



BEA AquaLogic™ Enterprise Repository

Eclipse Plug-in Guide

Table of Contents

- [Installation and Configuration](#)
- [Aqualogic Enterprise Repository Assets Viewer](#)
- [Search for Assets](#)
- [Use/Download Assets](#)
- [Submit an Asset](#)
- [Submit an Eclipse project](#)



Installation and Configuration

Prerequisites

- Users must be assigned to at least one Project. A **Project Administrator** can assign users to projects via the AquaLogic Enterprise Repository **Projects** screen.
- Obtain the Eclipse integration path from the Repository Administrator (example: `http://appserver.example.com/aler-web/eclipse`).
- If AquaLogic Enterprise Repository is or will be configured to be secured by Siteminder, the policy server must be configured to ignore (or unprotect) the following URLs:
 - `http://appserver.example.com/aler-web/eclipse/`
 - `http://appserver.example.com/aler/services/`
- The Java Cryptography Extension (JCE) is required. It is provided in JDK v1.4, and is available as an optional package in JDK 1.2.x and 1.3.x. Note that Eclipse 3.x requires JDK v 1.4.x or later.
- **Editor** and **Viewer** metadata is represented as CDATA-escaped XML. Consequently, if a large number of Types are defined in AquaLogic Enterprise Repository, some XML parsers may exceed their *entity expansion limit* when communicating with the Repository. On some popular parsers, the default entity expansion limit is set to 64,000. This limit can be increased on JAXP-compliant processors by passing a command-line parameter called `entityExpansionLimit`. The `entityExpansionLimit` can be increased by passing a VM argument on the Eclipse command-line (modify the Eclipse desktop shortcut). For example, set the *target* of the shortcut to the following:

```
C:\eclipse\eclipse.exe -debug -consolelog -vmargs -
DentityExpansionLimit=1048576
```

Installation

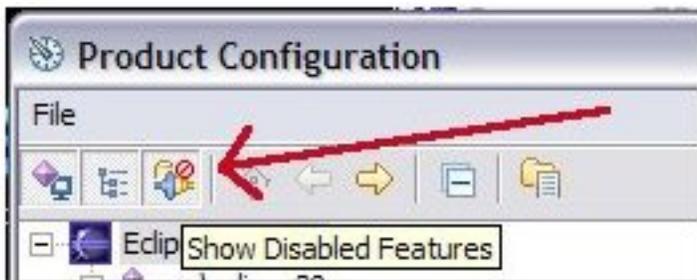
1. In Eclipse, click **Help**
2. Click **Software Updates**
3. Click **Find and Install**.
4. Click **Search** to locate new features for installation.
5. Click the **New Remote Site** button.

A dialog box appears requesting **Name** and **URL**.

6. Enter " AquaLogic Enterprise Repository" in the **Name** text box.
7. Enter the Eclipse integration path for the **URL** (example: `http://appserver.example.com/aler-web/eclipse`).

Uninstallation

1. In Eclipse, click **Help**
2. Click **Software Updates**
3. Click **Manage Configuration**
4. Select **Show disabled features**.



5. Select the **AquaLogic Enterprise Repository** feature.

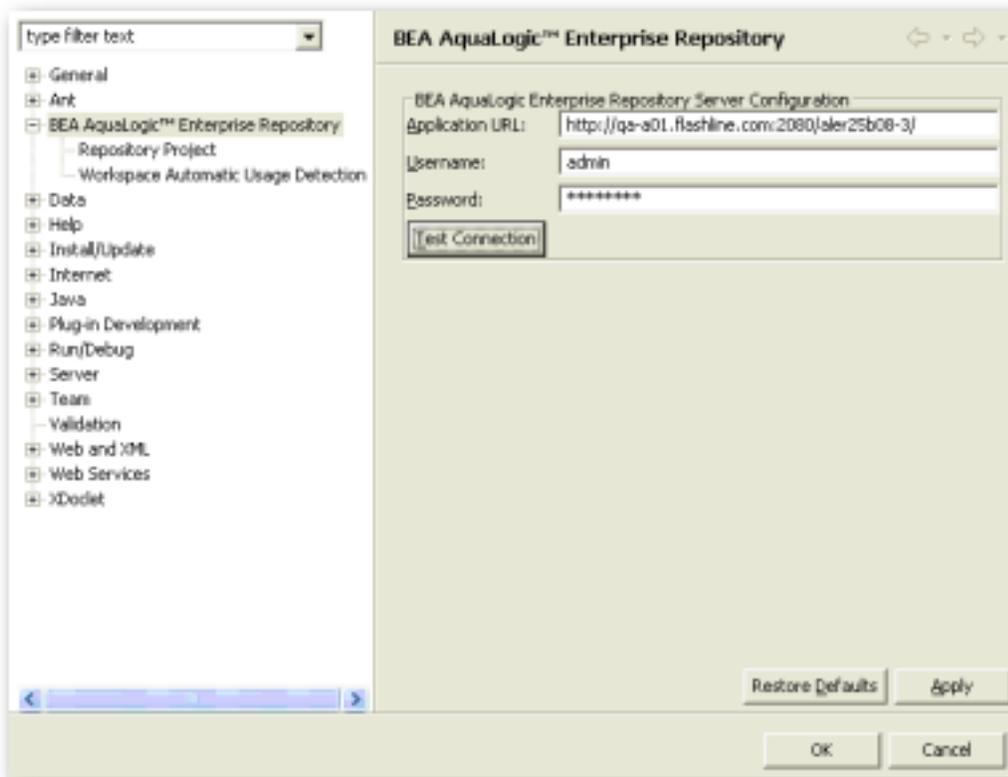
6. Click **disable feature**.

Note: Unless the feature is properly disabled prior to uninstallation, some AquaLogic Enterprise Repository files may remain in the Eclipse plugins directory. These files must be manually deleted.

