remove assignments later. The classifications assigned to a selected registry object are displayed on the [Classifications tab](#) in the [CentraSite Details Editor](#). You can also display all registry objects that are classified by a selected category.

Use the following options for assigning and deassigning classifications only for classifications that are not represented by [attributes](#) in one of the custom profiles in the CentraSite Details editor. For working on attributes, use the mechanisms for [updating registry objects](#).

Note: The object type is a specific category (ObjectType taxonomy), which is assigned implicitly to a registry object when the object is created. This assignment cannot be changed.

- [Assigning Classifications to Registry Objects](#)
- [Deassigning Classifications from Registry Objects](#)
- [Displaying Classified Registry Objects](#)

Assigning Classifications to Registry Objects

To assign classifications to registry objects, use one of the following procedures:

- Classify menu option in a [CentraSite navigation or list view](#) to assign internal or external classifications:
 1. In a CentraSite navigation or list view, select one or more objects to which you want to assign classifications.
 2. Select Classify from the context menu.
 3. In the Classify wizard, specify whether you want to assign internal or external classifications to the registry objects. Click Next.
 4. If you choose to assign internal classifications, select the appropriate category or categories on the [Select Categories](#) page of the wizard. Click Finish to create the classification assignments. If you choose to assign an external classification, select the appropriate taxonomy on the [Select Taxonomy](#) page of the wizard. Click Next. On the Specify Classification page, specify the classification name and value.
 5. Click Finish to create the classification assignments.
- Add Internal Classifications option on the Classifications tab in the CentraSite Details editor to assign internal classifications:
 1. Depending on the [preference settings](#) you have defined for the CentraSite Details editor, single-click or double-click the registry object to which you want to assign internal classifications in a CentraSite view to open the editor. The object's classifications are displayed on the Classifications tab.
 2. On the Classifications tab, click  in the toolbar, or select Add Internal Classifications from the table's context menu.
 3. On the [Select Categories](#) page of the Add Internal Classifications wizard, select the appropriate category or categories.
 4. Click Finish to create the classification assignments.
 5. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.
- Add External Classification option on the Classifications tab in the CentraSite Details editor to assign an external classification:
 1. Depending on the [preference settings](#) you have defined for the CentraSite Details editor, single-click or double-click the registry object to which you want to assign an external classification in a CentraSite view to open the editor. The object's classifications are displayed on the Classifications tab.

2. On the Classifications tab, click  in the toolbar, or select Add External Classification from the table's context menu.
3. On the **Select Taxonomy** page of the Add External Classification wizard, select the appropriate taxonomy, and click Next.
4. On the Specify Classification page, specify the classification name and value.
5. Click Finish to create the classification assignment.
6. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Deassigning Classifications from Registry Objects

To deassign internal and/or external classifications from a registry object:

1. Depending on the **preference settings** you have defined for the CentraSite Details editor, single-click or double-click the registry object from which you want to deassign classifications in a CentraSite view to open the editor. The object's classifications are displayed on the Classifications tab.
2. On the Classifications tab, select the classifications you want to deassign from the object.
3. Click  in the toolbar, or select Remove Classifications from the context menu.
4. Confirm the removal in the dialog displayed.
5. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Displaying Classified Registry Objects

To display the registry objects classified by a category:

1. Navigate to the required category. Use the **Administration view** to display the taxonomy to which the category belongs in the **Contents view**.
2. Select Show Objects Classified By from the category's context menu. The registry objects classified by the selected category are displayed in the **Search view**.

Organizing Registry Objects in Lists

You can organize and group **registry objects** by assigning them to lists. You can assign any number of registry objects of the same or different types to any number of lists, and add or remove list assignments later.

The lists you have created are displayed in the My Favorites folder in the **My CentraSite view**. Depending on the selection mode you have set for the view, you can single-click or double-click a list entry in the view to display the registry objects assigned to it in the **Contents view**.

To assign registry objects to lists:

1. In a **CentraSite navigation or list view**, select one or more objects which you want to assign to a list.
2. Select Add to List from the context menu.
3. In the Add To List dialog, select the list to which the objects are to be assigned. You can add the objects to an existing list or create a new one.
4. Click OK to create the assignments.

To deassign a registry object from a list:

1. Depending on the selection mode you have set for the My CentraSite view, single-click or double-click the list from which to deassign registry objects in the My CentraSite view. The registry objects currently assigned to it are listed in the Contents view.
2. Select one or more objects that you want to deassign from the list.
3. Select Remove from List from the context menu.
4. Confirm the removal in the dialog displayed.

Impact Analysis for Registry Objects

You can carry out an impact analysis for any registry object in the CentraSite registry. An impact analysis helps you determine which registry objects will be affected by changes to a selected object.

The CentraSite Eclipse GUI supports the following types of impact analysis:

- **Textual impact analysis:** A textual impact analysis retrieves registry objects that have associations or implicit references with a selected object and displays them in the **Contents view**. The list shows which objects will be affected by a change to the selected one.

To carry out a textual impact analysis for a registry object, select the object in a CentraSite navigation or list view and choose Impact Analysis > Textual from its context menu.

- Graphical impact analysis with the Impact Analyzer: The **Impact Analyzer view** represents registry objects and their **associations and implicit references** with other objects graphically. The Impact Analyzer's graphical representation is displayed using a Flash-based Web browser. You can see the inter-dependencies of the objects and navigate the object structure. The menu options in the view's menu bar allow you to determine exactly what you want to display, and to resize and print the graph as required.

You can open the Impact Analyzer view from a selected registry object in a **navigation or list view** by choosing Impact Analysis > Graphical - Analyzer from its context menu.



Important: If you are running the designer on a 64-bit operating system, ensure that you have installed the Adobe Flash Plugin 64-bit in the 64-bit Web browser.

For each type of impact analysis, you can specify exactly which types of objects, associations and implicit references are to be taken into account and to be displayed in the Impact Analyzer or Contents view.

To do this for the graphical analysis with the Impact Analyzer, start an analysis and specify the corresponding settings using the **menu options available in the view**. When the view is opened, the results of the analysis are displayed with the most recent settings that you have used.

To define the settings for the graphical analysis with textual analysis, specify the corresponding options in the **Customize** dialog, which you can invoke in one of the following ways:

- Select Impact Analysis > Customize from the context menu of a registry object in a CentraSite navigation or list view.
- Click  in the toolbar of the Contents view.

Be aware that the settings you make in the Customize dialog are valid for both graphical and textual impact analysis.

Note: CentraSite automatically performs an implicit impact analysis when you attempt to perform an operation that might violate overall system integrity by breaking usage relationships (for example, when you try to delete a Web service that is still in use by a business process). In such cases, you will be prompted for confirmation or the operation will not be executable at all.

- [Related Topics](#)

Related Topics

[Browsing the CentraSite Registry](#)

[Displaying Associations and External Links](#)

[Impact Analysis for Folders and Files](#)

Working with Registry Object Versions

This section describes tasks and actions related to [registry object versions](#):

- [Creating Registry Object Versions](#)
- [Displaying Registry Object Versions](#)
- [Deleting Registry Object Versions](#)

Creating Registry Object Versions

In this release of CentraSite, you can explicitly create new [versions](#) of registry objects of the Service type.

The general procedure to create a new version of a registry object is described below. The actions performed depend on the type of the registry object. For details on the actions performed when versioning services, see [Versioning services](#).

To create a new version of a registry object:

1. In a [CentraSite navigation or list](#) view, navigate to the registry object for which you want to create a new version. If the registry object already has more than one version, select the most recent version.
2. Select Versions > New from the object's context menu.
3. On the Create New Version page of the New Version wizard, you can specify a [namespace](#) and a user version identifier for the new version. You can also describe how the old version has changed compared to the new version to be created. The default value of the user version identifier is generated as follows: If the user version identifier is identical to the CentraSite version identifier of the old version, the user version identifier of the new version is set to the new CentraSite version identifier; otherwise the value of the user version identifier is left unchanged.
4. Click Finish to create the new version.

A log of the versioning operation is created and displayed in the [Contents view](#).

The log provides the following information:

- For each processing step, one line is displayed in the view.
- The Status column shows if the processing was successful (OK), or whether errors or warnings occurred. A corresponding message is displayed in the Message column.
- On top of the table, the number of successful steps, warnings and errors is displayed.

Displaying Registry Object Versions

The [CentraSite navigation and list views](#) display all existing [versions](#) of [registry objects](#). In order to obtain an overview of the versions of a specific object, you can display the object's definition in the [CentraSite Details Editor](#) and list the individual versions on the [Versions tab](#).

On the Versions tab, you can choose the Details option from a version's context menu to open the version's detailed definition in the editor area.

Deleting Registry Object Versions

CentraSite provides options for deleting the [versions](#) of [registry objects](#). As a prerequisite, the object versions must not be the target of an [association](#), and they must not be the source of implicit references.

Deleting the Most Recent Object Version

You can delete the most recent version of a registry object in the same way as you can [delete objects](#) that do not have multiple versions:

1. In a [CentraSite navigation or list view](#), navigate to the registry object version you want to delete.
2. Press the DELETE key on the keyboard, or select Delete from the version's context menu.
3. Confirm the deletion in the dialog displayed.

Purging Object Versions

You can delete all predecessor versions of a selected registry object version in a single operation:

1. In a CentraSite navigation or list view, navigate to the registry object version whose predecessor versions you want to delete.
2. Select Versions > Purge from the version's context menu.
3. Confirm the deletion in the dialog displayed.

Using Notifications

CentraSite provides features and functions for **notifying** you about changes to **registry objects**. You can register notification requests for any number of registry objects. Whenever such an object changes, you are notified accordingly.

You can access the list of registry objects for which you have registered notification requests as well as the corresponding change notifications from the Notifications folder in the **My CentraSite view**. Using the Notifications entry, you can display the list of change notifications you have already received for your notification requests in the **Contents view**. Using the Subscriptions entry, you can display the list of registry objects for which you have registered a notification request in the Contents view.

All users who have registered a notification request for an object are listed on the **Notifications tab** in the **CentraSite Details Editor** when the object's definition is displayed.

- [Registering and Managing Notification Requests for Registry Objects](#)
- [Managing Change Notifications](#)

Registering and Managing Notification Requests for Registry Objects

To register a notification request for a registry object:

1. In a **CentraSite navigation or list view**, navigate to the registry object you are interested in.
2. Select Notify me from the object's context menu.

To display the notification requests you have registered:

In the **My CentraSite view**, double-click or single-click the Subscriptions entry in the Notifications folder, depending on the selection mode you have set for the view. This displays all registry objects for which you have registered a notification request in the **Contents view**.

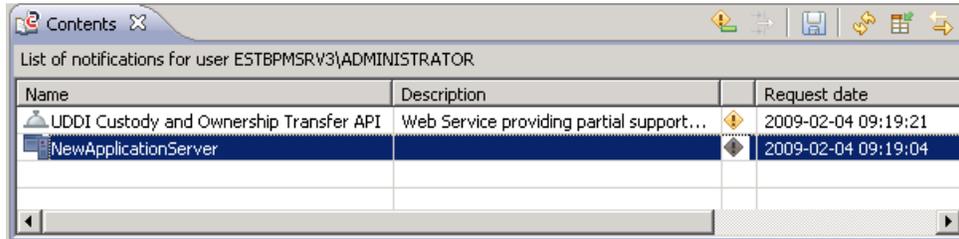
To deregister a notification request for a registry object:

1. Display the registry objects for which you have registered a notification request in the Contents view.
2. Select the registry object for which you want to deregister the notification request.
3. Click  in the view's toolbar, or select Remove from Subscriptions from the object's context menu.

Managing Change Notifications

To manage your change notifications:

In the **My CentraSite view**, double-click or single-click the Notifications entry in the Notifications folder, depending on the selection mode you have set for the view. This displays the list of change notifications you have already received for your requests in the Contents view.



The Request Date column displays the date and time you registered the notification request. The  icon indicates that the registry object has been changed since you registered the notification request or since you last removed the change alert.

To acknowledge that you have received a notification:

1. Select the registry object for which you want to acknowledge that you have received the notification in the Contents view.
2. Click  in the view's toolbar.

The  alert icon indicating a notification for the selected object is removed. You thus acknowledge that you have received the notification.

Deleting Registry Objects

You can delete objects from the CentraSite registry. As prerequisites, the object to be deleted must not be the target of an **association** unless you have simultaneously selected the source of the **association** for deletion, and it must not be the source of an implicit reference.

▶ To delete one or more registry objects

- 1 In a **CentraSite navigation or list view**, select one or more registry objects you want to delete.
- 2 Press the DELETE key on the keyboard, or select **Delete** from the context menu.
- 3 Confirm the deletion in the dialog displayed.

The selected objects are deleted, and the CentraSite views are updated accordingly.

31 Working with Supporting Documents and Resources

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| ■ Updating Properties of Folders and Files | 135 |
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| ■ Saving Files to the Eclipse Workspace | 137 |
| ■ Renaming Folders and Files | 138 |
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This section describes tasks and actions related to **files and folders** in the CentraSite repository.

Creating Folders and Files

You can create new **folders and files** in the CentraSite repository from the CentraSite Eclipse GUI. New folders are created directly in the repository. Creating a new file means uploading an existing file from the file system to the repository.

To create a new folder:

1. In the **Repository Explorer** or **Documents view**, navigate to the folder under which you want to create the new folder.
2. Select **New > Folder** from the folder's context menu.
3. In the **New Folder** dialog, specify the name for the new folder.
4. Click **OK** to create the folder.

To create a new file:

1. In the **Repository Explorer** or **Documents view**, navigate to the folder under which you want to create the new file.
2. Select **New > File** from the folder's context menu.
3. In the **New File** dialog, specify the path and name of the file you want to upload to the repository, or use the **Browse** button to select the file in the file system of your computer.
4. Click **OK** to upload the file to the CentraSite repository.

Depending on the editor settings you have defined in the **Preferences** of the Workbench, you can double-click or single-click a new folder or a new file in the **Repository Explorer** or **Documents view** to display its details in the **CentraSite Details Editor**.

Related Topics

[Updating Properties of Folders and Files](#)

[Deleting Folders and Files](#)

Updating Properties of Folders and Files

You can update the **properties** of a folder or file in the **CentraSite Details Editor**. A new version of a file is created each time its definition is modified.

You can:

- Rename files or folders.
- Change the description of files.

To rename a file or folder:

1. Depending on the editor settings you have defined in the **Preferences** of the Workbench, double-click or single-click the folder or file to be renamed in the **Repository Explorer** or **Documents view** to display its details in the CentraSite Details editor.
2. On the General tab, type the new name directly in the Name field.
3. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Alternatively, you can use the Repository Explorer or the Documents view to rename files or folders: Navigate to the folder or file to be renamed and select the Rename option from the folder's or file's context menu.

To change the description of a file:

1. Depending on the editor settings you have defined in the Preferences of the Workbench, double-click or single-click the file in the Repository Explorer or Documents view to display its details in the CentraSite Details editor.
2. On the General tab, type the new description directly in the Description field.
3. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Displaying the Contents of Files

You can display the current contents of a **file** stored in the CentraSite repository. The editor that is opened depends on the file's type. You can specify the editors to be used for specific file types in the **Preferences** of the Workbench.

You have the following options for displaying the contents of a file:

- Using the **Documents view**.

- Using the **Versions tab** in the **CentraSite Details Editor**.

To display the contents of a file using the Documents view:

1. Navigate to the folder that contains the file.
2. Single-click the folder to display the files it contains in the Documents view.
3. Select Show Document from a file's context menu to display the file's contents.

To display the contents of a file using the Versions tab in the CentraSite Details editor:

1. Depending on the editor settings you have defined in the Preferences of the Workbench, double-click or single-click the file in the Documents view to display its contents in the CentraSite Details editor.
2. Activate the Versions tab to display the versions that exist for the file.
3. Select Show Document from a version's context menu to display the file's contents.

Related Topics

Displaying File Versions

Displaying File Versions

The **files** stored in the CentraSite repository are versionable. A new version of a file is created each time changes to it are uploaded to the repository or each time its definition is modified.

To obtain an overview of the versions of a specific file:

1. Depending on the editor settings you have defined in the **Preferences** of the Workbench, double-click or single-click a file in the **Documents view** to display its details in the **CentraSite Details Editor**.
2. Activate the **Versions tab** to display the versions that exist for it.

On the Versions tab, you can select the Details option from a version's context menu to open the version's definition in the CentraSite Details editor.

You can select the Show Document option from a version's context menu to display its contents in an editor. The editor that is opened depends on the file's type. You can specify the editors to be used for specific file types in the Preferences of the Workbench.

Related Topics

[Displaying the Contents of Files](#)

[Updating Properties of Folders and Files](#)

Impact Analysis for Folders and Files

You can carry out an impact analysis for any **folder or file** in the CentraSite repository. An impact analysis helps you determine which **registry objects** will be affected by changes to a folder or file.

An impact analysis for a file retrieves all registry objects that depend on it, for example, because they have an **external link** to it. An impact analysis for a folder retrieves all registry objects that depend on the folder itself or on any folder or file it contains.

To carry out an impact analysis for a folder or file:

1. In the **Repository Explorer** or **Documents view**, navigate to the folder or file for which you want to carry out an impact analysis.
2. Select Impact Analysis from the folder's or file's context menu.

The registry objects found by the impact analysis are listed in the **Contents view**.

Related Topics

[Impact Analysis for Registry Objects](#)

Saving Files to the Eclipse Workspace

You can copy any **file** stored in the CentraSite repository to your Eclipse workspace:

1. Do one of the following:
 - In the **Documents view**, navigate to the file you want to copy to your Eclipse workspace.
 - On the **External Links tab** displayed for a registry object in the **CentraSite Details Editor**, select an **external link** which refers to the file you want to copy to your Eclipse workspace.
2. Select Save to Workspace from the file's or external link's context menu.
3. In the Save Resource dialog, specify or select the location and name for the file in your workspace.
4. Click Finish to copy the file from the repository to your workspace.

Renaming Folders and Files

You can rename **folders and files** in the CentraSite repository. The folder or file you want to rename must not be the target of an **external link**. Folders you want to rename must not contain folders or files that are the targets of external links.

You have the following options for renaming folders and files:

- Using the **Repository Explorer** or the **Documents view**.
- Using the **General tab** in the **CentraSite Details Editor**.

To rename a folder or file using the Repository Explorer or Documents view :

1. In the Repository Explorer or Documents view, navigate to the folder or file you want to rename.
2. Select Rename from the folder's or file's context menu.
3. Type the new name in the dialog displayed.
4. Click OK to apply the changes.

To rename a folder or file using the General tab in the CentraSite Details editor:

1. Depending on the editor settings you have defined in the **Preferences** of the Workbench, double-click or single-click the folder or file to be renamed in the Repository Explorer or Documents view to display its details in the CentraSite Details editor.
2. On the General tab, type the new name directly in the Name field.
3. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Deleting Folders and Files

You can delete **folders and files** from the CentraSite repository. When you delete a folder, all its contents are also deleted.

