

BEA AquaLogic[™] Enterprise Repository

Eclipse Plug-in Guide

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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.

type filter text	BEA AquaLogic ¹⁴ Enterprise Repository
General Ark BEA AquaLogic ^{**} Enterprise Repository Repository Project Workspace Automatic Usage Detection Data Help Instal/Update Internet Java Play-in Development Run(Debug Server Team Validation Web and XML Web Services XDodiet	BEA AquaLogic Enterprise Repository Server Configuration Application URL: http://ga-a01.flashline.com/2080/aler25b08-3/ Username: admin Ressword: ******** Test Connection *******
¢ >	Restore Defaults Apply
	OK Cancel

- 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.

type filter text	Repository Project 🔅 - 🖒 -
General Ant BEA AquaLogic ^{**} Enterprise Repository Unispace Automatic Usage Detection Data Help Install/Update Internet Java Physin Development Run/Dabug Server Tean Valdation Web and XML Web Services XDoclet	Choose a BEA AquaLogic Enterprise Repository Project to associate with this Workspace Image: O3-Services Group Testing Image: O3-Services Group Testing
< >	Befresh Projects Restore Defaults Apply
	OK Cancel

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

type filter text	Workspace Automatic Usage Detection	$\varphi \bullet \varphi \circ$
General Ant BEA AquaLogic ^{***} Enterprise Repository Repository Project Workspace Automatic Usage Detection Data Help Instal/Update Internet Java Plug-in Development Run(Debug Server Tean Valdation Web and XML Web Services XDoclet	 Detect usage in workspace projects Automatic Usage Detection Settings Enable usage detection in new workspace projects by default Detect usage of files on classpath Detect usage of Java Runtime JARs Cache calculated SFIDs (recommended) Detect usage of files matching patterns Include File Pattern *.wed, *.jar Exclude File Pattern Patterns are separated by a comma (* = any string, ? = any character) 	Select All Unselect All
<>	Restore Defaults	Apply
	СК	Cancel



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.

🕀 🗁 Ant
🗄 🗁 Basic
🗄 🗁 Cheat Sheets
E CVS
🕀 🕞 Data
E Debug
E lava Browsing
+ 🧀 Web Tools Platform
OK Cancel

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.

posito	ory Project: 03-Servic	es Group Testing (mkaiser)
	Status	Name
0	IN PROCESS	A Sample Application - ACES
B	PRESCRIBED	🙈 Sample Environment - Tomcat (4.1)
R.	PRESCRIBED	🙈 Sample Framework - Struts (3.2)
5	PRESCRIBED	A Sample Process - SCRUM (2.0)
B)	PRESCRIBED	🙈 Sample Service - Account Detail (dynamic) (2.0)
B	PRESCRIBED	🗸 Sample XML Schema - MARC (1.0)

 $_{\odot}$ The $^{\textcircled{B}}$ icon in the first column identifies assets that are prescribed for the

project.

- The I icon in the second column identifies assets you have used/downloaded for the project.
- The I 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 (A) 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.

🚝 BEA AquaLogic Enterprise Repository Quid	ck Search 🛛 🔀
Search Assets	
Select keywords to search on.	rout l
Keywords: java	Search
Sample Environment - Tomcat (4.1) Sample Framework - Struts (3.2)	
Open Asset in BEA AquaLogic Enterprise Repository	
<back next=""></back>	Einish Cancel

- 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.

🚝 BEA AquaLogi	c Enterprise	Repository Q	uick Search	
Search Assets				
Select keywords to s Keywords: java	earch on.		Search	
Sample Comm Adap Sample Component Sample Environment Sample Framework	ter - Customer (J2EE - Order EJ : - Tomcat (4.1) · Struts (3.2)	Credit Information 18 (2.0)	n (3.0)	
Open Asset in BEA	AquaLogic Ente	rprise Repository]	
	< <u>B</u> ack	Next >	Enish	Cancel

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.

Select File	
Class Library - Class library .zip file Top Secret File - Top Secret File Mike's File	
 Next >	Einish Cancel

6. Click Next.

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

ny Project		
御、合 C)		

8. Click Next.

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

File(s) have been saved.	
4	
	OK

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 y	/ou would like to submit	
Archive Name:	wsadtestarchive091206.zip	
	< Back Next > Einish Cance	

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.

Save in:	😂 v5.1.1		<u> </u>	- 🖸 🗗 🖬	
My Recent Documents Desktop My Documents My Computer		f	migrate.html migrate.pdf readme.html test2wsad.zip Test WSAD An testzip extens wsadprojectte wsappdev.exe wsappdev.ini	dhive Submission. ion.zip st.zip	zφ
My Network	File name:	install.pdf			Save
Places	Save as time-			-	Cancel

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

Name	wsadtestupload081204	
Version	1.0	_
Asset Type	Application	•
Description	Test upload	
Comments	Hope both files get up there!	

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 y	ou would lik	e to submit			
Archive Name:	1				
		< Back	Next >	Finish	Cancel

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

Save in	v5.1.1		<u>•</u>	+ 🗈		
	mvt_		testzip ext	ension.zip		
9	_uninst		wsadprojec	ttest.zip		
My Recent	bin		wsadtestar	chive0812	04.zp	
Documents	edipse		wsaduploa	darchivete	\$1081204.2	in
12	license		are		Files/Fold	ers in Zip file: 2
6	logs					
Desktop	Rational					
1996	readme					
	runtimes					
A Desumente	samples					
ny bootaneres	wstools					
1574	dontest 12.z	lp.				
	dontest0812	204.zip				
My Computer	test2wsad.z	φ.				
and a state of the	Test WSAD /	Archive Submission.zi	p			
		-			-	
My Network	File name:				*	Save
		10.000 million				

- 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.

Select Files from Yo	ur Project			
Select the resou	rces to export:			
Folder:				Browse
 All types 				
C Specific types:			Ψ	Edit
Details	All file resources mat	ching this criteria		
Options:				
Options: Options:		1		

- 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.

□ 🗟 *.bmp □ 🗊 *.c		^
□ 🕅 *.dass		
🔄 🚣 *.conxmi		
🔲 🗐 *.срр		
S *.css		
🔄 📄 *.ctecxmi		
*.cttcxmi		
.cttixmi		
€ *.dad		
dadx		
🔲 🚺 *.dbxmi		
i *.ddl		
🚵 *.dnx		
D *.dtd		
Select All Deselect	All	

8. Click **OK**.

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

Enter Submi	Data	
Name Version	Dontest0813041200 1.0	
Asset Type	DRP Database	•
Description	Test	
Comments	test	
	< Back Next >	Finish Cancel

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

A confirmation pop-up appears.

٩	Action Completed Successfully	
		ок

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