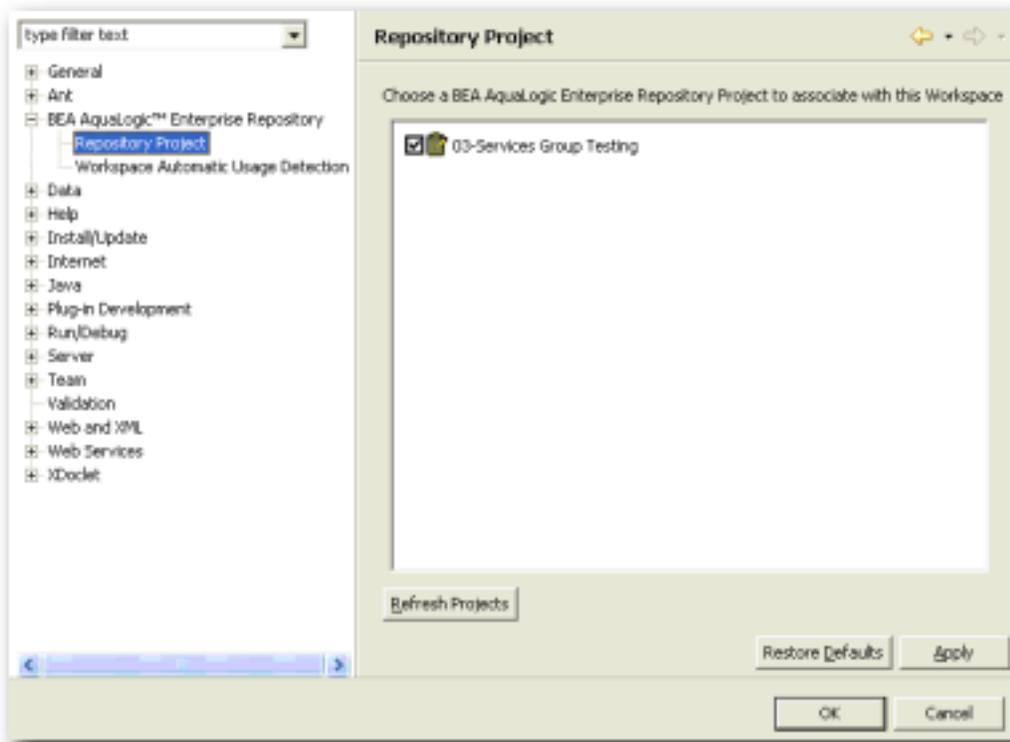
7. Follow the prompts to restart Eclipse.
8. After restart, select **Manage Configuration** in the **Help** menu.
9. Select the **AquaLogic Enterprise Repository** feature.
10. Select **Uninstall**.
11. Follow the prompts to restart Eclipse.

Configuration

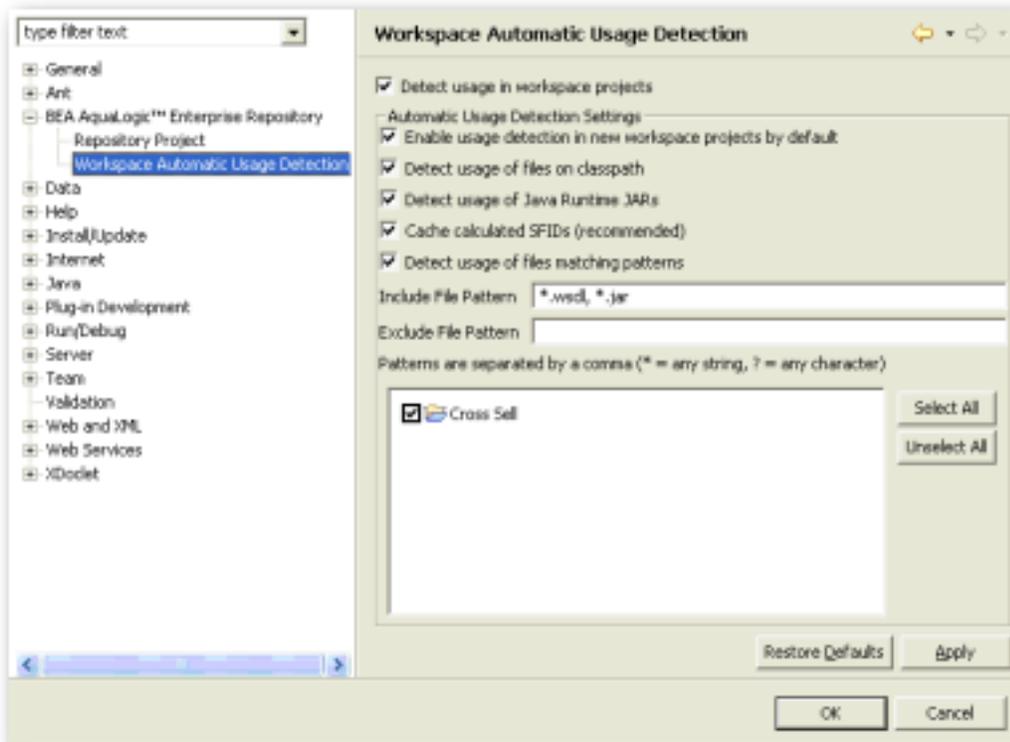
1. Click **Preferences** in the **Window** menu in Eclipse.
2. Click **AquaLogic Enterprise Repository** in the **Preferences** window.



3. Enter the server location (example: `http://appserver.example.com/aler`) and login credentials.
4. Click the **Test** button to verify the configuration.
5. Under **AquaLogic Enterprise Repository - Repository Project**, associate the Eclipse Workspace with an AquaLogic Enterprise Repository Project.



- Under **AquaLogic Enterprise Repository - Workspace Automated Usage Detection**, verify the Eclipse Projects to be monitored by ALER (see the *Software File Identification Guide* for more information).