The folder or file you want to delete must not be the target of an **external link**. Folders you want to delete must not contain folders or files that are the targets of external links.

To delete one or more folders or files:

1. In the **Repository Explorer** or **Documents view**, select one or more folders or files you want to delete.
2. Press the DELETE key on the keyboard, or select Delete from the context menu.

3. Confirm the deletion in the dialog displayed.

32 Working with Associations and External Links

- Displaying Associations and External Links 142
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- Removing External Links 148

This section describes tasks and actions related to [associations](#) and [external links](#):

Displaying Associations and External Links

For displaying [associations](#) and [external links](#) of registry objects, you can use the following components of the CentraSite Eclipse GUI:

- [Associations tab](#) in the [CentraSite Details Editor](#) for listing associations.
- [External Links tab](#) in the CentraSite Details editor for listing external links.

Additionally, the [Contents view](#) and the [Classifications tab](#) in the CentraSite Details editor display the target objects of specific associations and implicit references.

Associations can also be displayed in the set of [custom profiles](#) that is visible for a registry object in the CentraSite Details editor. As a prerequisite, an [attribute](#) which maps to the displayed association must have been defined in the registry object's type definition.

Related Topics

[Browsing the CentraSite Registry](#)

Creating Associations Between Objects

You can connect registry objects with each other by [associations](#). You have the following options for creating associations. These options are described below.

- [Creating Associations by Drag and Drop](#)
- [Creating Associations Using the Associations Tab](#)
- [Related Topics](#)

Use these options only for associations that are not represented by [attributes](#) in one of the custom profiles in the CentraSite Details editor. For working on attributes, use the mechanisms for [updating registry objects](#).

Creating Associations by Drag and Drop

To create an association between two registry objects using drag and drop:

1. In a **CentraSite navigation or list view**, navigate to the object which is to become the source object of the association, and drag it to the object which is to become the target object of the association.
2. In the dialog displayed, select the type of association you want to create between the two objects.
3. Click OK to create the association.

Creating Associations Using the Associations Tab

Using the Assign Associations options on the **Associations tab** in the CentraSite Details editor, you can create one or more outgoing associations from the selected object to one or more target objects.

To create associations:

1. Depending on the **preference settings** you have defined for the CentraSite Details editor, single-click or double-click the registry object for which you want to create associations in a CentraSite view to open the editor. The object's associations are displayed on the Associations tab.
2. Click **+**, or select Assign Associations from an association's context menu.
3. In the wizard displayed, **select one or more registry objects** that is/are to become the target object(s) of the association(s), then click Next.
4. Select one or more types of association you want to create between the current object and the target object(s).
5. Click Finish to create the association(s).
6. Save the changed definition of the registry object, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Related Topics

[Removing Associations Between Objects](#)

[Creating External Links for Objects](#)

Removing Associations Between Objects

You can at any time remove **associations** you have created between registry objects.

Use the following steps for removing an association only for associations that are not represented by **attributes** in one of the custom profiles in the CentraSite Details editor. For working on attributes, use the mechanisms for **updating registry objects**.

1. Depending on the **preference settings** you have defined for the **CentraSite Details Editor**, single-click or double-click the registry object from which you want to remove associations in a CentraSite view to open the editor. The existing associations are displayed on the **Associations tab**.
2. On the Associations tab, select one or more associations you want to remove. You can only remove outgoing associations from the selected object to one or more target objects. For removing incoming associations, you have to navigate to the corresponding source object.
3. Click  in the tab's toolbar, or select Remove Associations from the context menu.
4. Confirm the removal in the dialog displayed.
5. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Creating External Links for Objects

Using **external links**, you can establish connections between **registry objects** and resources that are managed outside the registry, for example, **folders and files** in the Supporting Documents Library.

You have the following options for creating external links for registry objects. These options are described below.

- [Creating External Links by Drag and Drop](#)
- [Creating External Links Using the External Links Tab](#)
- [Creating External Links by Copying Existing Ones](#)
- [Related Topics](#)

Use these options only for external links that are not represented by **attributes** in one of the custom profiles in the CentraSite Details editor. For working on attributes, use the mechanisms for **updating registry objects**.

Note: The CentraSite Eclipse GUI allows you to create a registry object of the ExternalLink type that represents a folder or file in the registry, but is not connected to a registry object. To do this,

select the folder or file in the **Repository Explorer** or **Documents view**, choose New External Link from the folder's or file's context menu, and specify a name for the ExternalLink object in the dialog.

Creating External Links by Drag and Drop

With drag and drop, you can create an external link between a registry object and a folder or file that is displayed in the **Repository Explorer view** or in the **Documents view**:

1. In a **CentraSite navigation or list view**, navigate to the registry object for which you want to create the external link.
2. Drag the object to the folder or file in the Repository Explorer or Documents view that is to become the target of the external link.

Creating External Links Using the External Links Tab

Using the Add External Link option on the **External Links tab** in the CentraSite Details editor, you can create an external link for a selected registry object:

- You can attach a document from your organization's supporting document library. The supporting document library is a collection of shareable documents that members of your organization have uploaded to CentraSite's document repository. For more information about the supporting document library, see **Working with Supporting Documents and Resources**.
- You can attach any document on the network that is accessible via a URL (permitted protocols are http, https, file and ftp).

To Create an External Link Using a URL

1. Depending on the **preference settings** you have defined for the CentraSite Details editor, single-click or double-click the registry object for which you want to create an external link in a CentraSite view to open the editor. The object's external links are displayed on the External Links tab.
2. On the External Links tab, click **+** in the toolbar, or select Add External Link from a link's context menu.

The Add External Link dialog is displayed.

3. Enable the Point to URL option and type the document's URL (for example, `http://myserv-er:53305/CentraSite/ino:dav/documents/icons/dbms.gif`) into the adjacent text box. (Supported protocols are http, https, file and ftp.)
4. Click Finish to create the external link.
5. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.
6. Repeat steps 2 to 5 for each document that you want to attach.

To Create an External Link from the Supporting Document Library (SDL)

1. Depending on the **preference settings** you have defined for the CentraSite Details editor, single-click or double-click the registry object for which you want to create an external link in a CentraSite view to open the editor. The object's external links are displayed on the External Links tab.
2. On the External Links tab, click **+** in the toolbar, or select Add External Link from a link's context menu.

The Add External Link dialog is displayed.

3. Enable the Add a document from the Supporting Document Library option.
4. In the SupportingDocumentsLibrary list, select the document.
5. Click Finish to create the external link.
6. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.
7. Repeat steps 2 to 5 for each document that you want to attach.

Creating External Links by Copying Existing Ones

You can reuse an external link you have created for a registry object by copying it to other objects. For all copies, the same ExternalLink object in the registry is used.

To copy an external link:

1. Depending on the **preference settings** you have defined for the CentraSite Details editor, single-click or double-click the registry object whose external link you want to copy in a CentraSite view to open the editor. The object's external links are displayed on the External Links tab.
2. On the External Links tab, select the external link you want to copy.
3. Select Copy to Add to Registry Object from the link's context menu.

When you now use the Add External Link option to create external links for one or more registry objects (see previous section), the URL of the external link you copied is displayed by default in the Add External Link dialog. You can accept it and thus copy the external link to the selected object(s), or specify a different URL and thus create new external links.

Related Topics

[Modifying External Links](#)

[Displaying the Targets of External Links](#)

[Removing External Links](#)

[Creating Associations Between Objects](#)

Modifying External Links

Modifying an **external link** of a **registry object** means changing the URL the link points to.

Use the following steps only for modifying external links that are not represented by **attributes** in one of the custom profiles in the CentraSite Details editor. For working on attributes, use the mechanisms for **updating registry objects**.

To modify an external link:

1. Depending on the **preference settings** you have defined for the **CentraSite Details Editor**, single-click or double-click the registry object whose external link you want to modify in a CentraSite view to open the editor. The object's external links are displayed on the **External Links tab**.
2. On the External Links tab, select the external link whose URL you want to change.
3. Click  in the toolbar, or select Edit URL from the link's context menu.
4. Change the URL as required in the dialog displayed.
5. Click OK to apply the changes.
6. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

Related Topics

[Displaying the Targets of External Links](#)

Displaying the Targets of External Links

The targets of **external links** are **resources** (e.g. folders and files) that can be accessed by the specified URL. From the **External Links tab** in the **CentraSite Details Editor**, you can open your default Web browser or an editor of the Eclipse Workbench with the URL of an external link and display the corresponding contents.

To display the target of an external link:

1. Depending on the **preference settings** you have defined for the CentraSite Details editor, single-click or double-click the registry object for which to display the targets of external links in a CentraSite view to open the editor. The object's external links are shown on the **External Links tab**.
2. On the External Links tab, select the external link whose target you want to display.
3. Select Open in Browser from a link's context menu to display the target in your default Web browser. Select Show Document from a link's context menu to display the target in an editor of the Eclipse Workbench.

Removing External Links

You can at any time remove **external links** you have created for **registry objects, folders or files**.

Use the following steps for removing an external link only for external links that are not represented by **attributes** in one of the custom profiles in the CentraSite Details editor. For working on attributes, use the mechanisms for **updating registry objects**.

1. Depending on the **preference settings** you have defined for the **CentraSite Details Editor**, single-click or double-click the registry object from which you want to remove external links in a CentraSite view to open the editor. The existing external links are displayed on the **External Links tab**.
2. On the External Links tab, select one or more external links you want to remove.
3. Click  in the tab's toolbar, or select Remove External Links from the context menu.
4. Confirm the removal in the dialog displayed.
5. Save the changed definition, for example, by selecting File > Save from the main menu or by typing Ctrl+S.

33

Exporting Data from CentraSite

- Related Topics 152

CentraSite enables you to export data from the **registry and repository** to the file system of your computer. You can use the exported data, for example, to **import** them to the same or a different CentraSite registry and repository at a later stage.

You can invoke an export for one or more **registry objects**. Depending on the object's type, different data are exported from the registry and/or repository (see the table below). The data you export are collected in a ZIP archive which is stored in the file system location you specify.

The following data are exported depending on the selected registry objects:

| Object | Exported Data |
|------------------------|--|
| Object of any type | Exports the XML representation of the registry object and all objects related to it, including the object's type definition, events, external links, outgoing associations and classifications. Repository folders and files related to the object and addressed by external links are also included. |
| Organization | Exports the XML representation of the organization and all its child organizations. The export does not include the parent organization and the reference to it. If the exported data is to be imported later, the parent organization and the reference to it must be created after the import operation. |
| Service | Exports the XML representation of the service, the service bindings and the specification links. Any file related to the service, e.g. a WSDL file, is automatically included in the export operation. |
| Object type (category) | Exports the schema file (XSD) and icon file of the object type from the repository as well as the XML representation of the corresponding external links from the registry. You can optionally include all registry objects of the type. |
| Taxonomy | Exports the XML representation of the taxonomy and all its categories. You can optionally include all registry objects that are classified by the taxonomy and/or its categories. |
| Category | Exports the XML representation of the category and all its subcategories. You can optionally include all registry objects that are classified by the category and its subcategories. |

Note: The organization to which a registry object belongs and the user who is the owner of the object are not exported. The Owner property is set to unknown. When you import an object, the importing user becomes the owner of the imported object and the imported object is assigned to the organization to which the importing user belongs.

To export objects from CentraSite:

1. In a **CentraSite navigation or list view**, select the registry objects you want to export.
2. Select Export from the context menu.
3. In the dialog displayed, specify the export options.

Options

Include instances for selected categories or types

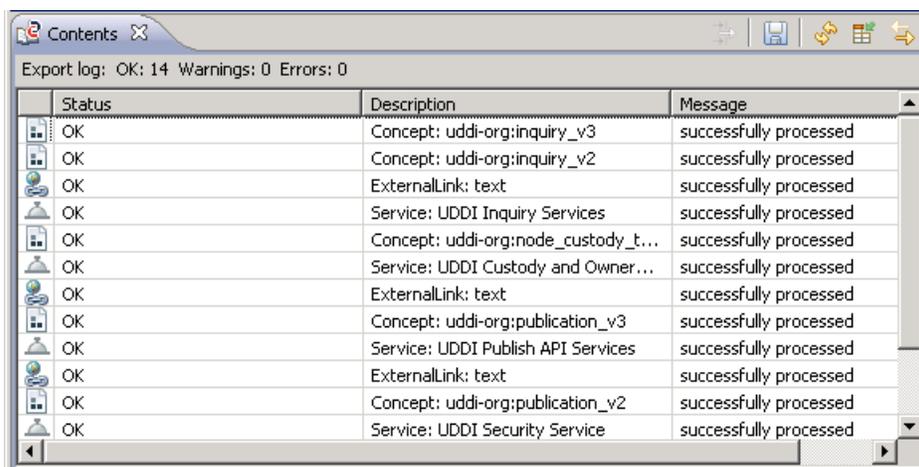
Includes instances of the selected type.

Delete after export

Deletes the selected object after export. However, you cannot delete an object if additional references to it exist in the registry.

4. Click OK to start the export.
5. In the dialog displayed, specify the location in the file system to which you want to export the data and a name for the ZIP archive.
6. Click Save to create the ZIP archive at the specified location.

The data are collected in the ZIP archive and exported. A log of the export operation is displayed in the [Contents view](#):



| Status | Description | Message |
|--------|-------------------------------------|------------------------|
| OK | Concept: uddi-org:inquiry_v3 | successfully processed |
| OK | Concept: uddi-org:inquiry_v2 | successfully processed |
| OK | ExternalLink: text | successfully processed |
| OK | Service: UDDI Inquiry Services | successfully processed |
| OK | Concept: uddi-org:node_custody_t... | successfully processed |
| OK | Service: UDDI Custody and Owner... | successfully processed |
| OK | ExternalLink: text | successfully processed |
| OK | Concept: uddi-org:publication_v3 | successfully processed |
| OK | Service: UDDI Publish API Services | successfully processed |
| OK | ExternalLink: text | successfully processed |
| OK | Concept: uddi-org:publication_v2 | successfully processed |
| OK | Service: UDDI Security Service | successfully processed |

The log provides the following information:

- For each file generated and added to the archive, one line is displayed in the view.
- The Status column shows if the processing was successful (OK), or whether errors or warnings occurred. A corresponding message is displayed in the Message column.
- On top of the table, the number of successful steps, warnings and errors is displayed.

Related Topics

[Importing Data into CentraSite](#)

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Importing Data into CentraSite

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CentraSite enables you to import data to the **registry and repository**. Data to be imported can be of different types and from different sources. You can import:

- **The data contained in an archive** you created with the CentraSite **export** function.
- **XML schemas** from a Web server or file system.
- **Web services** from a Web server or file system.
- **Reports** created in Eclipse from a file system.
- **BPEL process definitions** from a file system.
- **BPMS process definitions** from an XPDL file.

Details about each of these import options are provided in the corresponding help topics. For all import options, the following rules apply:

- If the object to be imported does not exist in the target registry, it is created by the import operation.
- The user who performs the import operation becomes the owner of all imported registry objects that are added to the registry. Ownership of existing objects that are replaced by the import operation remains unchanged.
- Any imported registry object that is added to the registry is affiliated to the organization to which the user belongs who performs the import operation. For existing objects that are replaced by the import operation, the affiliated organization remains unchanged.
- Any permission that is defined for a registry object that is overwritten by an import operation remains unchanged.

The general procedure for carrying out an import is:

1. Select File > Import from the main menu.
2. On the Select page of the Import wizard, select the type of data you want to import and click Next.
3. On the next page of the Import wizard, specify the parameters for importing the selected type of data (see the corresponding help topics).
4. Click Finish to start the import.

A log is created for the import operation and displayed in the **Contents view**:

| Status | Description | Message |
|--------|--|---|
| ERROR | AuditableEvent: AuditableEvent (unnamed) | INMIEE0007: Import object refers to another invalid import object . |
| OK | AuditableEvent: AuditableEvent (unnamed) | INMIEI0010: Imported object is ignored. |
| OK | AuditableEvent: AuditableEvent (unnamed) | INMIEI0010: Imported object is ignored. |
| OK | AuditableEvent: AuditableEvent (unnamed) | INMIEI0010: Imported object is ignored. |
| OK | AuditableEvent: AuditableEvent (unnamed) | INMIEI0010: Imported object is ignored. |
| OK | AuditableEvent: AuditableEvent (unnamed) | INMIEI0010: Imported object is ignored. |
| OK | AuditableEvent: AuditableEvent (unnamed) | INMIEI0010: Imported object is ignored. |
| OK | AuditableEvent: AuditableEvent (unnamed) | INMIEI0010: Imported object is ignored. |

The log provides the following information:

- For each processing step, one line is displayed in the view.
- The Status column shows if the processing was successful (OK), or whether errors or warnings occurred. A corresponding message is displayed in the Message column.
- On top of the table, the number of successful steps, warnings and errors is displayed.

Details on importing data into CentraSite are provided in the following sections:

Importing Data from an Archive

You can import the data contained in a ZIP archive you created with the CentraSite **export** function into the same or a different CentraSite **registry and repository**. The registry and repository from which you export the data and the registry and repository to which you import the data can have different CentraSite versions.

Depending on the data in the archive, the import may be successful only if specific objects already exist in the registry. The following rules apply:

- When you import registry objects that have references to User objects, the users must already be defined in the target registry. For example, you can first import the User objects into the target registry from an archive. If required User objects do not exist, the corresponding references of imported objects will be changed to the predefined 'unknown' user during the import operation.
- Registry objects to be imported must not have unresolved references to other objects. All referenced objects (including taxonomies and categories) must already exist in the target registry or be included in the archive you are importing.
- Registry objects that exist in both the export set and in the target registry must be identical. If this is not the case, the registry object in the archive and all the objects related to it are ignored by the import.

- Repository folders and files that exist in both the export set and in the target repository must be identical. If this is not the case, the folders and files in the archive and all registry objects related to them are ignored by the import.

Note that all objects in an archive are imported. If the import operation fails to successfully import one of the objects contained in the archive, the entire import operation is rolled back.

To import an archive:

1. On the Select page of the Import wizard, select Archive in the CentraSite folder and click Next to define the import parameters.
2. On the Import Archive page of the Import wizard, specify the following parameters:
 - File: The path and name of the archive you want to import. Use the Browse button to select the file in the file system of your computer.
 - Check Allow replace of registry objects, if existing registry objects are to be overwritten automatically by the objects being imported. If you do not check this option, the existing objects are only overwritten if they are older than the imported objects.

Importing XML Schemas

You can import an XML schema from a Web server or a file system to a CentraSite **registry and repository**.

The following **folders and files** and **registry objects** are created by the import of an XML schema:

- The schema file is copied to a subfolder of projects/WSDL in the repository. The name of the subfolder is determined by the namespace defined in the schema. For example, if the namespace is `http://www.MyOrganization.com/MySchemas/schema1`, the schema is copied to `projects/WSDL/www.MyOrganization.com/MySchemas/schema1`.
- If the schema file contains references to other schema files, these are also imported, including all the schema files that are referenced.
- For each imported schema file, a registry object of the XML Schema type is created. An external link is created for the object which points to the schema file in the repository. Note: When you delete an **external link** in the registry that points to a schema file in the repository, the schema file in the repository is also deleted. However, any schema entries in the registry and repository that are referenced by the schema being deleted remain untouched.
- If the importer detects an equivalent schema file within CentraSite during the import of a schema, the import dialog will prompt you to specify either Overwrite latest version or Create new version. If you decide to create a new version, the importing schema will be applied to the new version.

You can also choose the option Interactive resolution of Import/Includes, which will allow you to specify how an already existing imported/included file is handled. For each of the imported/included files you have one of these options:

- Overwrite the importing file with new content.
- Create a new version of the file with the new content (if, for example, you want to modify a schema but want to retain its previous version).
- Reuse any version of the file (if, for example, an intermediate version of a schema is currently referenced by a WSDL, you can redirect it to the newest version).

To import an XML schema:

1. On the Select page of the Import wizard, select Schema in the CentraSite folder and click Next to define the import parameters.
2. On the Import Schema page of the Import wizard, specify the following parameters:
 - Select the organization to which the XML schema is to be assigned.
 - Specify a version identifier for the new service. The version identifier you enter here is the service's public, user-assigned version identifier. You can enter any string in the Initial version field, i.e. the version identifier does not need to be numeric. You can also leave this field blank.
 - If you want to import the schema from a Web server, choose the Import from Web server option and specify the schema's URL in the URL field.
 - If you want to import the schema from the file system of your computer, choose the Import from file system option and specify the schema's path and name in the File field. Use the Browse button to select the file in the file system of your computer.
 - If you have specified a URL, and the site you want to access via the URL requires user authentication, enable the URL Authentication check box. This opens a sub-dialog in which you can enter a username and password for authentication at the URL site.
 - Check Interactive resolution of Import/Includes to determine how referenced schemas are handled when the schema that is referenced already exists in the registry. When this option is enabled, you will be prompted during import to specify whether you want to reuse any schema files referenced in the main file or upload new files.
 - Click OK.

What Happens When You Import a New Schema File?

CentraSite retrieves the specified file and creates the XML schema. If you have specified Interactive resolution of Import/Includes, you will also be prompted to specify whether you wish to reuse any of the schema files that might be referenced in the main schema file via IMPORT or INCLUDE statements or upload new files.

What Happens When You Import an Existing Schema File?

If the importer detects that the schema you are trying to import already exists within CentraSite, the import dialog will prompt you to specify whether you want to Overwrite latest version or Create new version. If you have specified Interactive resolution of Import/Includes, you will also be prompted to specify whether you wish to reuse any of the schema files that might be referenced in the main schema file via IMPORT or INCLUDE statements or upload new files.

Importing Web Services

You can import one or more Web services from a Web server or a file system to a CentraSite **registry and repository**. For the import, you specify a WSDL file, which may define one or more Web services.

The following **registry objects** and **folders and files** are created by the import of Web services:

- In the registry, objects are created for different elements defined in the WSDL file being imported: An object of the Service type is created for each service element defined in the WSDL file, the corresponding name attribute in the WSDL file determines the registry object's name. The Service objects are assigned to the organization which you specify in the import parameters. A corresponding Organization object is created, if required.

Depending on the WSDL file, additional objects of the following types may be created: Service-Binding objects for service bindings, SpecificationLink objects for specification links, Concept objects for bindings, Operation objects for operations, Interface objects for interfaces, BPELPartnerLinkType objects for partnerLinkType elements in the WSDL file, BPELRole objects for role elements within partnerLinkType elements. The new objects are connected by associations and implicit references as required.

- For each imported Web service, an **external link** is created which points to the WSDL file in the repository.
- The WSDL file is copied to a subfolder of projects/WSDL in the repository.

The name of the subfolder is determined by the namespace defined in the targetNamespace attribute of the WSDL's definition element. For example, if the namespace is `http://www.MyOrganization.com/products`, the WSDL file is copied to `projects/WSDL/www.MyOrganization.com/products`.

The name of the WSDL file in the repository is built as follows: `organization_service_file.wsdl`, where `organization` is the organization name you specify in the import parameters, `service` is the name of the service as specified in the WSDL, and `file` is the file name or final part of the URL specified in the import parameters. For example, when you import a Web service from `C:\services\MyService.wsdl`, the service name in the WSDL file is `queryService`, and the specified

organization is MyOrg, the resulting file name in the repository is MyOrg_queryService_MyService.wsdl.

- If the WSDL file contains references to schema files, these are also imported, including all the schema files that are referenced. The folders and files and registry objects that are created correspond to **importing an XML schema**.
- If the importer detects an equivalent service within CentraSite during the import of a Web service, the import dialog will prompt you to specify either Overwrite latest version or Create new version. If you decide to create a new version, the importing WSDL will be applied to the new version.

You can also choose the option Interactive resolution of Import/Includes, which will allow you to specify how an already existing imported/included file (further WSDL or schema) is handled. For each of the imported/included files you have one of these options:

- Overwrite the importing file (WSDL or schema) with new content.
- Create a new version of the file with the new content (if, for example, you want to modify a schema but want to retain its previous version).
- Reuse any version of the file (if, for example, an intermediate version of a schema is currently referenced by a WSDL, you can redirect it to the newest version).

Note: When you delete a service in CentraSite whose WSDL file references one or more schemas, you can choose to delete the schema files.

You can update Web services in CentraSite by importing an updated WSDL file. The WSDL file must have the same namespace, service names, and organization as the original WSDL file. The WSDL file may include additional Web services. However, it is not possible to remove a service from CentraSite via an updated WSDL file which no longer includes the corresponding service element.

To import Web services:

1. On the Select page of the Import wizard, select Web Service in the CentraSite folder.
2. On the Import Web Service page of the Import wizard, specify the following parameters:
 - Select the organization to which the Web services are to be assigned.
 - Specify a version identifier for the new service. The version identifier you enter here is the service's public, user-assigned version identifier. You can enter any string in the Initial version field, i.e. the version identifier does not need to be numeric. You can also leave this field blank.
 - If you want to import Web services from a Web server, choose the Import from Web server option and specify the URL of the WSDL file in the URL field.
 - If you want to import Web services from the file system of your computer, choose the Import from file system option and specify the path and name of the WSDL file in the File field. Use the Browse button to select the file in the file system of your computer.

- If you have specified a URL, and the site you want to access via the URL requires user authentication, enable the URL Authentication check box. This opens a sub-dialog in which you can enter a username and password for authentication at the URL site.
- Check Interactive resolution of Import/Includes to determine how referenced schemas are handled when the schema that is referenced already exists in the registry. When this option is enabled, you will be prompted during import to specify whether you want to reuse any schema files referenced in the main file or upload new files.
- Click OK.

What Happens When You Import a New WSDL File?

CentraSite retrieves the specified file and creates the Web service. If you have specified Interactive resolution of Import/Includes, you will be prompted to specify whether you wish to reuse any of the WSDL/schema files referenced in the main WSDL file or upload new files.

What Happens When You Import an Existing WSDL File?

If the importer detects that the service you are trying to import already exists within CentraSite, the import dialog will prompt you to specify whether you want to Overwrite latest version or Create new version. If you have specified Interactive resolution of Import/Includes, you will be prompted to specify whether you wish to reuse any of the WSDL/schema files referenced in the main WSDL file via IMPORT or INCLUDE statements or upload new files.

Be aware that the import fails if you specify a WSDL file containing a namespace and services that already exist in CentraSite but are affiliated to a different organization.

Importing Reports

You can import reports you have **created** in Eclipse from the file system to a CentraSite **registry and repository**. Importing a report is equivalent to **deploying it from Eclipse to CentraSite**.

The following **folders and files** and **registry objects** are created when importing a report:

- The report design file (.rptdesign) is copied to the projects/CentraSite/Reports folder of the repository.
- A registry object of the Report type is created in the CentraSite registry.
- An **external link** is created between the new registry object and the file in the repository.

To import a report:

1. On the Select page of the Import wizard, select Report in the CentraSite folder and click Next to define the import parameters.

2. On the Import Report page of the Import wizard, specify a name for the design file to be imported. You can also enter a description for it. Use the Browse button to select the file in the file system of your computer. Check the Overwrite existing imported template file option, if an existing design file with the specified name is to be overwritten automatically by the import operation. If you do not check this option, the existing design file is only overwritten if it is older than the imported file.

Importing BPEL Process Definitions

You can import BPEL process definitions from a file system into a CentraSite [registry and repository](#). For the import, you specify a BPEL file which may define one or more processes.

The following [registry objects](#) and [folders and files](#) are created by the import of BPEL process definitions:

- In the registry, objects are created for different elements defined in the BPEL file being imported:

An object of the BPELProcess type is created for each process element defined in the BPEL file, the corresponding name attribute in the BPEL file determines the registry object's name. An object of the BPELPartner type is created for each BPEL partner in a process, and a BPELPartnerLink object is created for each BPEL partner link of a process. The new objects are connected by associations and implicit references as required.

If partner links are imported, the import checks whether the registry contains an object of the BPELPartnerLinkType type whose name is identical with the value of the name attribute of the partnerlink element in the BPEL file. If this is the case, the import creates references between the BPELPartnerLink and BPELPartnerLinkType objects in the registry. Otherwise, a warning is issued that the required BPELPartnerLinkType does not exist in the registry. You can create BPELPartnerLinkType as well as BPELRole objects in the registry by [importing WSDL files](#).

- The BPEL file is copied to a subfolder of projects/BPEL in the repository. The name of the subfolder is determined by the target namespace specified in the BPEL file. For example, if the namespace is `http://www.MyOrganization.com/processes`, the BPEL file is copied to `projects/BPEL/www.MyOrganization.com/processes`.
- For each imported process, an [external link](#) is created which points to the BPEL file in the repository.

You can update BPEL process definitions in CentraSite by importing an updated BPEL file. The BPEL must have the same namespace and process names as the original BPEL file. The BPEL file may include additional process definitions. However, it is not possible to remove a process definition from CentraSite via an updated BPEL file which no longer includes the corresponding process element.

To import BPEL process definitions:

1. On the Select page of the Import wizard, select BPEL in the CentraSite folder and click Next to define the import parameters.
2. On the Import BPEL page of the Import wizard, specify the following parameters:
 - Select the organization to which the BPEL process definitions are to be assigned.
 - Specify a version identifier for the new service. The version identifier you enter here is the service's public, user-assigned version identifier. You can enter any string in the Initial Version field, i.e. the version identifier does not need to be numeric. You can also leave this field blank.
 - In the File field, specify the path and name of the BPEL file. Use the Browse button to select the file in the file system of your computer.
 - In the Product field, you can specify the name of a category of the Products taxonomy by which the process definitions are to be classified in CentraSite. Use the Browse button to select the category in a [dialog](#).

Importing XPDL Process Definitions

The XML Process Definition Language (XPDL) is a standard language that is used to represent workflows and business processes. It is generally used to exchange process definitions between different business processing systems. CentraSite provides an importer for XPDL files. This importer reads an XPDL 2.x file and adds the process that it defines to the registry as a Process object. It stores the XPDL file itself in CentraSite's repository.



Note: If you are using ARIS Business Architect to create process definitions to share with webMethods BPMS, *do not* use this procedure to add them to the registry. Use the publishing tools provided with ARIS Business Architect instead. Using the ARIS Business Architect ensures that the appropriate metadata is included in the Process object.

The following [registry objects](#) and [folders and files](#) are created by the import of an XPDL file:

- A Process object is created for each WorkflowProcess element defined in the XPDL file.
 - The "Name" attribute for this element determines the name of the Process object.
 - The "Id" attribute for this element is assigned to an attribute called **UniqueID** in the Process object.
- A Process Step object is created for each Activity element defined in the XPDL file. Associations are generated to represent the transitions between Process Step objects.
- A Process Pool object is created for each Pool element defined in the XPDL file and a Process Swim Lane object is created for each Lane element defined in the XPDL file.
- The XPDL file is added to the CentraSite repository. The Process object will include an attribute called **ProcessDefinitionURL**, which will contain a link to this file.

- If the XPDL file references a WSDL document, the importer will prompt you to provide the specified WSDL file. When you provide the file, the importer will check whether the service described in the WSDL already exists in the registry. If it does, the importer will associate the Process object with that service. If it does not, the importer will import the WSDL file, add the service to the registry, and associate the service with the Process object.

If the process in the XPDL file has a workflow Id that matches the **UniqueID** attribute of a Process object that already exists in the registry, the importer will handle the import in the following way:

- If the Process object in the registry is not associated with a lifecycle model *or* if it is in the initial state of its lifecycle, the importer will replace the Process object in the registry with the process from the XPDL file. (If you do not have Modify permission on the Process object in the registry, the import of the XPDL file will fail.)
- If the Process object is in any state other than the initial state of its lifecycle, the XPDL file will be imported as a *new version* of the Process object.

To import an XPDL file:

1. On the Select page of the Import wizard, select XPDL in the CentraSite folder and click Next.
2. On the Import File page of the Import wizard, do the following:
 - Select the organization to which the Process object (and its components) are to be added.
 - In the File field, specify the path and name of the XPDL file. Use the Browse button to select the file from the file system of your computer.
 - *Optional.* In the Product field, specify the product with which the process is associated.
 - *Optional.* In the Initial Version field, specify a version identifier for the new Process object. The identifier you enter here is the Process object's public, user-assigned version identifier. You can enter any string in this field (i.e., the identifier does not have to be numeric). You can leave this field blank.

Related Topics

[Exporting Data from CentraSite](#)

35 Working with Reports

- Overview of the CentraSite Reporting Features 166
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This section describes the reporting features provided by the CentraSite Eclipse GUI:

Overview of the CentraSite Reporting Features

- [Predefined Reports](#)
- [Custom Reports](#)

The CentraSite Eclipse GUI offers sophisticated features and options for designing, creating and generating reports on the CentraSite registry and its contents.

The CentraSite Eclipse GUI does not provide a reporting interface of its own. Instead, it provides drivers, features and functions that are integrated with the Business Intelligence and Reporting Tools (BIRT) provided by the Eclipse Foundation.

Predefined Reports

A set of predefined reports is installed with CentraSite. The predefined reports are linked to specific object types. They can be linked to additional object types, as required, and can be executed from the CentraSite Eclipse GUI.

Here are some examples of the predefined reports in CentraSite:

- **Asset Change History:** For a selected asset, list all changes.
- **Asset Changes Since Date:** For this organization, lists the changes since the selected date.
- **Asset Dependencies:** For an asset, lists the incoming and outgoing relationships.
- **New Assets Since Date:** For this organization, lists all assets created since the selected date.

Custom Reports

You can create additional custom reports using the BIRT report designer, which is integrated in Eclipse. In doing so, you can take advantage of the full BIRT functionality. Details on BIRT and on how to use the tools are described in the documentation that comes with it, for example, in the BIRT Developer Guide.

The CentraSite Eclipse GUI integrates the following functionality into the BIRT report designer:

- Dialogs and functions for defining data sources that connect your reports to a CentraSite registry.
- Dialogs and functions for building data sets that specify the data to retrieve from the registry.

Custom reports you have created and designed using BIRT can be deployed to CentraSite, linked to object types, and executed from the CentraSite Eclipse GUI. Any report that has been deployed to CentraSite can be copied from the CentraSite repository to your Eclipse workspace where you can update it with the BIRT report designer, if required.

Generating Reports

Reports can be generated for **assets, organizations, users and taxonomies**.

You can generate a report for a selected registry object. This requires that the report has been linked to the corresponding object type. You can also generate a report independently of specific registry objects, for example, the Organization Summary report.

To generate a report for a specific object:

1. In a **CentraSite navigation or list view**, navigate to the object for which you want to generate a report.
2. Select the report to be generated from the Execute Linked Report menu in the object's context menu. The menu offers options for all predefined and custom reports that are linked to the object type of the object you have selected.
3. Specify the report parameters in the dialog that is displayed. For example, you have to specify a date as report parameter for an Asset Changes Since Date report.
4. Click OK to start the report generation.

To generate a report that does not depend on a specific registry object:

1. In the **Administration view**, single-click or double-click the Report Templates entry, depending on the selection mode you have set for the view. This displays the reports that are currently defined in the **Contents view**.
2. In the Contents view, select the report to be generated.
3. Select Execute from the report's context menu.

CentraSite generates the report using the BIRT report engine. The report result is displayed in the BIRT Report Viewer. The viewer offers the standard BIRT functionality for viewing and manipulating reports.

Building Reports with BIRT

When creating reports with BIRT, you usually take the following basic steps:

1. Create a project of type Report.
2. Create a report.
3. Define a data source.
4. Build a data set.

5. Lay out the report.
6. Sort the data.
7. Format the report.
8. Create a report title.

For details, refer to the BIRT documentation, for example, the BIRT Developer Guide.

The following help topics describe how you can define data sources and build data sets for accessing a CentraSite registry.

Defining Data Sources for CentraSite

- [Defining a CentraSite Data Source](#)
- [Defining a CentraSite XQuery Data Source](#)
- [Related Topics](#)

Data sources connect reports to a database or other physical source of data. When you define a data source, you specify the data source name and other connection information.

In BIRT, you can define two types of data source that connect to a CentraSite registry:

- **CentraSite:** This type of data source is used to access a CentraSite registry using the search and find functionality of the CentraSite Eclipse GUI.
- **CentraSite XQuery:** This type of data source is used to retrieve data from a CentraSite registry using XQuery, the XML query language.

The following sections describe how to define data sources of each of these types.

Defining a CentraSite Data Source

To define a data source of type CentraSite:

1. In the BIRT Data Explorer view, select the Data Sources entry.
2. Select New Data Source from the context menu.
3. In the New Data Source wizard, select CentraSite from the list of data source types, and enter a name of your choice in the Data Source Name field.
4. Click Finish to create the data source with the specified name.

Defining a CentraSite XQuery Data Source

To define a data source of type CentraSite XQuery:

1. In the BIRT Data Explorer view, select the Data Sources entry.
2. Select New Data Source from the context menu.
3. In the New Data Source wizard, select CentraSite XQuery from the list of data source types, and enter a name of your choice in the Data Source Name field.
4. Click Finish to create the data source with the specified name.

Related Topics

[Working with Data Sources and Data Sets](#)

Building a Data Set with a CentraSite Data Source

A data set, or query, specifies the data to be retrieved from a specific data source. The data of a data set can then be used in any number of reports.