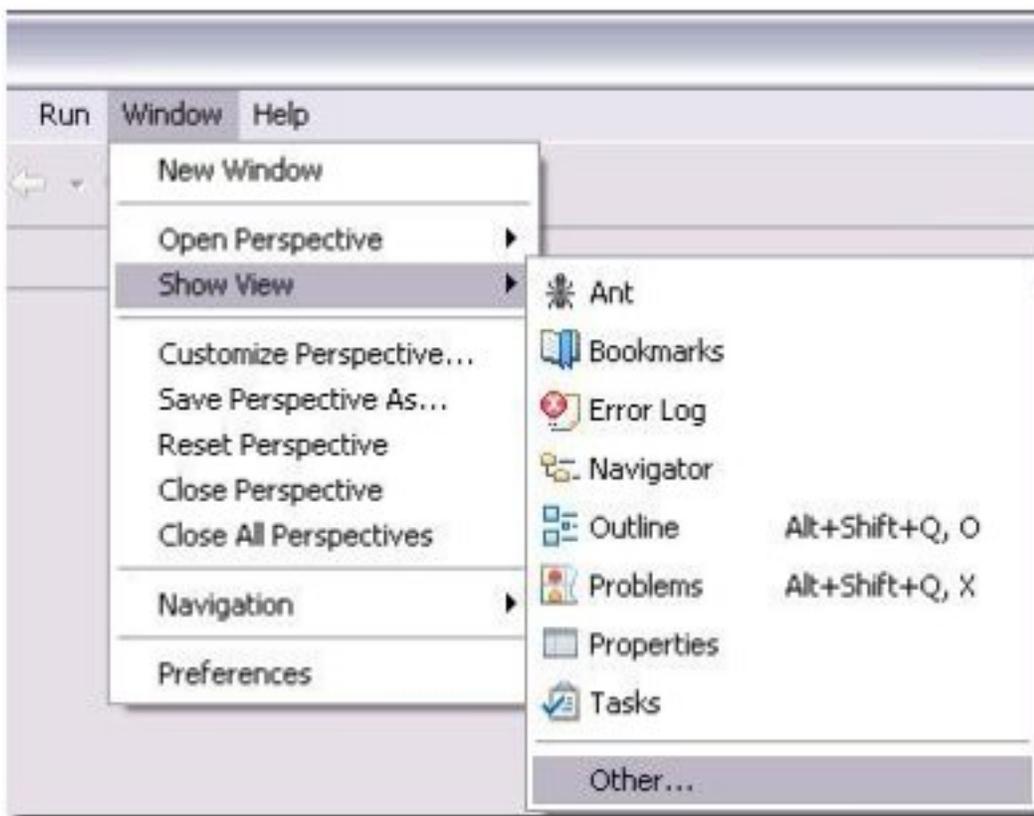


Aqualogic Enterprise Repository Assets Viewer

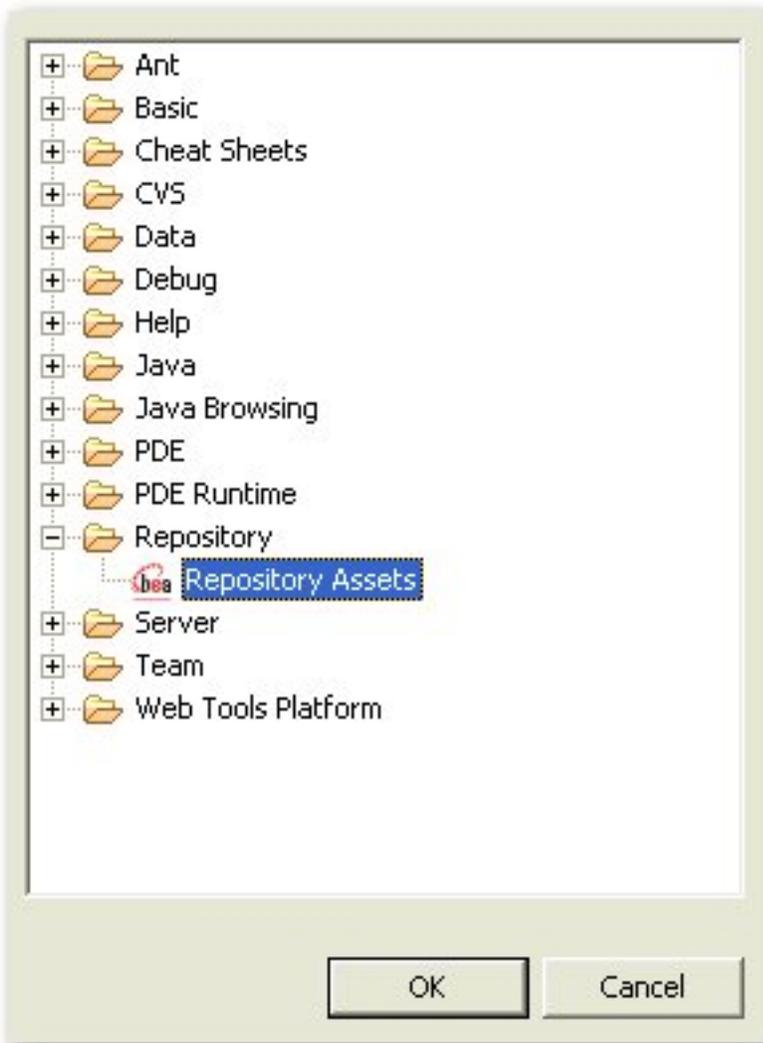
The **Aqualogic Enterprise Repository Assets Viewer** displays a list of assets that have been prescribed to your Project, as well as assets that are already in use in the project.

To display the **Aqualogic Enterprise Repository Assets Viewer**:

1. Click **Show View** in the Eclipse **Window** menu.



2. Click **Other**.
3. Open the **ALER** folder.



4. Click **Aqualogic Enterprise Repository Assets**.

Each of the columns in the **AquaLogic Enterprise Repository Assets** display identifies how the asset relates to the project in ALER.

	Status	Name
	IN PROCESS	Sample Application - ACES
	PRESCRIBED	Sample Environment - Tomcat (4.1)
	PRESCRIBED	Sample Framework - Struts (3.2)
	PRESCRIBED	Sample Process - SCRUM (2.0)
	PRESCRIBED	Sample Service - Account Detail (dynamic) (2.0)
	PRESCRIBED	Sample XML Schema - MARC (1.0)

- The icon in the first column identifies assets that are prescribed for the

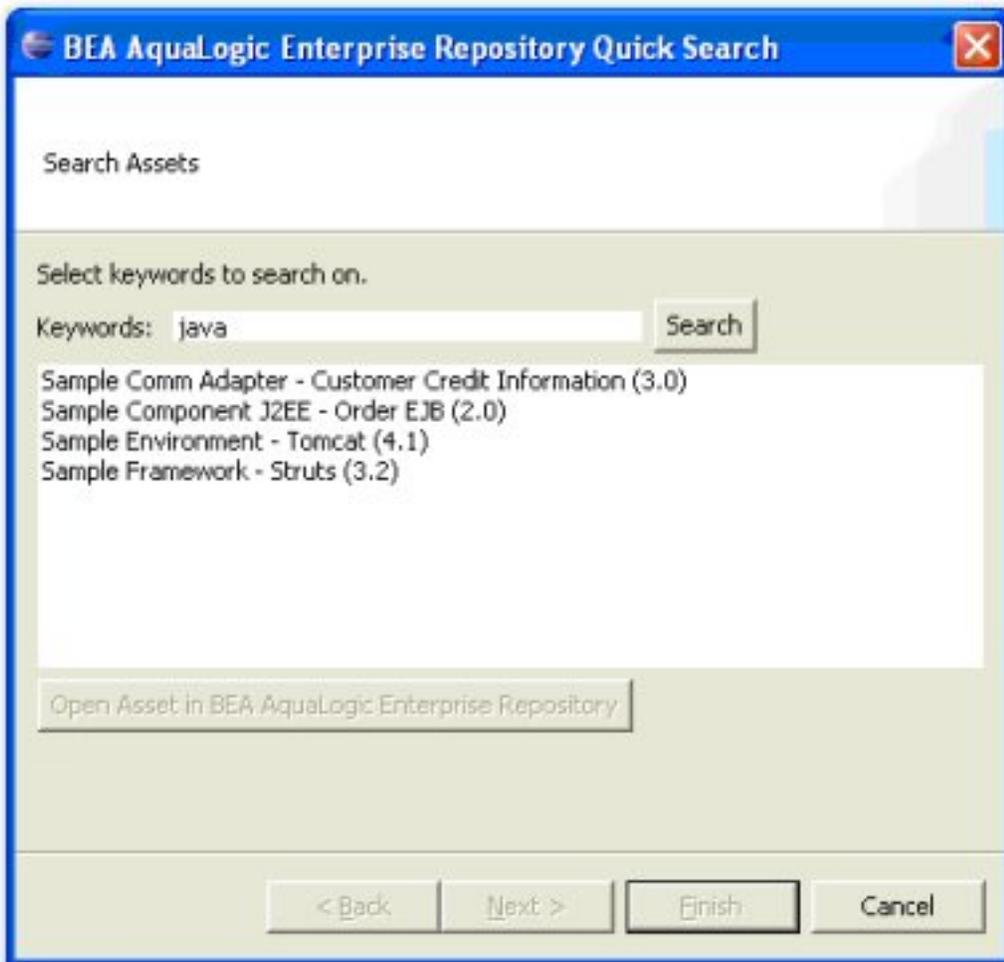
project.