In a data set that uses a data source of type CentraSite, the data are retrieved from the CentraSite registry via the search and find functionality of the CentraSite Eclipse GUI.

To build a data set that uses a data source of type CentraSite:

1. In the BIRT Data Explorer view, select the Data Sets entry.
2. Select New Data Set from the context menu.
3. In the New Data Set wizard, specify:
 - A name of your choice for the data set.
 - The data source of type CentraSite that is to be used to connect to the CentraSite registry.
 - The data set type. You can only select Business Query for data sets using a CentraSite data source.
4. Click Next.
5. On the **Define Query page**, specify the data to be retrieved from the registry and to be included in the data set.

You can use the "%" character as a wildcard in the Name field, to retrieve objects that match the given name pattern.

6. Click Finish to create the data set with the specified name and data.

Related Topics

[Defining Data Sources for CentraSite](#)

[Building a Data Set with a CentraSite XQuery Data Source](#)

[Working with data sources and data sets](#)

Building a Data Set with a CentraSite XQuery Data Source

A data set, or query, specifies the data to be retrieved from a specific data source. The data of a data set can then be used in any number of reports.

In a data set that uses a data source of type CentraSite XQuery, the data are retrieved from the CentraSite registry by a query in XQuery syntax and format. For details on XQuery in CentraSite, contact your CentraSite support organization.

To build a data set that uses a data source of type CentraSite XQuery:

1. In the BIRT Data Explorer view, select the Data Sets entry.
2. Select New Data Set from the context menu.
3. In the New Data Set wizard, specify:
 - A name of your choice for the data set.
 - The data source of type CentraSite XQuery that is to be used to connect to the CentraSite registry.
 - The data set type. You can only select CentraSite XQuery for data sets using a CentraSite XQuery data source.
4. Click Next.
5. On the [Specify XQuery page](#), enter the query that specifies the data to be retrieved from the registry and to be included in the data set.

Example: The following query retrieves all registry objects of type Organization from the registry:

```
declare namespace
  cs="http://namespaces.CentraSite.com/Schema/jaxr"; for $ro in
  collection("CentraSite")/cs:organization return $ro
```

6. Click Next. The [Define Table Mapping page](#) is displayed, showing the schema information for the elements that match the query in the XML Structure field.
7. On the Define Table Mapping page, select the element of the XML structure that is to be mapped to a table which is usable by BIRT, click the > button and specify the XPath expression for ad-

addressing the selected element in the registry. The XPath expression is entered in the XPath expression field of the Define Table Mapping page.

Note: To display the name or description of an element, select the corresponding localString entry in the XML structure instead of the name or description entry. The reason is that the values of these elements are available as localized strings but not in a locale-independent way.

8. Click Next.
9. On the **Define Column Mapping page**, specify the elements of the XML structure that are to be mapped to table columns which are usable by BIRT. You can specify a mapping in one of the following ways:
 - Click an element in the XML Structure field, then click the > button, and specify the column name, XPath expression and data type in the dialog displayed.
 - Click the <new mapping here> entry in the Column Mapping table, and type the column name, XPath expression and data type directly in the table.
10. Click Finish to create the data set with the specified name and data.

Related Topics

[Defining data sources for CentraSite](#)

[Building a data set with a CentraSite data source](#)

[Working with data sources and data sets](#)

Working with Data Sources and Data Sets

For working with the data sources and data sets you have created for CentraSite, you use the standard functions of BIRT. For details, refer to the BIRT documentation, for example, the BIRT Developer Guide.

The following BIRT dialogs include pages specific to CentraSite:

- Edit Data Source dialog for data sources of type CentraSite: On the **CentraSite Registry page**, you can change the object/table mapping between CentraSite and BIRT.
- Edit Data Set dialog for data sets using a data source of type CentraSite: On the **Define Query page**, you can modify the search criteria.
- Edit Data Set dialog for data sets using a data source of type CentraSite XQuery: On the **Specify XQuery page**, you can modify the query. On the **Define Table Mapping** and **Define Column Mapping** pages, you can change the table and column mappings.

Deploying Reports in CentraSite

Reports you have created in BIRT can be made available and executable in CentraSite. Deploying a report in CentraSite means:

- Uploading the report design file (.rptdesign) from Eclipse to the projects/CentraSite/Reports folder of the CentraSite repository.
- Creating an object of type Report in the CentraSite registry.
- Creating an external link between the new registry object and the repository file.

Deploying a report is equivalent to [importing a report to CentraSite](#). Reports in CentraSite can be linked to object types and executed from the CentraSite Eclipse GUI.

To deploy a report in CentraSite:

1. Select the report you want to make available and executable in CentraSite, for example, in the Eclipse Navigator view.
2. Select Deploy Report to CentraSite in the context menu.
3. On the Import Report page of the Import wizard, specify a name for the design file to be imported. You can also enter a description for it. Use the Browse button to select the file in the file system of your computer. Check the Overwrite existing imported template file option if an existing design file with the specified name is to be overwritten by the import operation.

Related Topics

[Linking reports to object types](#)

[Generating reports](#)

Linking Reports to Object Types

Predefined reports and custom reports that you have deployed or imported to CentraSite can be linked to object types in the registry. A report linked to an object type can be executed from any object of this type in the CentraSite Eclipse GUI.

To view the predefined and custom reports that are available in CentraSite:

- In the [Administration view](#), single-click or double-click the Report Templates entry, depending on the selection mode you have set for the view. This displays the reports that are currently available in the [Contents view](#).

To link reports to an object type:

1. In a **CentraSite navigation or list view**, select the object type to which you want to link one or more reports.
2. Select Link Reports from the type's context menu.
3. In the **Select Reports** dialog, select the reports you want to link to the object type.
4. Click OK to confirm the selection.

Technically, a report assignment to an object type is an association of the Uses type between the registry object representing the report and the registry object representing the object type. You can unlink a report from an object type by **deleting** the corresponding association.

Related Topics

Importing reports

Saving Reports to the Eclipse Workspace

You can copy any template file for a report stored in the CentraSite repository to your Eclipse workspace, where you can modify it using the BIRT report designer:

1. In the **Administration view**, single-click or double-click the Report Templates entry, depending on the selection mode you have set for the view. This displays the predefined and custom reports that are currently defined in the **Contents view**.
2. In the Contents view, select the report to be saved to the Eclipse workspace.
3. Select Save to Workspace from the report's context menu.
4. In the Save Resource dialog, specify or select the location and name for the file in your workspace.
5. Click Finish to copy the file from the repository to your workspace.

After modifying the report in Eclipse using the BIRT report designer, you can either **deploy it in CentraSite** or **import it from the file system** to make it available and executable again.

IV Reference

This section contains the following reference information for the CentraSite Eclipse GUI:

[CentraSite Perspectives](#)

[CentraSite Views](#)

[CentraSite Details Editor](#)

[Dialogs and Wizards](#)

[CentraSite Pages in BIRT](#)

[CentraSite Pages in the Search Dialog](#)

[Customizing Options for the Impact Analyzer](#)

[Search and Filter Conditions](#)

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CentraSite Perspectives

- Related Topics 179

CentraSite provides two perspectives that you can use to create, browse and manage the information in the registry and repository.

The CentraSite Asset Catalog perspective is directed to users who want to view and manage their organization's assets. The available views support the users in providing and consuming assets as well as browsing and searching the CentraSite registry. By default, the perspective includes the following views of the CentraSite Eclipse GUI:

- Navigation views:

- [Asset Types view](#)

- [My CentraSite view](#)

- List views:

- [Contents view](#)

- [Search view](#)

The CentraSite Search and Browse perspective is directed to users who want to browse and search assets and documents in the CentraSite registry and repository. In addition, the perspective offers direct access to the supporting objects that are used for managing and organizing the assets. It provides comprehensive administration functions and allows the users to create and manage registry federations. By default, the perspective includes the following views of the CentraSite Eclipse GUI:

- Navigation views:

- [Administration view](#)

- [Asset Types view](#)

- [My CentraSite view](#)

- [Registry Explorer view](#)

- [Repository Explorer view](#)

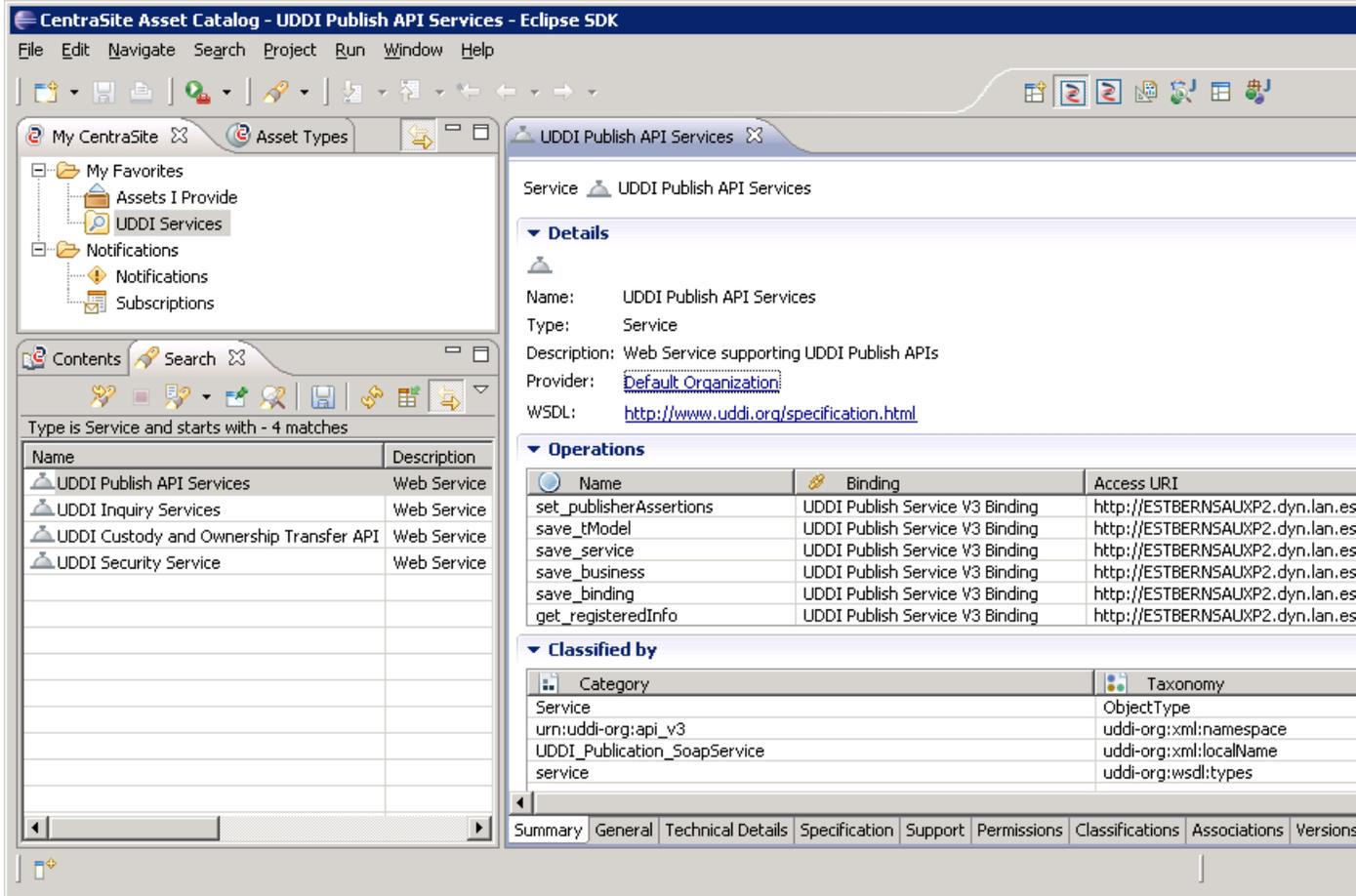
- List views:

- [Contents view](#)

- [Documents view](#)

- [Search view](#)

On the right side of each CentraSite perspective, there is an editor area which can display one or several CentraSite Details editors.



Related Topics

[CentraSite views](#)

[CentraSite Details Editor](#)

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CentraSite Views

- Navigation Views 182
- List Views 189

The CentraSite Eclipse GUI adds the following views to the Eclipse Workbench:

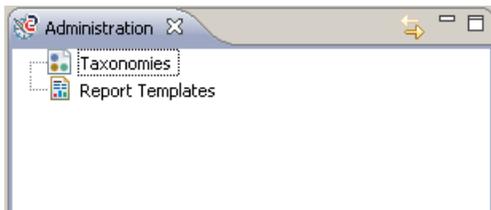
Navigation Views

Navigation views are used to browse the CentraSite registry and repository.

- Administration View
- Asset Types View
- Toolbar
- Impact Analyzer View
- My CentraSite View
- Toolbar
- Registry Explorer View
- Toolbar
- Repository Explorer View
- Toolbar

Administration View

The Administration view allows you to access the **registry objects** that are used for managing your assets. Depending on the **selection mode** you have set for the view, you can single-click or double-click an entry in the view to list the registry objects of this type in the **Contents view**.



The view provides access to the following objects:

| Icon | Name | Action |
|---|------------------|---|
|  | Taxonomies | Lists all taxonomies that are defined for your CentraSite registry. A Taxonomy object represents a taxonomy which contains categories for classifying or categorizing registry objects. The object type of taxonomy objects is ClassificationScheme. For each Taxonomy object, a tree structure is displayed in the Contents view if it contains categories for classifying and categorizing registry objects. |
|  | Report Templates | Lists all predefined and custom reports that are defined in your CentraSite registry. |

Toolbar

| Icon | Name | Action |
|---|-------------------------|--|
|  | Synchronize Other Views | <p>Toggles the selection mode in the Administration view. When this button is not pressed, double-clicking an entry in the view displays the corresponding registry objects in the Contents view. When this button is pressed, a single click updates the Contents view.</p> <p>The Workbench remembers the selection mode you have set for the Administration view. The next time you open the view, the selection mode is set as you have left it.</p> |

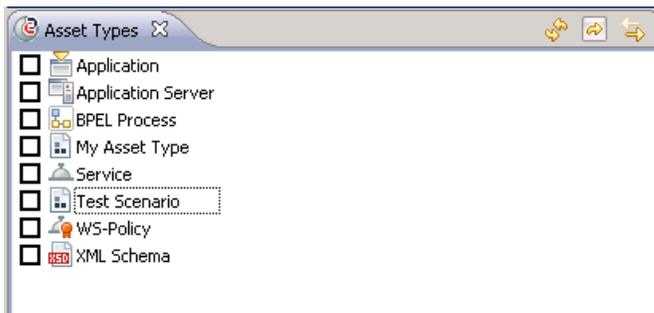
Asset Types View

The Asset Types view allows you to access the **assets** stored in the CentraSite registry. In the view, you decide which types of assets you want to access. Using the checkboxes in combination with the toolbar buttons, you can select the required asset types and display all assets that exist for these types in the **Contents view**.

The Asset Types view lists all asset types that are defined for your organization. When initially installed, it displays the following asset types:

- Application servers
- BPEL processes
- Services
- XML schemas
- Virtual services
- Virtual XML services
- Virtual REST services

The list can hold additional asset types for artifacts that your organization needs. All object types you define yourself are identified as asset types and added to the list.



Toolbar

| Icon | Name | Action |
|---|-------------------------|--|
|  | Refresh | Updates the view's contents. |
|  | Update Contents | <p>This button is only relevant when the  button is not pressed.</p> <p>To display assets of certain types in the Contents view, select the checkboxes for the required types in the Asset types view. Then click  or double click a type entry in the view to update the Contents view.</p> |
|  | Synchronize Other Views | <p>Toggles the selection mode in the Asset Types view.</p> <p>When the button is pressed, you just select a checkbox for an asset type and the Contents view is updated immediately.</p> <p>When the button is not pressed, you first select the checkboxes for the required asset types. Then you click  or double click an entry in the view to update the Contents view.</p> <p>The Workbench remembers the selection mode you have set for the Asset Types view. The next time you start the CentraSite Eclipse GUI, the selection mode is set as you have left it.</p> |

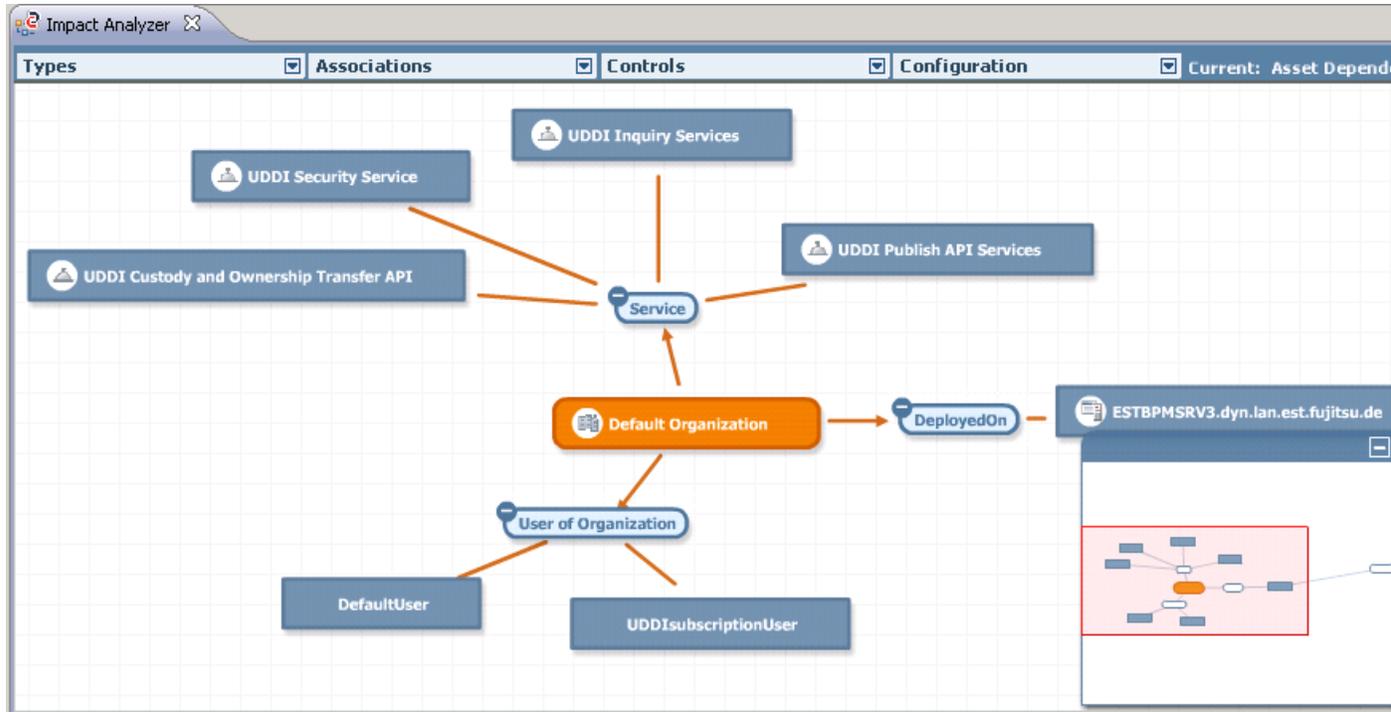
Impact Analyzer View

The Impact Analyzer view represents **registry objects** and their **associations and implicit references** with other objects in a graphical way. The graphical representation is enabled via a Flash-based Web browser.

 **Important:** If you are running the designer on a 64-bit operating system, ensure that you have installed the Adobe Flash Plugin 64-bit in the 64-bit Web browser.

Use the **customizing options** in the view's menu bar to determine exactly what you want to consider in the impact analysis and display in the view. The options in the menu bar also allow you to size and print the graph as required. In addition, options are provided for saving and restoring the settings defined for the view in so-called configurations. CentraSite delivers predefined configurations, and you can define and save your own custom configurations. These are user-specific and can be restored by the same user on any client, if required.

The Impact Analyzer view is not included in the CentraSite perspectives by default. It is automatically opened when you start a **graphical impact analysis** with the Impact Analyzer.



The graph displays registry objects in rectangular boxes. The registry object for which the impact analysis has been invoked is highlighted.

You can view details of each registry object represented in the view. To do so, single-click the object. This displays its owner, its version number and its description.

Associations are shown as arrows pointing in the appropriate direction. The name of the association type is placed on the arrow. Arrows for associations are grouped, if there is more than one association of the same type. A number next to the association type name indicates the total number of associations of this type the object has with other registry objects. Click a name to hide or show the related objects. This allows you to make the impact analysis less complex and focus on individual sections only.

A green line between a registry object and an association type name indicates that all associations of this type are also defined for the registry object. The line is inserted to avoid redundancies in the graphical representation. With the line, it is not necessary to represent the associations twice.

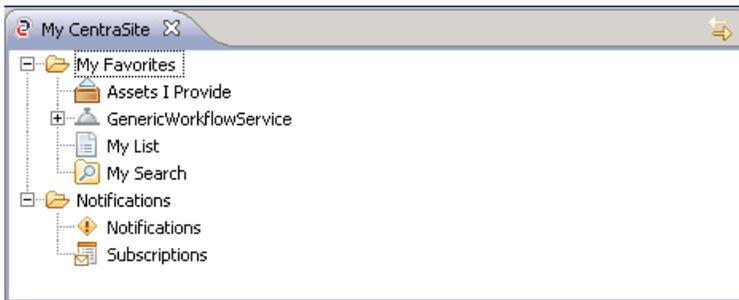
My CentraSite View

The My CentraSite view allows you to quickly access registry objects, folders and files that you use frequently or that you want to keep close at hand.

Using the My Favorites folder, you can access and manage your favorite **registry objects** and **folders and files**. You can **add** any registry objects, folders or files to your favorites list and manage the entries in the list.

The My Favorites folder also allows you to access the assets for which you are registered as owner. Using the Assets I Provide entry, you can display the corresponding registry objects in the **Contents view**. Besides your own assets, the My Favorites folder also displays searches and lists you have saved in CentraSite. You can display the elements contained in a list in the Contents view, and you can delete lists. You can run a saved search, and you can delete queries that you do not need any more.

In addition to managing your favorites, the My CentraSite view allows you to access your **notifications**. Using the Notifications entry, you can display the list of change notifications you have received for your notification requests in the **Contents view**. Using the Subscriptions entry, you can display the list of registry objects for which you have registered a notification request.



Toolbar

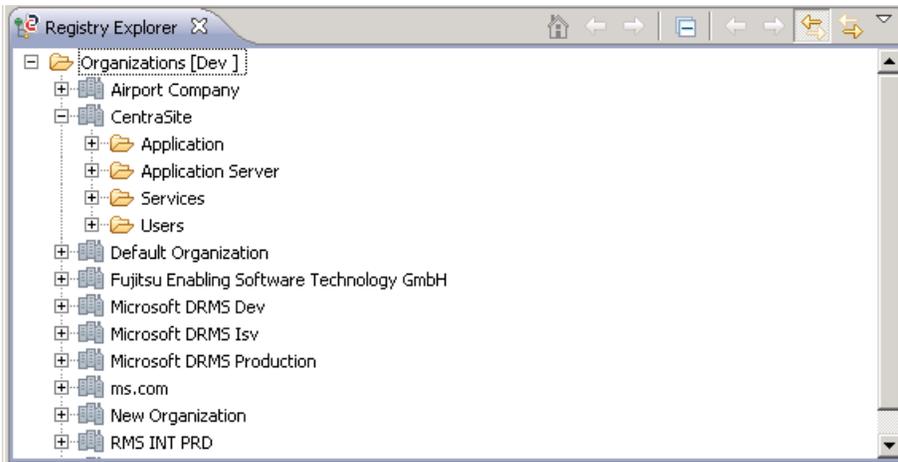
| Icon | Name | Action |
|---|-------------------------|---|
|  | Synchronize Other Views | <p>Toggles the selection mode in the My CentraSite view. When the button is not pressed, you have to double-click an entry in the view to display the corresponding registry objects in the Contents view. When the button is pressed, a single click updates the Contents view.</p> <p>The Workbench remembers the selection mode you have set for the My CentraSite view. The next time you open the view, the selection mode is set as you have left it.</p> |

Registry Explorer View

The Registry Explorer view displays registry objects contained in the CentraSite registry. System administrators can configure the view's contents, defining which registry objects are displayed. Different view configurations may be available. The menu in the view's toolbar allows you to choose the appropriate one to work with.

The default view configuration displays the organizations stored in the CentraSite registry and the **assets** and users assigned to them. It sorts the assets and users by organizations. For each organization, a tree structure is predefined which allows you to browse the assets defined for the organization and to navigate to all objects that are logically subordinate to it. Services and Users are predefined entry points to the tree structure. Additional entry points are available if assets are defined for the organization that are not directly or indirectly related to a service.

You can use the Registry Explorer view to browse the assets in the registry and create, organize and delete assets. Behind the top entry in the view, the name of the current **connection configuration** is displayed in square brackets.



Toolbar

| Icon | Name | Action |
|------|--------------|--|
| | Home | Displays the object hierarchy from the top level. For example, after you have chosen Go Into a number of times, you can use this option to return to the top level of the hierarchy. |
| | Back | Displays the hierarchy as it was shown immediately prior to the current display. For example, after you have chosen Go Into, Back returns you to the previous view. |
| | Go Into | Changes the display to show only the objects below the currently selected one. |
| | Collapse All | Collapses the hierarchy to display the objects at the top level only. |
| | Back | Displays the objects that were shown immediately prior to the current display. |

| | | |
|---|-------------------------|---|
| ➔ | Forward | Displays the hierarchy that was shown immediately after the current display. For example, if you just selected Back, selecting Forward returns the view to the display from which you activated Back. |
| ↔ | Follow Other Views | <p>For working with the default configuration only: Defines whether the Registry Explorer view reacts to selecting an object in another CentraSite view. When the button is not pressed, the view does not focus an object selected in another view. When the button is pressed, the object is focused.</p> <p>Note that an object selected in another view can only be focused if the ↔ button is pressed in the other view.</p> <p>The Workbench remembers the selection mode you have set for the Registry Explorer view. The next time you open the view, the selection mode is set as you have left it.</p> |
| ↔ | Synchronize Other Views | <p>For working with the default configuration only: Toggles the selection mode in the Registry Explorer view. When the button is not pressed, you have to double-click an entry in the view to focus the corresponding object in the Association Navigator view. When the button is pressed, a single click focuses the object in the Association Navigator view.</p> <p>Note that an object can only be focused in the Association Navigator view if the ↔ button is pressed in the Association Navigator view.</p> <p>The Workbench remembers the selection mode you have set for the Registry Explorer view. The next time you open the view, the selection mode is set as you have left it.</p> |
| | View Menu | <p>Opens a menu with options for different view configurations. Use the Default option for displaying the default configuration, i.e. all organizations stored in the CentraSite registry and the assets and users assigned to them.</p> <p>Contact your system administrator for information on the contents displayed by additional view configurations that are available.</p> |

Repository Explorer View

The Repository Explorer view by default displays the **folders and files** of the Supporting Documents Library which belongs to the organization to which you are assigned.

You can navigate the folder structures in the library, create new folders and carry out the following actions for existing folders: add to favorites, delete, rename, create **external links**, carry out an impact analysis or create documents.

Single-clicking a folder displays the folders and files it contains in the **Documents view**.

Provided you have the required access rights, you can choose to display more than the Supporting Documents Library in the view. The view allows you to access all folders of the CentraSite repository, thus enabling you to browse, for example, to:

- Schema definitions for object types. Schema definitions are stored in the projects/CentraSite/XMLSchemas folder.
- User-specific configurations for an impact analysis. The XML representation of a configuration is saved to the projects/CentraSite/Control/users/your_user_id/ImpactAnalysisFilters/ configuration_name.xml file.
- User-specific search queries. The XML representation of a search query is saved to the projects/CentraSite/Control/users/your_user_id/Queries/query_name.xml file.
- Icon files for object types. When creating or modifying object types, an icon file is automatically created in the projects/CentraSite/Icons folder of the repository and connected by an external link to the object type in the registry.



Toolbar

| Icon | Name | Action |
|------|-----------|---|
| | View Menu | Use the Advanced menu option to switch the contents displayed in the view. By default, the contents of the Supporting Documents Library is displayed. Choose this option to display all folders of the CentraSite repository. |

List Views

List views display lists of registry objects or folders and files.

- [Contents View](#)
- [Toolbar](#)
- [Documents View](#)
- [Toolbar](#)
- [Search View](#)

- **Toolbar**

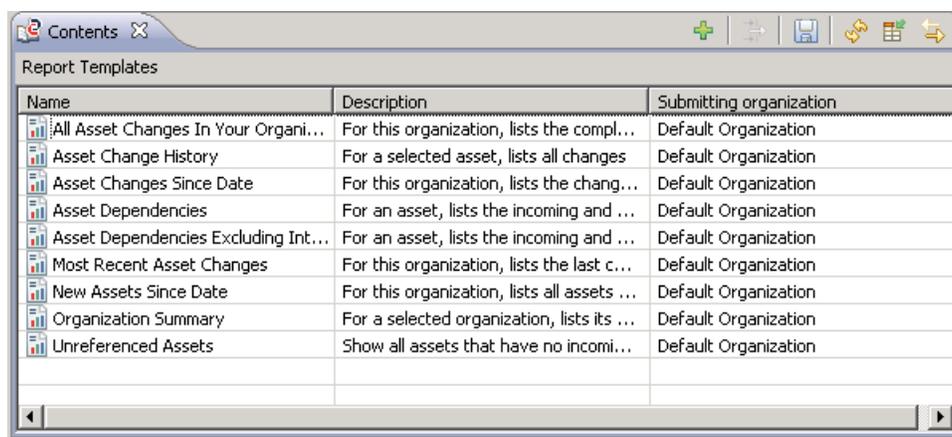
Contents View

The Contents view can display different information, depending on the element selected in the **Asset Types**, **My CentraSite** or **Administration view**. The view can also display the registry object that are the result of an impact analysis you carried out for a **registry object** or a **folder or file**, or the execution logs of **export**, **import** and **versioning** operations.

Registry objects in the view can be displayed in a simple or in a structured list:

- Click the plus sign (+) in front of an entry to expand the next level of the structure.
- Click the minus sign (-) in front of an entry to collapse the structure below.

You can use the Contents view to create, organize and delete registry objects. Depending on the **preference settings** you have defined for the **CentraSite Details Editor**, you can single-click or double-click a registry object in the view to display its details in the editor.



Toolbar

| Icon | Name | Action |
|------|-------------------------|---|
| | Add Object/Object Type | Starts a wizard for creating a new object. Specify the new object's properties in the wizard, as requested. |
| | Customize | Opens a dialog where you can customize the settings for an impact analysis. |
| | Save Report | Saves the current contents of the view to a file in HTML format. You can specify the path and name of the file in a dialog. |
| | Refresh | Updates the view's contents. |
| | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |
| | Synchronize Other Views | Toggles the selection mode in the Contents view. When the button is not pressed, you have to double-click an entry in the view to focus the |

| | |
|--|---|
| | <p>corresponding object in the Registry Explorer. When the button is pressed, a single click focuses the object.</p> <p>Note that an object in the Registry Explorer is only focused if the  button is pressed in these views.</p> <p>The Workbench remembers the selection mode you have set for the Contents view. The next time you open the view, the selection mode is set as you have left it.</p> |
|--|---|

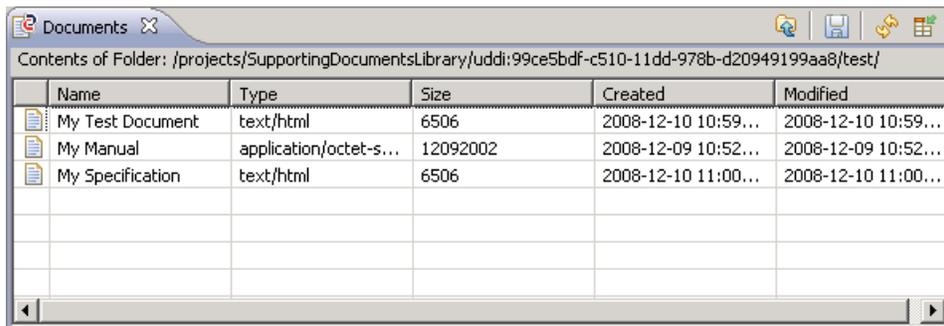
Additional options are available when the view displays notification requests and notifications. For details, see [Using notifications](#).

Documents View

The Documents view displays the folders and files contained in the folder that is currently selected in the [Repository Explorer view](#).

For a file, the view displays the latest version. You can carry out the following actions: view contents, delete, rename, add to favorites, create [external links](#), carry out an impact analysis or open the [CentraSite Details Editor](#) for the file.

For a folder, you can carry out the following actions: create folders and files in it, delete, rename, add to favorites, create external links, carry out an impact analysis or open the CentraSite Details editor for the folder. You can double-click a folder in the view to display the folders and files it contains and focus it in the Repository Explorer view.

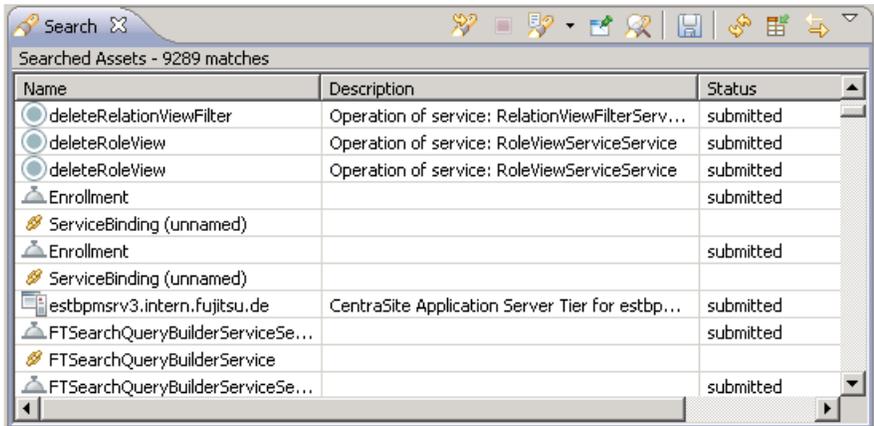


Toolbar

| Icon | Name | Action |
|---|----------------|---|
|  | Up | Moves up one level in the folder hierarchy, i.e. displays the contents of the current folder's parent folder in the Documents view. The parent folder is focused in the Repository Explorer view. |
|  | Save Report | Saves the current contents of the view to a file in HTML format. You can specify the path and name of the file in a dialog. |
|  | Refresh | Updates the view's contents. |
|  | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

Search View

The CentraSite Eclipse GUI uses an instance of the standard Eclipse Search view to display the **registry objects** found by a search request:



Toolbar

| Icon | Name | Action |
|---|--------------------------|---|
|  | Run Current Search Again | Repeats the current search request. |
|  | Cancel Current Search | Stops the execution of the current search request. |
|  | Show Previous Searches | Clicking the arrow next to the button displays a list of the most recent searches. This includes searches for registry objects as well as other searches you have carried out in the Eclipse workbench (e.g. file or Java searches). Selecting an entry in the list re-executes the corresponding search request. You can delete the entire list of recent searches by choosing Clear History at the bottom of the list. Choosing History or clicking the button displays a dialog where you can remove individual entries from the search history. |

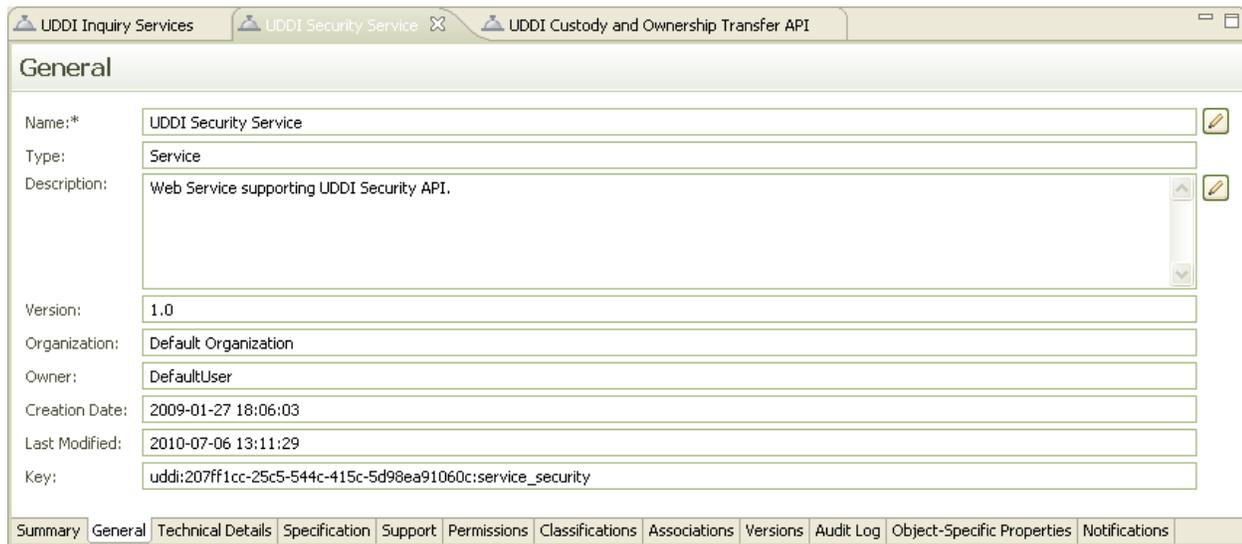
| | | |
|---|-------------------------|---|
|  | Pin the Search View | When the button is pressed, the view is pinned and not overwritten by the next search. The next search displays its results in a new view. If the button is not pressed, the view is not pinned and overwritten with the results of the next search that is carried out. |
|  | Refine Current Search | Opens the Search dialog where you can modify the criteria for the most recent search request and then execute the request. |
|  | Save Report | Saves the current contents of the view to a file in HTML format. You can specify the path and name of the file in a dialog. |
|  | Refresh | Updates the view's contents. |
|  | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |
|  | Synchronize Other Views | <p>Toggles the selection mode in the Search view. When the button is not pressed, you have to double-click an entry in the view to focus the corresponding object in the Registry Explorer. When the button is pressed, a single click focuses the object in these views.</p> <p>Note that an object can only be focused in the Registry Explorer if the  button is pressed in these views.</p> <p>The Workbench remembers the selection mode you have set for the Search view. The next time you open the view, the selection mode is set as you have left it.</p> |

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CentraSite Details Editor

- Related Topics 196
- CentraSite Details Editor for Registry Objects 197
- CentraSite Details Editor for Resources 199

The CentraSite Eclipse GUI adds the CentraSite Details editor to the Eclipse Workbench.