- The  icon in the second column identifies assets you have used/downloaded for the project.
- The  icon in the third column identifies assets that have been used/downloaded by any member of the project.
- The **Status** column identifies the **PRESCRIBED** or **IN PROCESS** status of the asset as it relates to the project:
 - **PRESCRIBED**
 - The asset has been assigned to the project but has not yet been used in or downloaded to the project.
 - **IN PROCESS**
 - The asset has been used in/downloaded to the project.
 - **REJECTED**
 - The asset has been rejected for use in the project. (Not shown in example.)
- The **Name** column () displays the asset name and version.

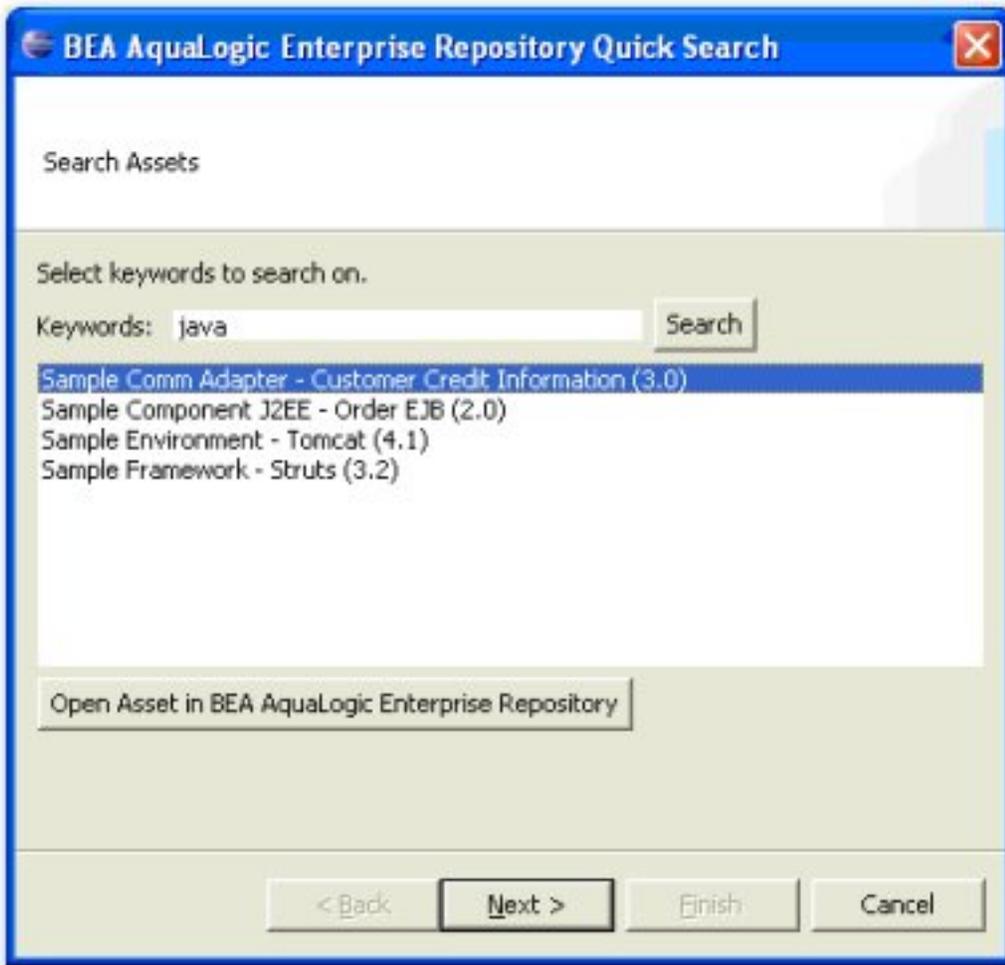
Search for Assets

Perform a simple keyword search in Eclipse to locate an asset in AquaLogic Enterprise Repository in order to view the asset's metadata.

1. Click **Search AquaLogic Enterprise Repository** in the **AquaLogic Enterprise Repository** menu in Eclipse.



2. Enter *java* as a search term, or any term that will locate at least one valid asset.
3. Select the appropriate asset from the search results.
4. Click **Open Asset in AquaLogic Enterprise Repository**.



AquaLogic Enterprise Repository opens to display information on the selected asset.



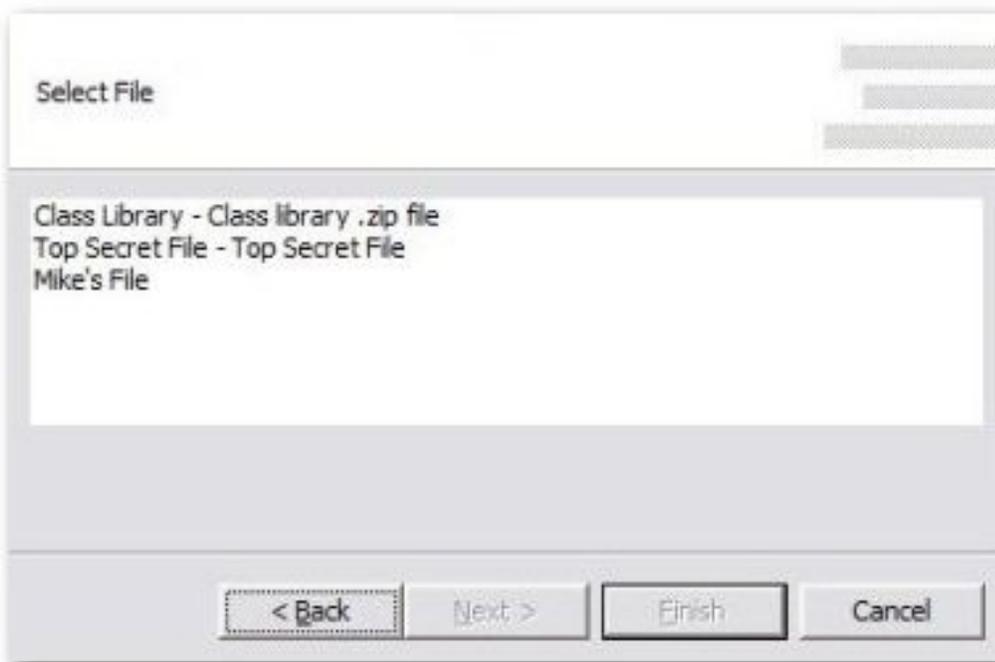
Use/Download Assets

Locate an asset and download its payload into an Eclipse project.

1. Click **Search AquaLogic Enterprise Repository** in the **AquaLogic Enterprise Repository** menu in Eclipse.

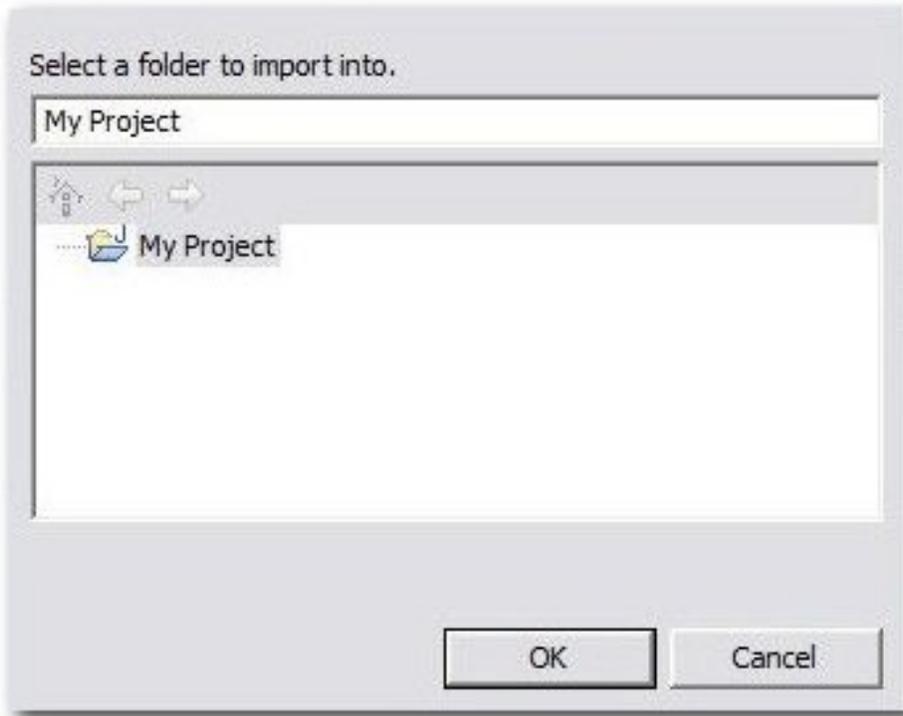
The AquaLogic Enterprise Repository **Quick Search** pop-up opens.

2. Enter an appropriate search keyword.
3. Select the appropriate asset from the search results.
4. Click **Next**.
5. When prompted, select file(s) to download. Multiple files may be selected by holding down the CTRL key while clicking on the files.



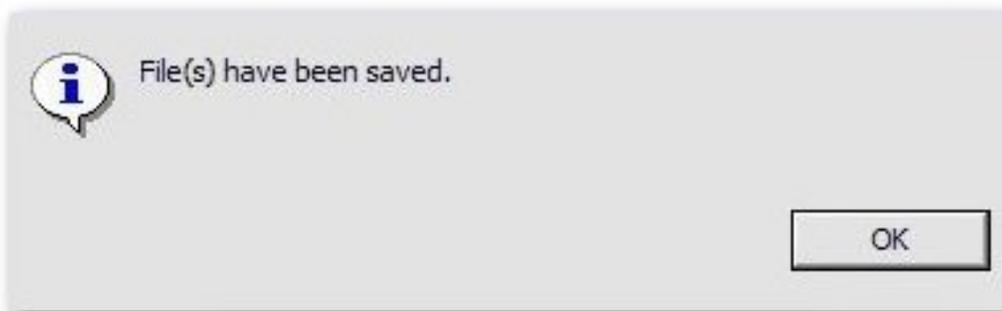
6. Click **Next**.

7. Click **Browse** when prompted to navigate to an Eclipse Project and select the destination folder for the download.



8. Click **Next**.

The **Save Complete** pop-up indicates a successful save.

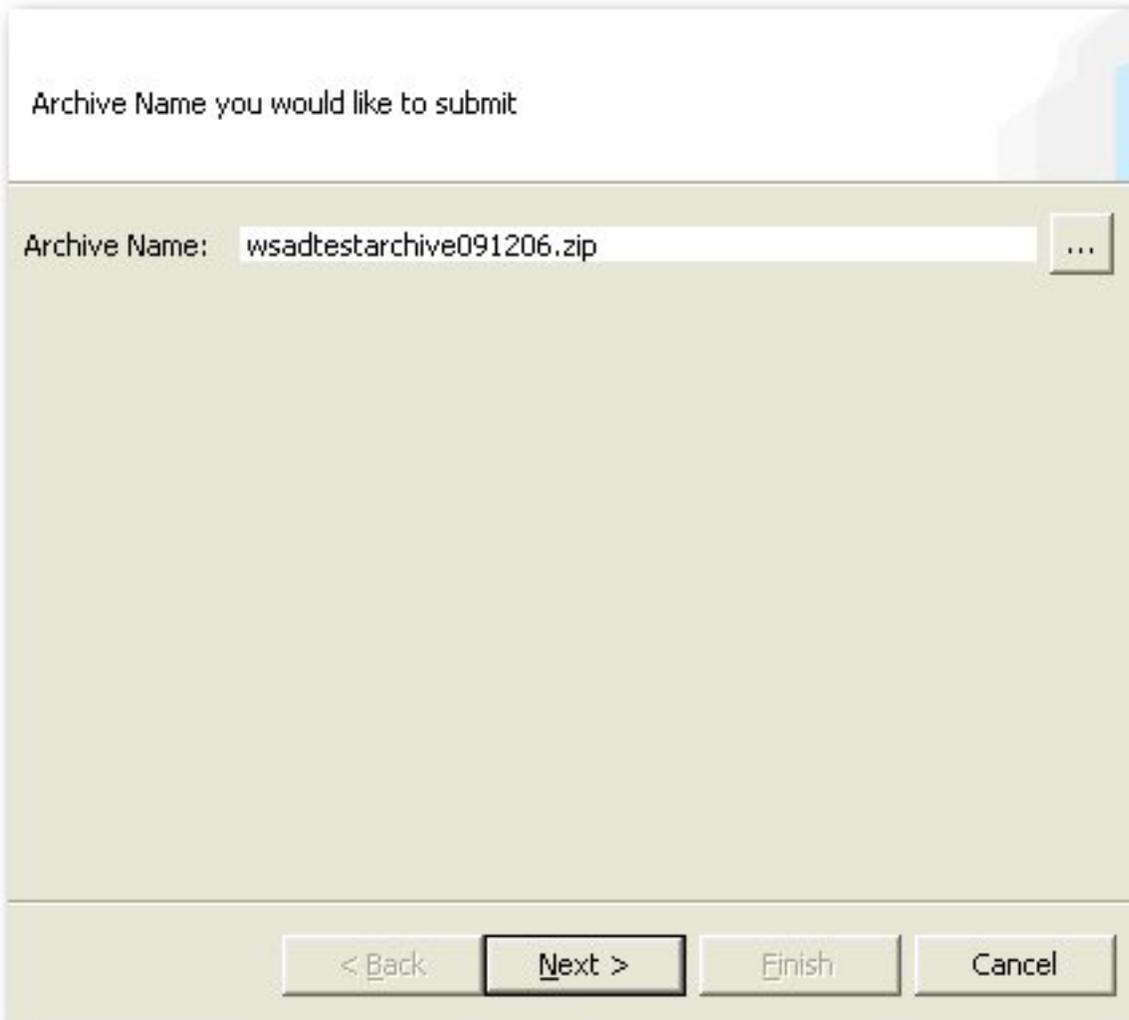


9. Open the selected destination folder to confirm the presence of the selected file.

Submit an Asset

Submitting single- and/or compound-payload assets to AquaLogic Enterprise Repository.