By default, the CentraSite Details editor is opened when a user double-clicks on an element in one of the CentraSite navigation or list views. CentraSite can display multiple editors for defining and modifying data on registry objects, folders or files. By working with multiple editors, you can define and modify information on multiple elements in parallel. Any number of editors can be open, but only one can be active at a time.

The tabs at the upper border in the editor area indicate the names of the registry objects, folders or files that are currently open for viewing or editing.

The information on the element open in the CentraSite Details editor is distributed across different tabs. You can select these tabs at the lower border of the editor area. The number of tabs available depends on the element that is currently selected. Only one tab can be active at a time.

Related Topics

[Working with the CentraSite Details editor](#)

[Changing preference settings](#)

[CentraSite Details editor for registry objects](#)

[CentraSite Details editor for resources](#)

CentraSite Details Editor for Registry Objects



Note: Objects of type User or Organization can be displayed in the editor but they cannot be modified. For objects of these types, the editor operates in read-only mode.

For modifying a registry object, the **CentraSite Details Editor** provides different tabs. Each tab corresponds to a **profile** that is assigned to the object's type. The profile definition specifies which attributes are displayed on each tab.

A tab is only displayed in the editor if you have view permission to the corresponding profile.

The following profiles are predefined in CentraSite and available for every registry object:

- **General**
- **Summary**

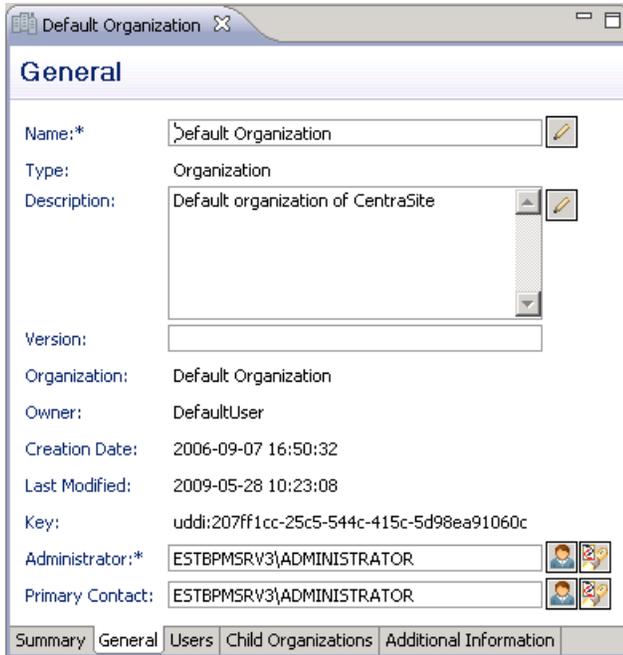
The following profiles are predefined in CentraSite. However, they are only available if they have been explicitly assigned to the object's type.

- **Associations**
- **Audit Log**
- **Classifications**
- **External Links**
- **Object-Specific Properties**
- **Permissions**
- **Notifications**
- **Versions**

If the CentraSite Details editor displays tabs different from those listed above, these tabs correspond to custom profiles. Custom profiles are profiles that have been defined for the object's type to meet the individual object type requirements. CentraSite provides, for example, the custom profiles Technical Details, Specification and Support for Service objects.

General

The General tab in the **CentraSite Details Editor** displays general **properties of the registry object** or general **properties of the folder or file** that is currently selected.



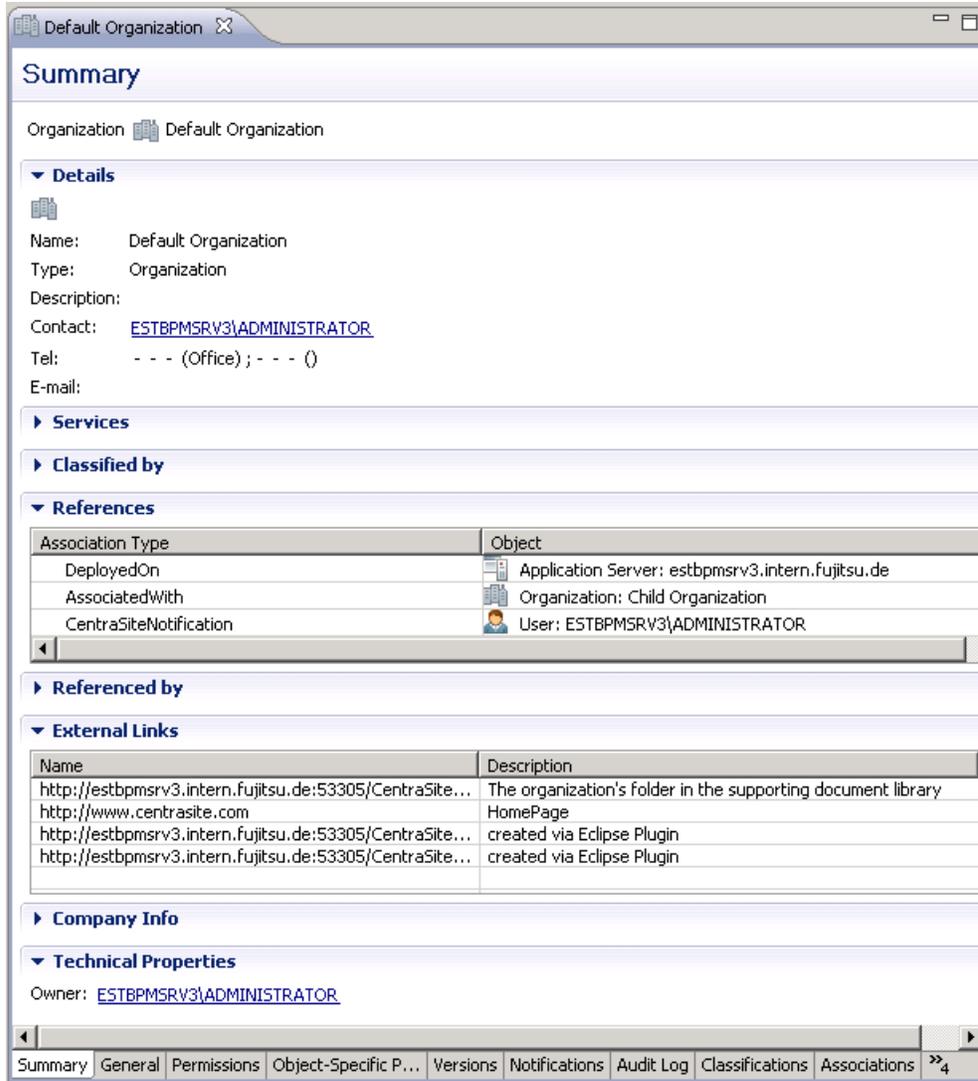
The properties differ, depending on the selected element. In general, the following information is displayed:

- Predefined properties of registry objects, folders or files.
- Type-specific custom properties of registry objects.
- The **user version identifier** for registry objects of specific types.

You can update properties by editing the corresponding fields, or by clicking the buttons next to the fields and filling in the dialogs displayed.

Summary

The Summary tab in the **CentraSite Details Editor** provides an overview of the most important **properties, classifications, associations and implicit references** of the selected **registry object**. You cannot make any changes on this tab.



CentraSite Details Editor for Resources

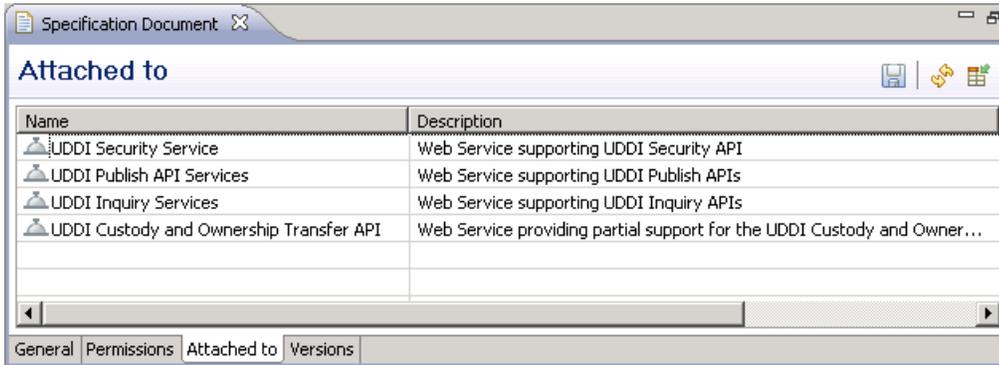
For **folders and files** stored in the CentraSite repository, the **CentraSite Details Editor** provides the following tabs:

- **Attached To**
- **General**
- **Permissions**
- **Versions**(for files only)

Attached To

The Attached To tab in the **CentraSite Details Editor** displays the **registry objects** to which the selected **folder or file** is connected via an **external link**.

By double-clicking an external link in the list or selecting the Details option from an external link's context menu, you can open the external link's definition in the CentraSite Details editor.



Toolbar

| Icon | Name | Action |
|------|----------------|---|
| | Save Report | Saves the current contents of the view to a file in HTML format. You can specify the path and name of the file in a dialog. |
| | Refresh | Updates the tab's contents. |
| | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

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Dialogs and Wizards

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The following help topics describe dialogs and wizards of the CentraSite Eclipse GUI:

Customize Dialog

In the Customize dialog, you can select the types of **associations**, **implicit references** and **registry objects** you want to include in an impact analysis for registry objects and display in the **Contents view**.

The dialog has the following tabs which are described in the corresponding help topics:

- **General tab**
- **Types tab**
- **Associations tab**
- **Implicit References tab**

The following fields and options in the dialog's upper area are common to all tabs:

| Field / Option | Description |
|----------------|---|
| Configuration | <p>Enables you to save and restore dialog settings:</p> <ul style="list-style-type: none"> ■ To save the current settings: Type or select a name of your choice in the Configuration field and click Save. The saved settings are user-specific and can be restored by the same user on any client. ■ To restore a set of settings you have saved: Select the corresponding configuration in the Configuration field. |
| Save | Saves the current dialog settings under the name specified in the Configuration field. |
| Remove | Removes the set of settings specified in the Configuration field from the list of saved configurations. |

The Apply button at the bottom of the dialog applies your settings without closing the dialog. For example, you can change settings and click Apply to see the effects in the Contents view. When you are satisfied, you can save the settings in a configuration.

General Tab (Customize Dialog)

On the General tab of the Customize dialog, you can specify the number of association levels and the classifications to be considered in an impact analysis and displayed in the Contents view.

The tab has the following fields and options:

| Field / Option | Description |
|--|--|
| Depth of references to show | A number entered in the field specifies the maximum number of association levels to consider/display. By clicking Set to Maximum, the number of levels is set to the maximum, indicated by the value Max in the input field. |
| Show classifications of | Specify whether or not classifications are to be displayed for taxonomies, categories and/or classifications by selecting or deselecting the corresponding checkboxes. |
| Show classifications by object type category | Specify whether the object type of a registry object is to be shown as a classification in addition to being displayed as the object's type. |

Types Tab (Customize Dialog)

On the Types tab of the Customize dialog, you can specify the types of registry objects to be considered in an impact analysis and displayed in the Contents view.

The table shows the available object types.

In the Follow column of the table, select the types of registry objects which are to be considered when retrieving an object's associations and implicit references. In the Display column, select the types of registry objects that are to be displayed in the Contents view. Object types you include for following associations do not need to be displayed. On the other hand, object types you want to display must also be followed.

Use the Select all options below the table to select or deselect all types in the corresponding table columns.

Associations Tab (Customize Dialog)

On the Associations tab of the Customize dialog, you can specify the types of associations to be considered in an impact analysis.

The table shows the available association types. By checking the Show internal association types option, you can include association types which are reserved for CentraSite-internal use.

You can select association types in either the Top down or the Bottom up column of the table. The column decides where the corresponding associations and target objects are displayed in the Association Navigator view with respect to the source object:

- Top down: The associations and target objects are displayed below the source object.
- Bottom up: The associations and target objects are displayed above the source object.

Use the Select all options below the table to select or deselect all association types in the corresponding table columns.

Implicit References Tab (Customize Dialog)

On the Implicit References tab of the Customize dialog, you can specify the types of implicit references to be considered in an impact analysis and displayed in the Association Navigator view.

The table shows the available types of implicit references.

You can select implicit reference types in either the Top down or the Bottom up column of the table. The column decides where the corresponding references and target objects are displayed in the Association Navigator view with respect to the source object:

- Top down: The references and target objects are displayed below the source object.
- Bottom up: The references and target objects are displayed above the source object.

Use the Select all options below the table to select or deselect all implicit reference types in the corresponding table columns.

Edit Dialog

In the Edit Name or Edit Description dialog, you can specify registry object **names or descriptions** for different locales.

The dialog has the following fields and options:

| Field / Option | Description |
|--------------------------|---|
| + | Displays a dialog where you can select one or more locales that are to be added to the list of Defined locales in the Edit Name or Edit Description dialog. |
| - | Removes the selected entries from the list of Defined locales in the Edit Name or Edit Description dialog. |
| Defined locales | Displays the locales in which the name or description of the registry object can be specified. An asterisk indicates the locale for the default language selected in the Preferences . |
| Value of selected locale | Displays the value, i.e. the object name or description, for the locale selected in the list of Defined locales. You can change the value here as required. |

New/Modify Type Wizard

The following help topics describe the pages of the wizard used to create or modify an object type.

- [General Page](#)
- [Attributes Page](#)
- [Custom Profiles Page](#)
- [Predefined Profiles Page](#)
- [Profile Order Page](#)

General Page

On the General page of the New Type or Modify Type wizard, you specify general parameters for the object type you want to create or modify. When you modify a predefined asset type or the system-defined types Organization or User, options on this page are write-protected.

The page has the following fields and options:

| Field / Option | Description |
|----------------|---|
| Name | Alphanumeric name of the type which is to be displayed at the CentraSite user interfaces. |
| Description | Optional. An alphanumeric description of the type. |
| Schema name | The schema name of the type. This name is used internally by CentraSite operations. This name can contain only letters, numbers, and the underscore character (_). |
| Namespace | The URL specifying the namespace for the type, for example, http://www.MyCompany.com/MyDepartment . The URL does not need to be the address of a real Web location, but it should be chosen to be unique to your business organization and represent your company or department as precisely as possible. |
| Large icon | Optional. An icon to be displayed for the type and all of its objects on the Detail Pages in the CentraSite Control (Web interface). Use the Browse button to select the icon in the CentraSite repository or in your local file system. If you specify an icon, a corresponding file is automatically created in the projects/CentraSite/Icons folder of the repository, if it does not yet exist there, and connected by an external link to the object type in the registry. If you do not specify an icon, the CentraSite icon for categories is used for the type and its objects. |
| Small icon | Optional. An icon to be displayed for the type and all of its objects in the CentraSite Eclipse GUI and on the List Pages in the CentraSite Control (Web interface). Use the Browse button to select the icon in the CentraSite repository or in your local file system. If you specify an icon, a corresponding file is automatically created in the projects/CentraSite/Icons folder of the repository, if it does not yet exist there, and connected by an external link to the object type in the registry. If you do not specify an icon, the CentraSite icon for categories is used for the object type and its objects. |

Attributes Page

On the Attributes page of the New Type or Modify Type wizard, you specify **attributes** for the object type you want to create or modify. Attributes defined for predefined object types cannot be modified or deleted.

The page has the following fields and options:

| Field / Option | Description |
|----------------|--|
| + | Displays the New Attribute dialog for defining a new attribute. An entry for the new attribute will be added to the table on the Attributes page as soon as it is defined. |
| - | Removes the selected entry from the table on the Attributes page and thus the attribute from the type's definition. When you modify a predefined asset type or the system-defined types Organization or User, the predefined attributes cannot be deleted. |
| Attributes | <p>Displays the attributes already defined for the object type. To modify an existing attribute, double-click it in the table. This displays the Modify Attribute dialog to change the attribute's definition.</p> <p>The table shows the following details:</p> <ul style="list-style-type: none"> ■ Name: Alphanumeric name of the attribute. ■ Type: The data type for the values of the attribute. ■ Description: The alphanumeric description of the attribute. |

Custom Profiles Page

On the Custom Profiles page of the New Type or Modify Type wizard, you define new **profiles** or modify existing profiles for the object type.

The page has the following fields and options:

| Field / Option | Description |
|-----------------|---|
| + | Displays the New Profile dialog for defining a new profile from the attributes that are currently defined for the type. |
| - | Removes the selected profile from the table on the Custom Profiles page and thus the profile from the type. |
| Custom profiles | <p>Displays the custom profiles already defined for the object type in a tree structure. Each profile is listed with subordinate entries for the attributes that are assigned to it.</p> <p>To modify an existing profile, double-click it in the table. This displays the Modify Profile dialog to change the current assignment of attributes.</p> |

Predefined Profiles Page

On the Predefined Profiles page of the New Type or Modify Type wizard, you can select which **predefined profiles** you want to display for objects of this type in the **CentraSite Details Editor**. Profile assignments for predefined object types and the system-defined object types Organization and User cannot be removed.

The page lists all profiles that are predefined in CentraSite:

- Associations
- Audit Log
- Classifications
- External Links
- Object-Specific Properties
- Permissions
- Notifications
- Versions

Select the profiles to be displayed for the type. Remove a selection to deassign a profile.

Associations

The Associations tab in the **CentraSite Details Editor** displays the **associations** of the currently selected **registry object**.