1. Click **Build Archive** in the **Aqualogic Enterprise Repository** menu in **Eclipse**.
2. When prompted for an archive name, browse to select an existing archive on your local file store, or create a new archive. In either case the archive must have a `.zip` extension.



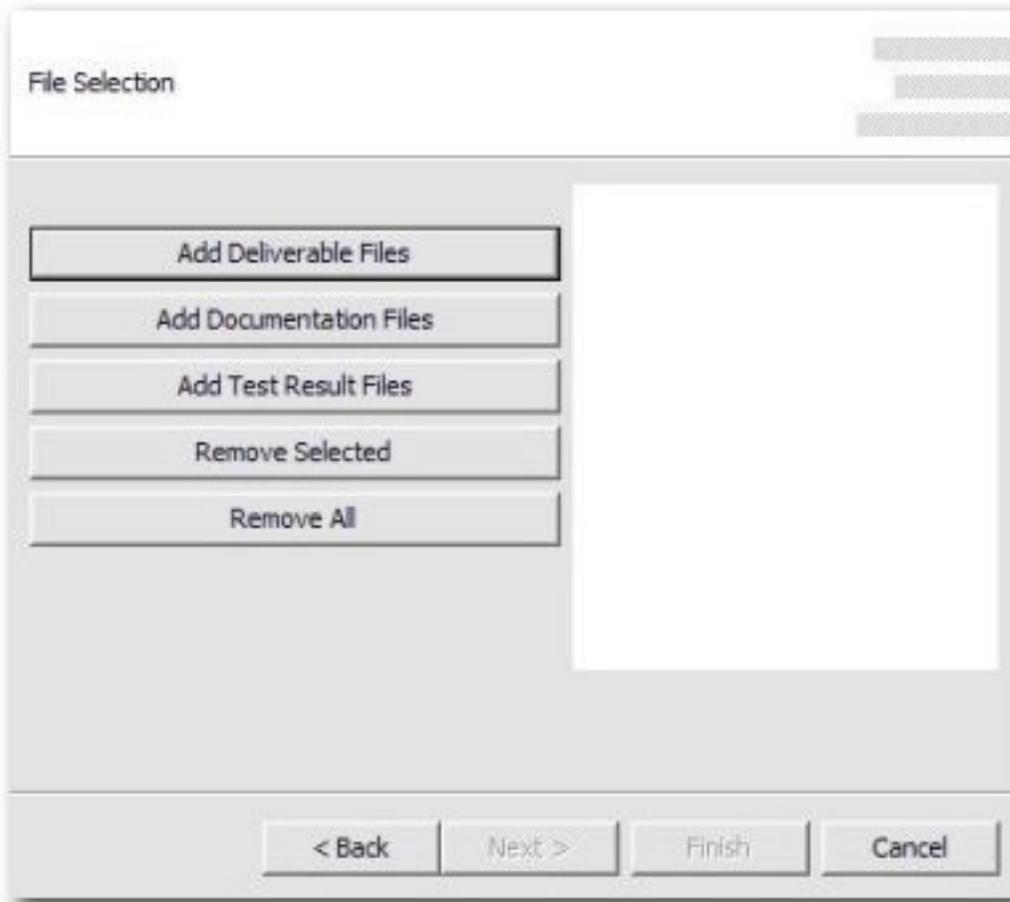
Archive Name you would like to submit

Archive Name: wsadtestarchive091206.zip

< Back Next > Finish Cancel

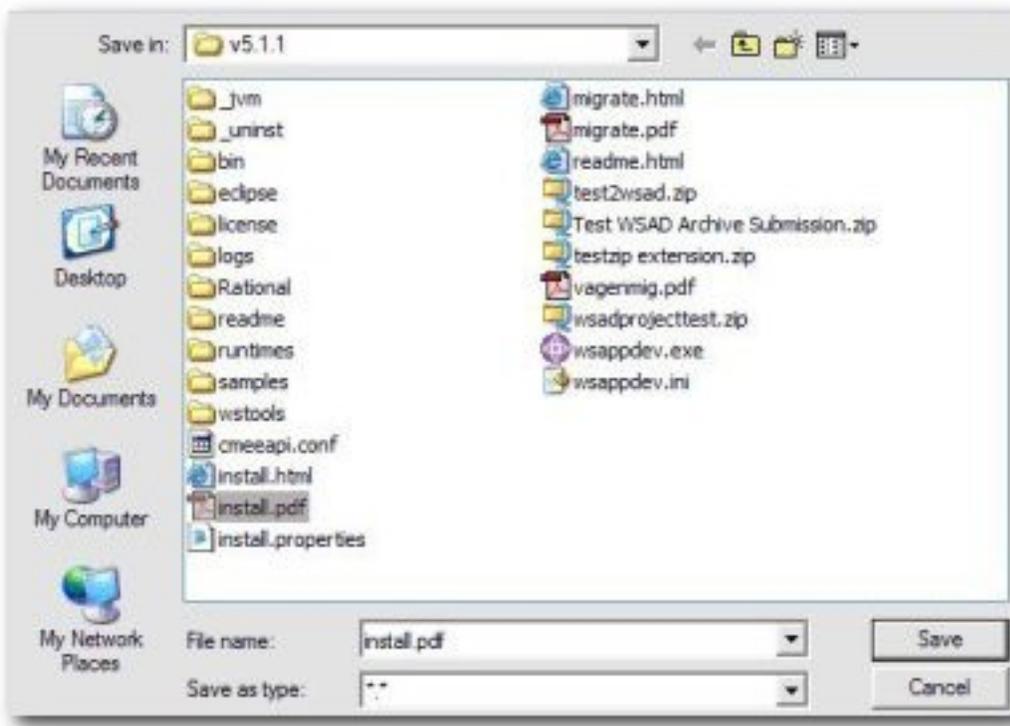
3. Click **Next**.

4. When prompted for file selection use the file category buttons to select and assign files. At least two files must be selected.



5. When all appropriate files have been selected, click **Next**.

The **Save As** pop-up opens.



1. Click **Save**.
2. When prompted to **Enter Submit Data**, fill in the appropriate information.

Enter Submit Data

Name wsadtestupload081204

Version 1.0

Asset Type Application

Description Test upload

Comments Hope both files get up there!

< Back Next > Finish Cancel

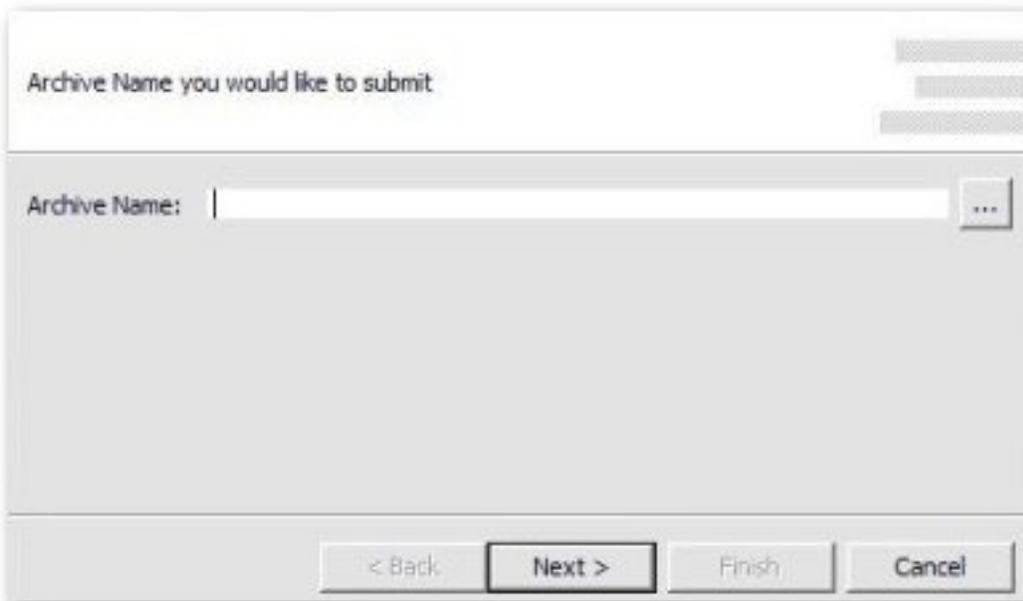
3. Click **Finish**.

The asset will upload to the installed registry, and will appear in the **Submitted - Pending Review** folder in the file tree in AquaLogic Enterprise Repository's **Asset Editor**.

Submit an Eclipse Project

Submit an entire Eclipse Project to AquaLogic Enterprise Repository.

1. Select **Eclipse Project Submission** in the **AquaLogic Enterprise Repository** menu in Eclipse.
2. When prompted for an archive name, browse to an existing archive using the  button, or create a new archive. A valid archive must have a `.zip` file extension.

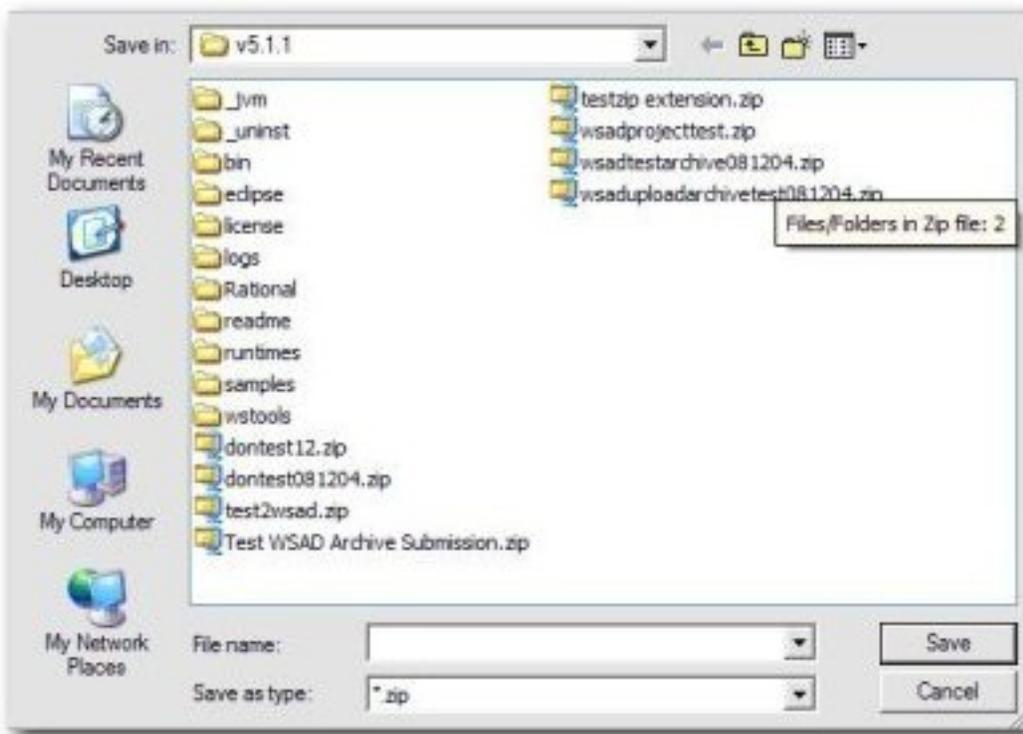


Archive Name you would like to submit

Archive Name: 