The Associations tab displays:

- the selected object's outgoing associations. The tab displays each association that starts at the object with the corresponding target object.
- the selected object's incoming associations. The tab displays each association that ends at the object with the corresponding source object.

You can add and remove outgoing associations and browse to a source or target object. For adding or removing incoming associations, you have to browse to the corresponding source object.

By double-clicking an association in the list or selecting the Details of Target Object option from an association's context menu, you can open the definition of the target object in the CentraSite Details editor. Using the Details of Association option, you can open the definition of the association.

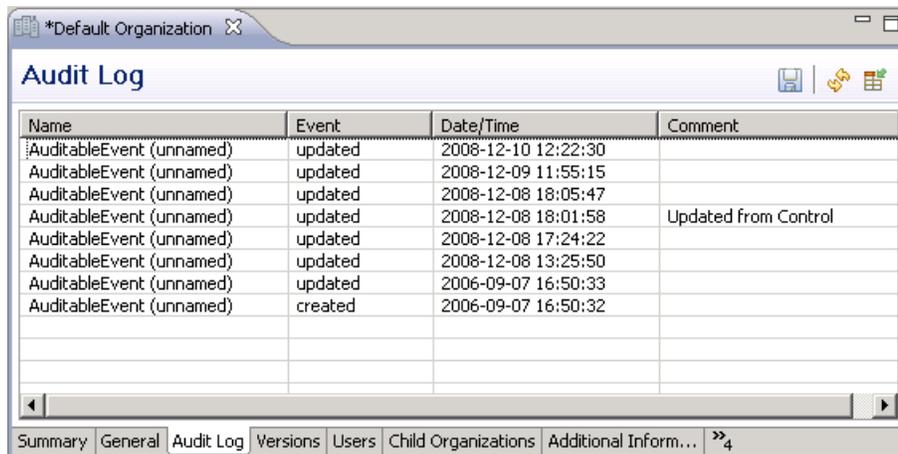


Toolbar

| Icon | Name | Action |
|---|---------------------|---|
|  | Assign Associations | Starts a wizard for adding one or more outgoing associations to the registry object. |
|  | Remove Associations | Deletes the outgoing associations selected in the table. |
|  | Save Report | Saves the current list of associations to a file in HTML format. You can specify the path and name of the file in a dialog. |
|  | Refresh | Updates the tab's contents. |
|  | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

Audit Log

The Audit Log tab of the **CentraSite Details Editor** displays the events recorded in the **audit log** for the selected **registry object**.



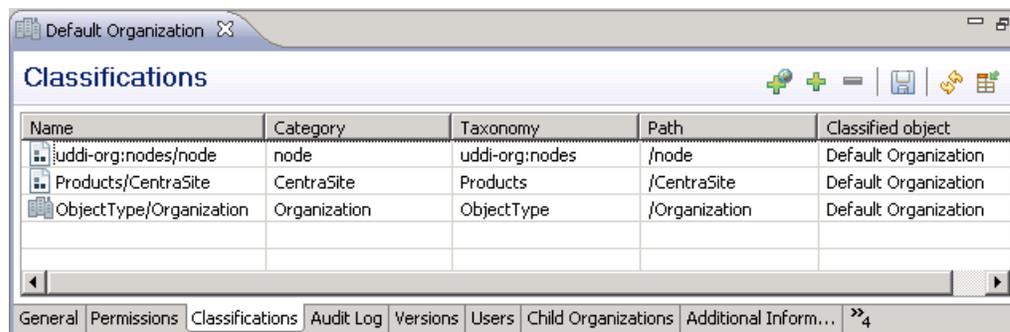
Toolbar

| Icon | Name | Action |
|---|----------------|--|
|  | Save Report | Saves the current contents of the log to a file in HTML format. You can specify the path and name of the file in a dialog. |
|  | Refresh | Updates the tab's contents. |
|  | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

Classifications

The Classifications tab in the **CentraSite Details Editor** displays the **internal and external classifications** assigned to the currently selected **registry object**.

You can add and remove classifications. By double-clicking a classification in the list or selecting the Details option from a classification's context menu, you can open the classification's definition in the CentraSite Details editor.



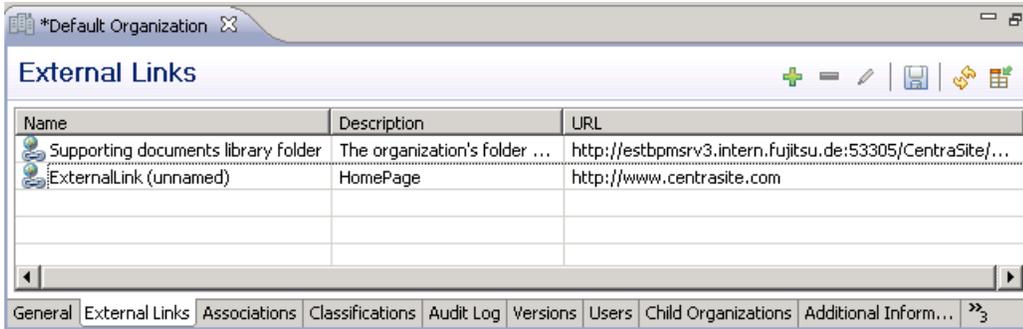
Toolbar

| Icon | Name | Action |
|------|------------------------------|--|
| | Add External Classification | Starts a wizard for adding an external classification to the registry object. |
| | Add Internal Classifications | Starts a wizard for adding internal classifications to the registry object. |
| | Remove Classifications | Deassigns the selected classifications from the registry object. |
| | Save Report | Saves the current contents of the tab to a file in HTML format. You can specify the path and name of the file in a dialog. |
| | Refresh | Updates the tab's contents. |
| | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

External Links

The External Links tab in the **CentraSite Details Editor** displays the **external links** of the currently selected **registry object**.

You can add, modify and remove external links, and display the target of an external link in a Web browser or in an editor of the Eclipse Workbench. By double-clicking an external link in the list or selecting the Details option from an external link's context menu, you can open the external link's definition in the CentraSite Details editor.



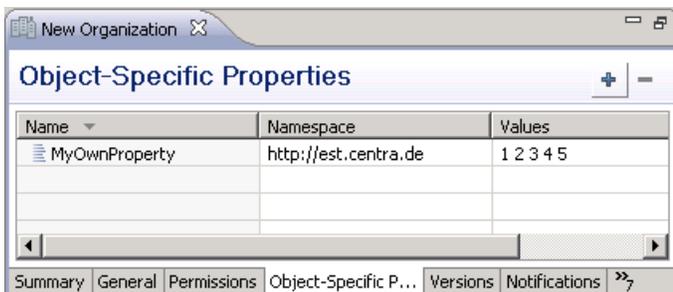
Toolbar

| Icon | Name | Action |
|------|-----------------------|--|
| | Add External Link | Opens a dialog for adding an external link to the currently selected registry object. |
| | Remove External Links | Removes the selected external links. |
| | Edit URL | Opens a dialog for modifying the URL of the selected external link. |
| | Save Report | Saves the current contents of the tab to a file in HTML format. You can specify the path and name of the file in a dialog. |
| | Refresh | Updates the tab's contents. |
| | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

Object-Specific Properties

The Object-Specific Properties tab in the **CentraSite Details Editor** displays the **object-specific properties of the registry object** that is currently selected.

You can define new object-specific properties or remove existing properties from the definition. You can also modify existing properties. To do so, double-click the corresponding entry in the table to display a dialog for changing the property's definition.



Toolbar

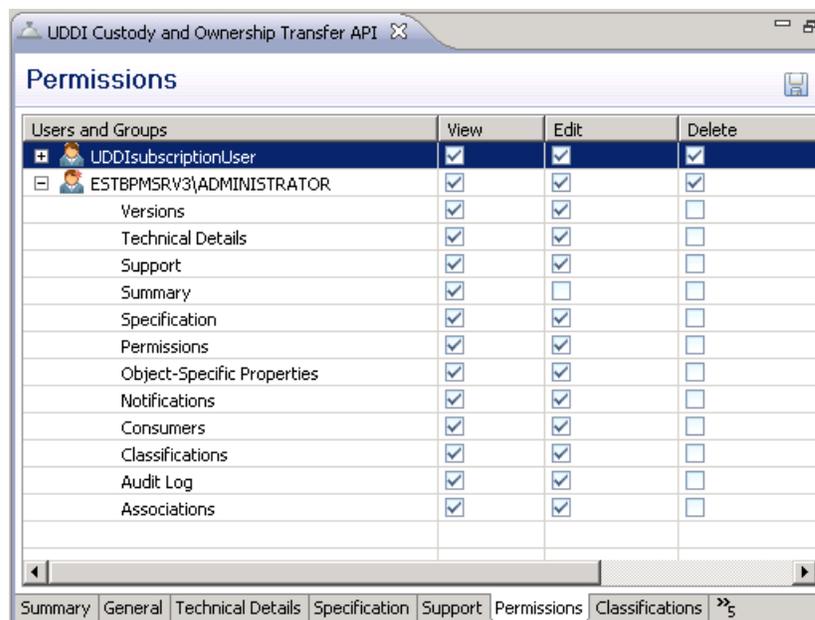
| Icon | Name | Action |
|------|-----------------|--|
| + | Add Property | Displays a dialog for defining a new property. An entry for the new property will be added to the table on the tab as soon as it is defined. |
| - | Remove Property | Removes the selected entry from the table on the tab and thus the property from the definition. |

Permissions

The Permissions tab in the **CentraSite Details Editor** displays the security settings for the **registry object, object type** or **folder or file** currently selected.

An option that is checked indicates that the user or group is granted the corresponding permission. An option that is not checked indicates that the user or group is denied the corresponding right.

You cannot make changes on this tab. For defining security settings, use the CentraSite Control (Web interface).



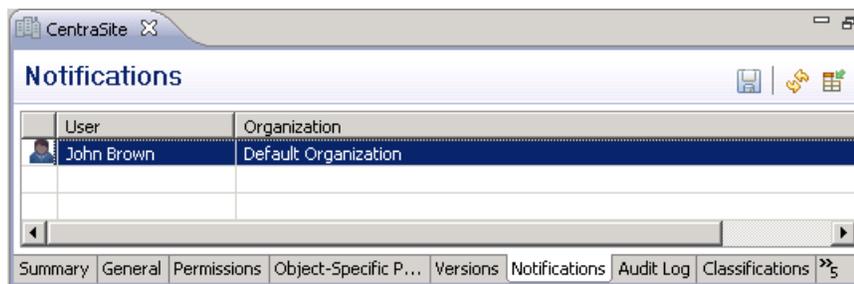
Toolbar

| Icon | Name | Action |
|---|-------------|--|
|  | Save Report | Saves the current contents of the tab to a file in HTML format. You can specify the path and name of the file in a dialog. |

Notifications

The Notifications tab in the **CentraSite Details Editor** displays the users who have registered a **notification request** for the selected **registry object** in order to be notified about changes.

By double-clicking a user entry in the list or selecting the Details of Target Object option from a user's context menu, you can open the user's definition in the editor. Using the Details of Association option in a user's context menu, you can open the definition of the underlying association.



Toolbar

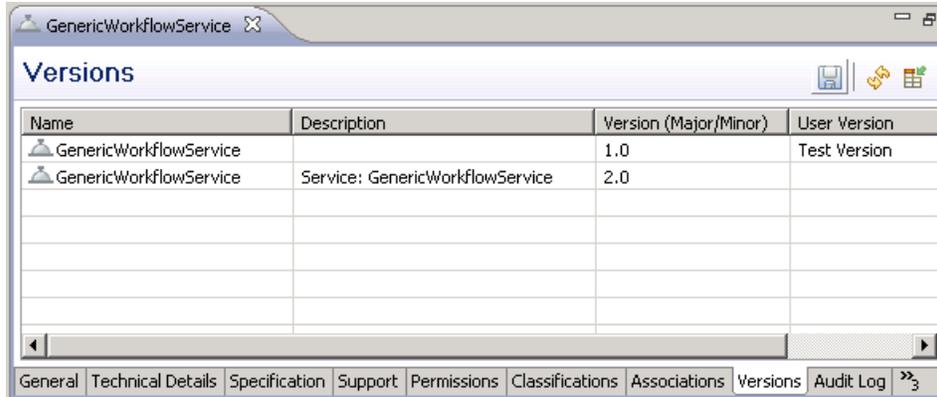
| Icon | Name | Action |
|---|----------------|--|
|  | Save Report | Saves the current contents of the table to a file in HTML format. You can specify the path and name of the file in a dialog. |
|  | Refresh | Updates the tab's contents. |
|  | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

Versions

The Versions tab of the **CentraSite Details Editor** displays the versions of a **registry object** or **file**.

For registry objects only: By double-clicking a version in the list or selecting the Details option from a version's context menu, you can open the version's definition in the CentraSite Details editor.

For files only: By double-clicking a version in the list or selecting the Show Document option from a version's context menu, you can display the version's contents in an editor. The editor that is opened depends on the file's type. You can specify the editors to be used for specific file types in the Preferences of the Workbench.



Toolbar

| Icon | Name | Action |
|------|----------------|---|
| | Save Report | Saves the current contents of the view to a file in HTML format. You can specify the path and name of the file in a dialog. |
| | Refresh | Updates the tab's contents. |
| | Select Columns | Opens a dialog where you can select the columns to be displayed in the table. |

Profile Order Page

On the Profile Order page of the New Type or Modify Type wizard, you define in which order the custom profiles and predefined profiles are to be displayed in the [CentraSite Details Editor](#).

The page lists all profiles that are currently assigned to the type. indicates that a profile is a custom profile, indicates that a profile is a predefined profile.

Use the arrow buttons on the left of the profile list to sort the profiles: Select a profile in the list and move it to the required position by using the up or down arrow.

New/Modify Attribute Dialog

In the New Attribute or Modify Attribute dialog, you define or modify an [attribute](#) for an object type.

The dialog has the following fields and options:

| Field / Option | Description |
|----------------|--|
| Name | <p>The display name for the attribute. This is the name that users will see when they view instances of this type in the user interface. Therefore, the name should be meaningful.</p> <p>The display name can contain any combination of characters, including spaces. You can change an attribute's display name at any time.</p> |
| Schema Name | <p>The schema name for the attribute. The schema name is the internal name that CentraSite assigns to the attribute. This name can contain only letters, numbers and the underscore character (_).</p> <p>CentraSite automatically generates a schema name for the attribute based on the name you enter in the Name field. However, if your display name contains special characters, you may need to explicitly edit the schema name to ensure that it contains only letters, numbers, and the underscore character (_).</p> <p>After you create and save an attribute, you can no longer change its schema name.</p> <p>For additional information about attribute display names and schema names, see Attribute Names.</p> |
| Description | Optional. An alphanumeric description of the attribute. |
| Required | Check this option if the attribute is mandatory. Otherwise, it is optional. |
| Read-only | Check this option if the attribute is read-only. Otherwise, the attribute value can be changed for an object of this type. |
| Multiplicity | Select Single value if the attribute has just one value. Select Multiple value if the attribute has more than one value. |
| Data type | The data type for the values of the attribute: Select one of the available types from the list and specify the data type specific information that is required (see below). |

Data Types in New/Modify Attribute Dialog

| Date Type | Description |
|--------------------|---|
| Boolean | Data type for visualizing a property of a registry object. Select Yes or No as default value. |
| Classification | Data type for visualizing a classification of a registry object. Specify a taxonomy and optionally a category that belongs to the taxonomy. |
| Computed Attribute | Data type for visualizing a property , classification or external link of a registry object. |
| Date/Time | Data type for visualizing a property of a registry object. You can select whether to specify date and time or date only or time only. You can also enter a default value for the date and/or time. |
| Duration | Data type for visualizing a property of a registry object. You can specify a default value for the duration. |
| E-Mail | Data type for visualizing an e-mail address as a property of a registry object. |
| File | Data type for visualizing an external link for a registry object. |

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|--------------|--|
| IP Address | Data type for visualizing an IP address as a property of a registry object. You can choose between IPV4 and IPV6 and enter a default value. |
| Number | Data type for visualizing a number as a property of a registry object. You can define a label for the number, either as prefix or suffix. You can also enter a default value. |
| Relationship | Data type for visualizing an association of a registry object. Select the association type and the object type for the target objects of the association. |
| String | Data type for visualizing a property of a registry object. Check the Internationalized option if the attribute is to support values for different locales. Check the Enumeration option and specify multiple string values if the user is to choose the attribute value from a select list. For both options, you can specify a default value. |
| URL/URI | Data type for visualizing a URL/URI as a property of a registry object. You can enter a default value for the attribute. |

New/Modify Profile Dialog

In the New Profile or Modify Profile dialog, you define or modify a **profile** for an object type.

The dialog has the following fields and options:

| Field / Option | Description |
|----------------------|--|
| Name | Alphanumeric name of the profile. The name must not contain blanks or special characters that are forbidden in XML element names. It must be unique within the profiles you define for the object type. It is recommended that you do not use the names of predefined profiles for your custom profiles. |
| Available attributes | All attributes that are defined for the object type. Select the attributes to be assigned to the profile. Remove a selection to deassign an attribute. |

Select Date and Time Dialog

In the Select Date and Time dialog, you can specify the date and time to be used for the property, condition or action from which you invoked the dialog.

The dialog has the following fields and options:

| Field / Option | Description |
|----------------|---|
| Calendar | Displays the days of a month. Using the arrows on top, you can move to the previous month, the same month of the previous year, the same month of the next year, or the next month. Click a day in the calendar to select it. To select the current day, click Today. The selected day is displayed in the Selected date field below the table. |
| Time | Specify a time of day in the following format: HH:mm:ss. You must at least enter an hour; the minutes and seconds are substituted by 0 if not specified. |
| Timezone | Select the timezone to be used: The local timezone of your computer or UTC. If both are not suitable to your needs, you can add a time difference compared to UTC to the entry in the Time field using a + sign, for example: 13:00+07 adds 7 hours to 13:00 UTC time. |

Select Object Dialog

For various actions you carry out in the CentraSite Eclipse GUI, you can select the registry objects of relevance in a Select Object dialog or on a corresponding wizard page. Object specifies the type of the registry object you are going to select, for example, Organization or Service.

The table in the lower area of the dialog contains the registry objects which are candidates for selection. You can reduce this list by specifying search conditions in the upper area of the dialog and clicking Search. When you have found the registry object you are looking for, select it in the table and click OK. For specific actions, you can select more than one registry object.

The dialog has the following fields and options:

| Field / Option | Description |
|---|--|
|  | Opens the Add Condition dialog for adding a search condition . |
|  | Removes the selected search condition. Conditions specifying object types cannot be removed. Depending on the action for which you opened the dialog, other conditions may not be removable, too. |
|  | Opens a Search dialog and displays the XQuery representation of the search conditions on the CentraSite XQuery page . |
| Saved search | Enables you to save and restore a set of search conditions: <ul style="list-style-type: none"> ■ To save the current search conditions: Type or select a name of your choice in the Saved search field and click Save. The saved queries are user-specific and can be restored by the same user on any client. ■ To restore a set of search conditions you have saved: Select the corresponding query in the Saved search field. |
| Save | Saves the current search conditions under the name specified in the Saved search field. |
| Condition table | Displays the current search conditions. The conditions are combined by logical ANDs. They cannot be ORed. Double-clicking a condition opens the Modify Condition dialog |

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| | where you can modify the condition's details. Depending on the action for which you opened the dialog, specific conditions may not be editable. |
| Search | Retrieves all registry objects that fulfill the search conditions and enters them in the table below. |
|  | Saves the current list of registry objects to a file in HTML format. You can specify the path and name of the file in a dialog. |
|  | Updates the list of registry objects. |
|  | Opens a dialog where you can select the columns to be displayed in the table. |
| Objects table | Displays the registry objects that fulfill the search conditions. Click an object to select it. |

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CentraSite Pages in BIRT

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The CentraSite Eclipse GUI integrates the following pages in wizards and dialogs of the Eclipse Business Intelligence and Reporting Tools (BIRT):

CentraSite Registry Page

The CentraSite Eclipse GUI integrates the CentraSite Registry page in the BIRT Edit Data Source dialog for data sources of type CentraSite.

The page has the following fields and options:

| Field / Option | Description |
|----------------------|---|
| Object/table mapping | Specifies how the elements defined in the CentraSite registry are mapped to tables and columns that are usable by BIRT. Usually, you can work with the default mapping that comes with the CentraSite Eclipse GUI. In this case, select Use default mapping. Alternatively, you can select Use file from URL and specify the URL of an XML file that defines a different mapping; for details about such XML files, contact your CentraSite support organization. |

Define Query Page

The CentraSite Eclipse GUI integrates the Define Query page in the BIRT New Data Set wizard and Edit Data Set dialog for data sets that use a data source of type CentraSite.

The page has the following fields and options:

| Field / Option | Description |
|-----------------|---|
| Name patterns | Partial or full pattern for the name of the registry objects you want to include in your reports. The wildcard character for the name pattern is "%". The name pattern must comply with the SQL-92 LIKE specification. For example, Sample% searches for registry objects whose names start with the string Sample. Specification of a name pattern is mandatory. |
| Type | The type of the registry objects you want to include in your reports. You must select exactly one type. |
| Find qualifiers | Options that determine the registry object search behavior. The options you can choose are compliant with the UDDI API specification: exactNameMatch When selected, only the objects are returned whose names exactly match the pattern specified in the Name Pattern field. Otherwise, a lexical-order name match behavior is applied. caseSensitiveMatch When selected, only the objects are returned whose names exactly match the case of the pattern specified in the Name Pattern field. Otherwise, the search is case-insensitive. |

| | |
|------------|---|
| | <p>None, sortByNameAsc, sortByNameDesc Specifies how the names of the registry objects returned are to be sorted:</p> <ul style="list-style-type: none"> ■ None: The default sort order defined in the registry is applied. ■ sortByNameAsc: The names are sorted in ascending alphabetic order. ■ sortByNameDesc: The names are sorted in descending alphabetic order. <p>None, sortByDateAsc, sortByDateDesc Specifies how the registry objects returned are to be sorted depending on their last-update date. The registry objects are first sorted by their name, then by their last-update date:</p> <ul style="list-style-type: none"> ■ None: The default sort order defined in the registry is applied. ■ sortByDateAsc: The names are sorted in ascending chronological order. ■ sortByDateDesc: The names are sorted in descending chronological order. <p>None, orLikeKeys, orAllKeys, andAllKeys Specifies the boolean operator for combining the categories you select in the list below:</p> <ul style="list-style-type: none"> ■ None: The default operator defined in the registry is applied. ■ orLikeKeys: Categories selected in the same taxonomy are ORed, categories of different taxonomies are combined by logical ANDs. ■ orAllKeys: All the selected categories are ORed. ■ andAllKeys: All the selected categories are combined by logical ANDs. |
| Categories | Select one or more categories that classify the registry objects you are looking for. The categories you select are combined by the boolean operator you choose under Find qualifiers. |

Specify XQuery Page

The CentraSite Eclipse GUI integrates the Specify XQuery page in the BIRT New Data Set wizard and Edit Data Set dialog for data sets that use a data source of type CentraSite XQuery.

The page has the following fields and options:

| Field / Option | Description |
|----------------|--|
| Query | <p>The query that specifies the data to be retrieved from the registry and to be included in the data set. The query must be written in XQuery syntax and format. For details on XQuery in CentraSite, contact your CentraSite support organization.</p> <p>Example:</p> <p>The following query retrieves all registry objects of type organization from the registry.</p> |

| | |
|--------------------------------------|---|
| | declare namespace cs="http://namespaces.CentraSite.com/Schema/jaxr"; for \$ro in collection("CentraSite")/cs:organization return \$ro |
| Delete Query | Removes any text from the Query field. |
| Load | Opens a dialog where you can select a text file that contains a query. The text file contents is loaded into the Query field. |
| Paste | Pastes the contents of the clipboard to the Query field. Alternatively, you can press CTRL + V on your keyboard. |
| Preview first x lines of source data | Allows you to specify the maximum number of table rows that the BIRT preview function should display. If you do not check this option, the number of rows is unlimited. |

Define Table Mapping Page

The CentraSite Eclipse GUI integrates the Define Table Mapping page in the BIRT New Data Set wizard and Edit Data Set dialog for data sets that use a data source of type CentraSite XQuery.

The page has the following fields and options:

| Field / Option | Description |
|------------------|--|
| XML Structure | Shows the schema information for the registry elements that match the given query. One of these elements must be mapped to a table which is usable by BIRT. To do this, select the desired element, click the > button and specify the XPath expression for addressing the element in the registry. The XPath expression is entered in the XPath expression field. |
| XPath expression | Specifies the XPath expression for addressing the element, that is to be mapped to a table, in the CentraSite registry. |

Define Column Mapping Page

The CentraSite Eclipse GUI integrates the Define Column Mapping page in the BIRT New Data Set wizard and Edit Data Set dialog for data sets that use a data source of type CentraSite XQuery.

The page has the following fields and options:

| Field / Option | Description |
|----------------|--|
| XML Structure | Shows the schema information for the registry elements that match the given query. One of these elements must have been mapped to a table which is usable by BIRT on the Define Table Mapping page ; this element is highlighted. You can choose any of the other elements and map them to columns of the given table. To do this, select the desired element and click the > button. In the dialog displayed, specify the column name, the XPath expression for addressing the selected element in |

| | |
|----------------|--|
| | the CentraSite registry, and the data type for the element's value. The specified parameters are entered in the Column Mapping table. |
| Column Mapping | <p>Specifies the mappings of registry elements to columns usable by BIRT. After clicking the <new mapping here> entry, you can type the column name, XPath expression and data type for a new mapping directly in the table.</p> <p>Use the arrow buttons to change the order of the columns: Select an entry and click the relevant button to move it up or down in the list.</p> <p>Click the  button to delete the selected mapping from the list.</p> |
| Table Preview | Shows a preview of the table and columns you have defined. Click the  button to create or update the preview. |

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CentraSite Pages in the Search Dialog

- CentraSite Advanced Search Page 226
- CentraSite Keyword Search Page 226
- CentraSite XQuery Page 227

For searching registry objects, the CentraSite Eclipse GUI adds the following pages to the standard Search dialog of the Eclipse Workbench:

Use the Customize option to select or deselect the pages to be displayed in the Search dialog.

CentraSite Advanced Search Page

The CentraSite Eclipse GUI adds the CentraSite Advanced Search page to the standard Search dialog of the Eclipse Workbench.

The page has the following fields and options:

| Field / Option | Description |
|---|--|
|  | Opens the Add Condition dialog for adding a search condition to the table. |
|  | Removes the selected search condition from the table. Conditions specifying an object type cannot be removed. |
|  | Opens a new Search dialog and displays the XQuery representation of the search conditions on the CentraSite XQuery page . |
| Saved search | Enables you to save and restore a set of search conditions: <ul style="list-style-type: none"> ■ To save the current search conditions: Type a name of your choice in the Saved search field and click Save. The saved queries are user-specific and can be restored by the same user on any client. ■ To restore a set of search conditions you have saved: Select the corresponding query in the Saved search field. The search conditions are displayed on the CentraSite Advanced Search page. You can modify the restored search conditions and save them under the same or a different name. |
| Condition table | Displays the current search conditions. The conditions are combined by logical ANDs in the search. They cannot be ORed. Double-clicking a condition opens the Modify Condition dialog where you can modify the condition's details. |

CentraSite Keyword Search Page

The CentraSite Eclipse GUI adds the CentraSite Keyword Search page to the standard Search dialog of the Eclipse Workbench.

The page has the following fields and options:

| Field / Option | Description |
|----------------|--|
| Saved search | <p>Enables you to save and restore a keyword search:</p> <ul style="list-style-type: none"> ■ To save the current keywords: Type a name of your choice in the Saved search field and click Save. The saved queries are user-specific and can be restored by the same user on any client. ■ To restore a keyword search you have saved: Select the corresponding query in the Saved search field. The keywords to search for are displayed on the CentraSite Keyword Search page. You can modify the restored keywords and save them under the same or a different name. |
| Search | <p>Enter the keywords to search for. Note the following when entering keywords:</p> <ul style="list-style-type: none"> ■ Separate the keywords by spaces, if you enter more than one keyword. The search returns all registry objects that match at least one of the keywords, i.e. the keywords are combined by logical ORs. ■ A keyword is treated as a partial string. Searching for al, for example, returns CalcService, Calendar or AustralianPostCode. Use quotes if you do not want a keyword to be treated as a partial string. The search is then performed on the exact string within the quotes. ■ The search is not case-sensitive. This also applies if you search for strings in quotes. Searching for abc, for example, returns the same result as searching for ABC. ■ Use * or % as wildcard. Searching for A%n, for example, returns Amazon and American. You can use one or more wildcards in your query, as required. Wildcards can also be used within quotes. ■ Leave the Search field blank or enter a wildcard to return all registry objects stored in the CentraSite registry. |

CentraSite XQuery Page

The CentraSite Eclipse GUI adds the CentraSite XQuery page to the standard Search dialog of the Eclipse Workbench.

The page has the following fields and options:

| Field / Option | Description |
|----------------|---|
| Saved search | <p>Enables you to save and restore a query:</p> <ul style="list-style-type: none"> ■ To save the current query: Type a name of your choice in the Saved search field and click Save. The saved queries are user-specific and can be restored by the same user on any client. |

| | |
|----------------|---|
| | <ul style="list-style-type: none">■ To restore a query you have saved: Select the corresponding query in the Saved search field. The query is displayed on the CentraSite XQuery page. You can modify the restored query and save it under the same or a different name. |
| Execute XQuery | <p>Specify the query in XQuery format. You can specify any query that fulfills the syntactical and semantical requirements of CentraSite and returns a list of registry objects as its result. For details on XQuery in CentraSite, contact your CentraSite support organization.</p> <p>The Execute XQuery field offers basic text editing functions such as undo, cut, copy, and paste, that help you entering queries.</p> |

42 Customizing Options for the Impact Analyzer

- Types 230
- Associations 231
- Controls 231
- Configuration 232

In the **Impact Analyzer view**, you use the options in the menu bar to select the types of **associations**, **implicit references** and **registry objects** you want to include in the impact analysis and display in the view. The options allow you to determine exactly what you want to display and to size and print the graph as required.

The menu bar has the following pull-down menus:

Next to the pull-down menus, the following options are provided:

| Option | Description |
|---------|---|
| Current | <p>Displays the configuration that is currently used for the Impact Analyzer view. CentraSite provides options for saving and restoring the settings defined for the view in so-called configurations. CentraSite delivers predefined configurations, and you can define and save your own custom configurations. These are user-specific and can be restored by the same user on any client, if required.</p> <p>Use the options provided in the Configuration menu to select a predefined or a custom configuration, and to save and restore your settings.</p> |
| Zoom | Zoom factor for scaling the graph up or down. Enter a factor to scale the current graphical representation. |

Types

You can use the options in the Types menu to select the types of registry objects to be considered in the impact analysis and displayed in the Impact Analyzer view:

| Option | Description |
|--------|---|
| Assets | Allows you to consider and display all existing asset types. |
| Custom | <p>Allows you to individually choose the object types you want to consider and display in the analysis from the complete list of object types defined in the CentraSite registry.</p> <p>Selecting Custom opens a sub-menu with all existing object types.</p> <p>In the Follow column in front of the object type names, select the types of registry objects which are to be considered when retrieving an object's associations and implicit references. In the Display column behind the object type names, select the types of registry objects that are to be displayed in the Impact Analyzer view. Object types you include for following associations do not need to be displayed. On the other hand, object types you want to display must also be followed.</p> <p>Use the Select all options at the top to select or deselect all types in the corresponding columns.</p> |

Associations

You can use the options in the Associations menu to specify the types of associations to be considered in the impact analysis and displayed in the Impact Analyzer view:

| Option | Description |
|-------------------------|--|
| Relationship Attributes | Allows you to consider all associations represented by attributes of data type Relationship in the impact analysis. |
| Custom | <p>Allows you to individually choose the association types you want to consider in the analysis.</p> <p>Selecting Custom opens a sub-menu with a list of all existing association types. Select the types to be considered.</p> <p>Use the Select all option at the top to select or deselect all association types.</p> <p>By checking the Show internal association types option, you can also include association types which are reserved for CentraSite-internal use.</p> |

Controls

You can use the options in the Controls menu to specify the number of association levels to be displayed, print the results of an analysis and change your screen display:

| Option | Description |
|----------------------|--|
| Auto Expansion Level | Allows you to define the maximum number of association levels to consider/display. Click 1, 2 or 3, or enter the level number of your choice in the Custom field. |
| Print | Allows you to print the association graph. Click the  button to print the graph with the zoom factor that is currently set. Click the  button to print the graph on one page. The graph might be scaled down for this purpose. |
| Full Screen | Allows you to open the Impact Analyzer view in full screen mode. Click the  button to switch to full screen mode and use Esc to return to the initial screen size. |

Configuration

The Configuration menu enables you to save and load settings for the Impact Analyzer. CentraSite provides predefined configurations, and you can save settings in so-called custom configurations. You can restore your custom configurations on any client, as required.

The following configurations are predefined in CentraSite:

- Asset Dependencies
- Schema Usage
- Organization Details
- Service Details

| Option | Description |
|------------------------|--|
| Select a Configuration | <p>To load a configuration for the current impact analysis: Select the configuration in the list.</p> <p>To delete a configuration you no longer need: Click the  button next to a configuration. A custom configuration you delete cannot be restored any longer. If you delete a predefined configuration, it will be available again in the menu with your next login.</p> |
| Add new configuration | <p>To save the current settings in a configuration: Type a name of your choice in the field and click Save. The settings are saved under the name you specify. The saved configuration is user-specific and can be restored by the same user on any client. The list of configurations in the Configuration menu is extended.</p> |

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Search and Filter Conditions

When executing a registry search by conditions or selecting registry objects, you can add or edit search or filter conditions in a corresponding dialog. The available conditions are listed in the Type of Condition area of the dialog. They depend on the action you are executing and on the object type or types you have selected as a condition. In the Details area of the dialog, you can specify the details and parameters for the condition selected in the Type of Condition area.

The type of the registry objects to be included in the search or filter is predefined on the CentraSite Advanced Search page. To change the object type, double-click the condition. This displays the Modify Condition dialog where you can modify the condition's details. When the Show all types option is not checked, the type list includes the most important object types that are predefined in CentraSite as well as object types you have defined yourself. When the option is checked, the list includes all available object types.

The following table describes all the conditions that may be shown in the Type of Condition dialog and the details you can specify for each of them.

| Condition | Description |
|-------------------------|---|
| Name | Specify the name of the registry objects you want to include in the search or filter. When the UDDI-like pattern matching option is not checked, the name is treated as specified and case-sensitive. When the option is checked, the name is handled in a case-insensitive way, and % characters in it are interpreted as wildcards for one or more characters. For example, Sample% includes all registry objects whose names start with the string Sample. |
| Description | Specify the description of the registry objects you want to include in the search or filter. When the UDDI-like pattern matching option is not checked, the description is treated as specified and case-sensitive. When the option is checked, the description is handled in a case-insensitive way, and % characters in it are interpreted as wildcards for one or more characters. |
| Internal Classification | Specify the category that classifies the registry objects you want to include in the search or filter. Use the Browse button to select the category in the Select Category dialog . Specify whether registry objects classified by sub-categories of the given |

| | |
|--------------------------|---|
| | category are to be included in the search or filter by checking or unchecking Include sub-categories. |
| External Classification | Specify the taxonomy and value that classifies the registry objects you want to include in the search or filter. Use the Browse button to select the taxonomy in the Select Taxonomy dialog . |
| Service by Provider | Specify the organization which provides the services you want to include in the search or filter. Use the Browse button to select the organization in the Select Provider dialog . |
| Service by Interface | Specify the interface assigned to the services you want to include in the search or filter. Use the Browse button to select the interface in the Select Interface dialog . |
| Service by Operation | Specify the operation assigned to the services you want to include in the search or filter. Use the Browse button to select the operation in the Select Operation dialog . |
| Versioning | Select this condition if you want the search to include only the most recent version of versionable registry objects . Otherwise, all versions of an object are taken into account. |
| Type-Specific Property | Select the property and specify the value of the property which is set for the registry objects you want to include in the search or filter. |
| Object-Specific Property | Specify the name, namespace and value of the property which is set for the registry objects you want to include in the search or filter. |
| Owner | Specify the user who is the owner of the registry objects you want to include in the search or filter. Use the Browse button to select the user in the Select Owner dialog . |
| Created | Specify the date and time after and/or before which the registry objects you want to include in the search or filter have been created. Specify the date and time in the following format: yyyy-MM-dd HH:mm:ss. Alternatively, you can use the  button to select the date and specify the time and timezone in the Select Date and Time dialog . |
| Modified | Specify the date and time after and/or before which the registry objects you want to include in the search or filter have been modified. Specify the date and time in the following format: yyyy-MM-dd HH:mm:ss.SSS. Alternatively, you can use the  button to select the date and specify the time and timezone in the Select Date and Time dialog . |
| Key | Specify the unique key of the registry object you want to include in the search or filter. |
| Custom Condition | Specify a search or filter condition as a query in XQuery format, that fulfills the syntactical and semantical requirements of CentraSite. For details on XQuery in CentraSite, contact your CentraSite support organization. The XQuery fragment field offers basic text editing functions such as undo, cut, copy, and paste, that help you entering queries. |