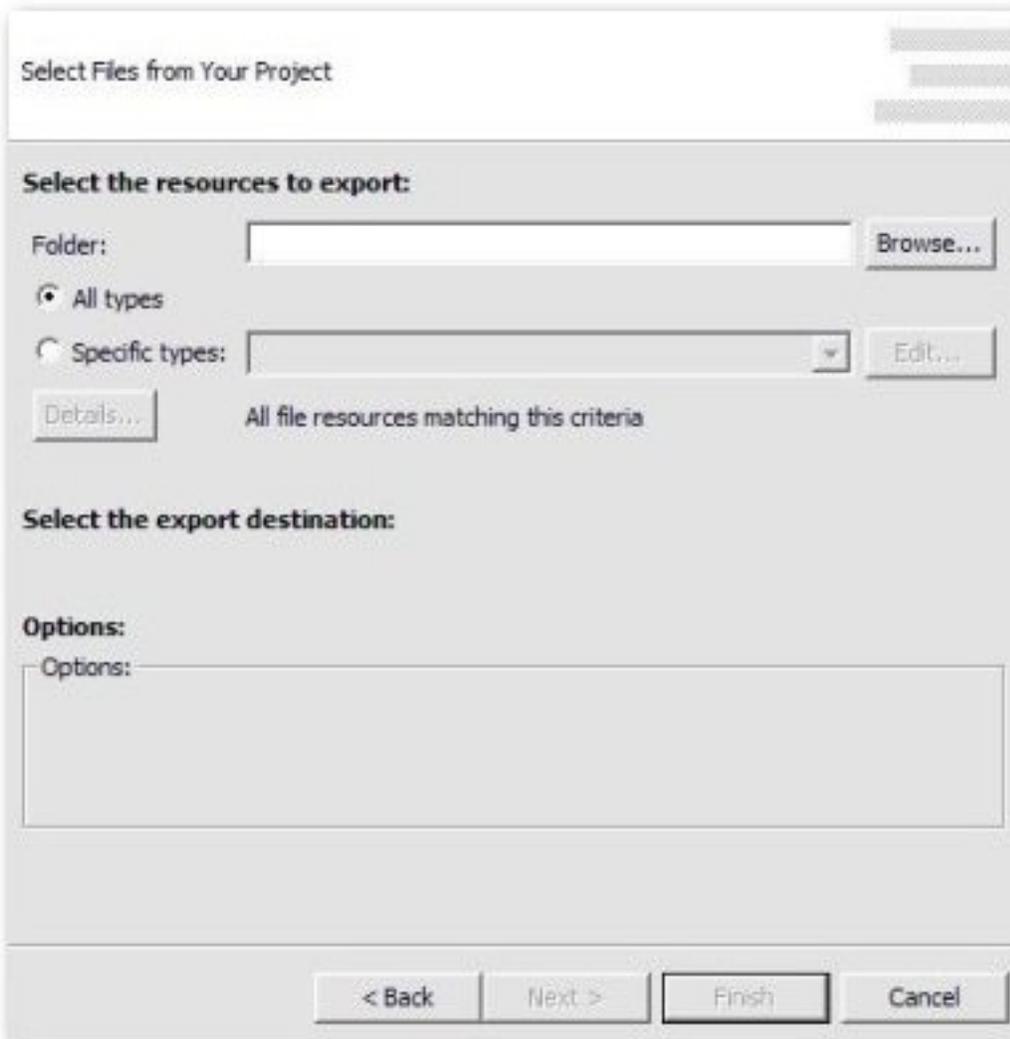
< Back Next > Finish Cancel

3. Select the existing archive file, or enter a new filename, as appropriate.

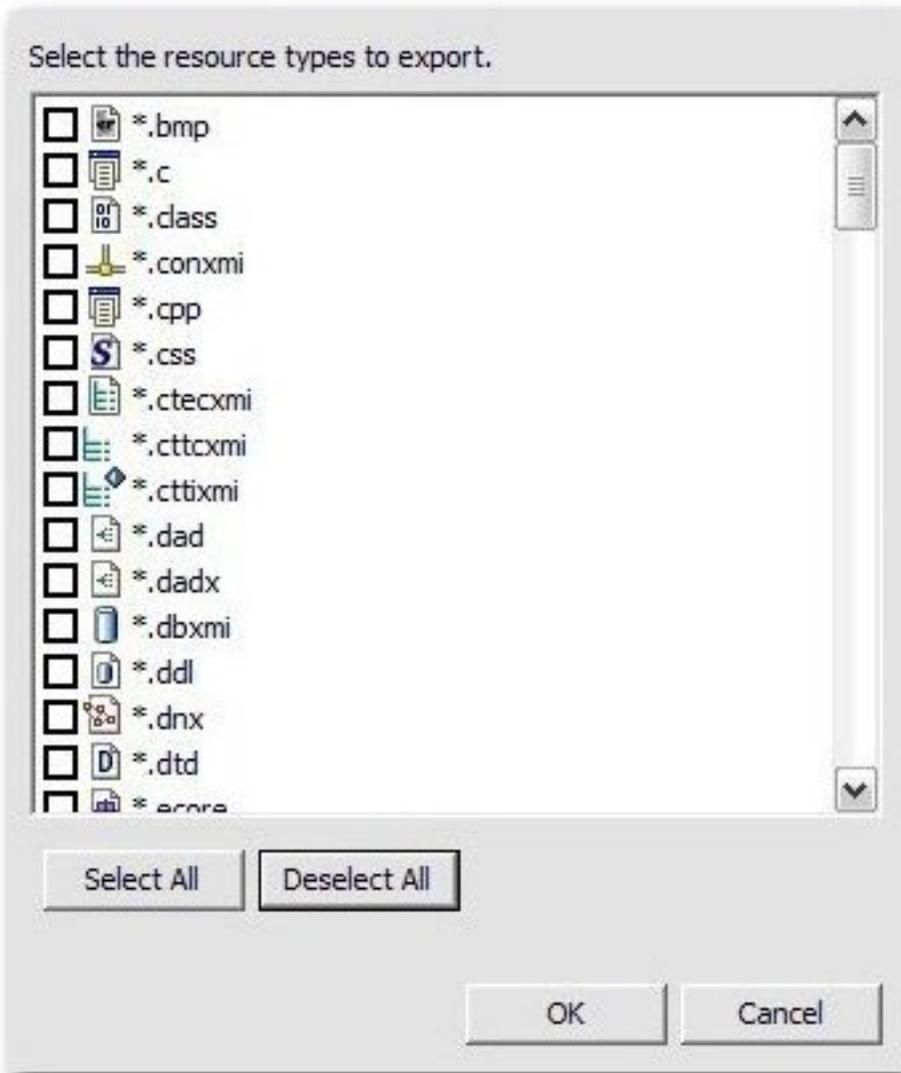


4. Click **Save**.

5. Click **Browse** to locate the project to be uploaded. If appropriate, specify the file types to be included in the project.



6. Select a project, then click **Next**. (Please note, this assumes the presence of a project within Eclipse.)
7. Select the resource types to export.



8. Click **OK**.

All artifacts selected from the project will be zipped into the previously defined archive file.

Enter Submit Data

Name Dontest0813041200

Version 1.0

Asset Type

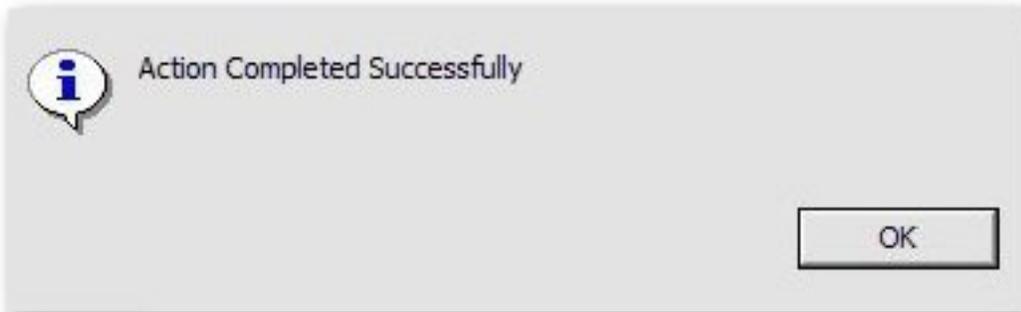
Description Test

Comments test

< Back Next > Finish Cancel

9. Click **Finish** to complete the submission process.

A confirmation pop-up appears.



The project will appear as an asset in the **Submitted** folder in the AquaLogic Enterprise Repository **Asset Editor** file tree.