SOA Gateway - Configuration Versioning with Eclipse and CVS

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Introduction

If Eclipse is used as the management interface to SOA Gateway then versioning of the ASG configuration files can be achieved easily with CVS. Eclipse provides CVS interfaces, so much of the following will be familiar to many users of Eclipse already.

Using CVS can also bring advantages including security, auditing control, redeployment facilitation and metadata management.

Requirements

In order to take advantage of this option, you must have available :

- a server running CVS and to which you have access
- a CVS 'module' where you can add the ASG related files you wish to maintain

Example Setup

- CVS Server Details
- CVS Module Selection
- Selecting a Location in Eclipse
- Adding Files to CVS
- Making CVS aware of file changes

Select File->Import from the Eclipse Menus and then choose "Checkout Projects from CVS".

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CVS Server Details

Enter the details required for your CVS server.

Checkout from CVS
Enter Repository Location Information
Define the location and protocol required to connect with an existing CVS repository.
Location
Host: cvsserver 🔹
Repository path: /home/cvs/repository137
Authentication
User: cvsuser
Password: ************************************
Connection
Connection type: pserver
• Use default port
O Use por <u>t</u> :
Save password
A Saved passwords are stored on your computer in a file that is difficult, but not impossible, for an intruder to read.
< Back Next > Einish Cancel

CVS Module Selection

Enter the name of the CVS module where you are to keep your ASG files, or select the module from a list.

🖨 Checkout from CVS 🎐			
Select Module			CVS
Select the module to be checke	d out from CVS		=0=
• Use <u>specified</u> module name:	AsgServer102		
O Use an existing module (this	will allow you to brov	wse the modules in t	he repository)
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Selecting a Location in Eclipse

Select where you wish to check out the CVS module to. You may place it in various locations. If you use an existing Eclipse project, the module will appear as a folder within it. This example creates a new Simple Project.

🖨 Check Out As 🎐	
Check Out As	CVS
Select the method of check out	-0-
Choose how to check out folder 'AsgServer102'	
Check out as a project <u>configured</u> using the New Project Wizard	
\bigcirc Check out as a project in the workspace	
Project Name: AsgServer102	
O Check out into an existing project	
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Select a wizard	
Create a new project resource	
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Check Out As	
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Project	12
Create a new project resource.	
Project name: asgTest	
Project contents	
🗷 Use <u>d</u> efault	
Directory: /home/dm/eclipse/workspace/asgTest	Towse
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The New Project is now shown in the Eclipse Package Explorer Window, the icon denoting it as a CVS item, and the server name shown at the end.

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asgTest						¢,

When you import items from ASG, you can now save them in this Project.

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Adding Files to CVS

Note that your imported files will need to be explicitly added to the CVS repository. Also note that you will have to select the file type when adding it to CVS. This would normally be ASCII TEXT and not the default of Binary.



Making CVS aware of file changes

Every time you make a change to your ASG related files, you should commit those changes to the CVS repository.

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A useful comment should be added during the commit describing the change(s) made. Ticket Id's and other related information can be added here also.

🗧 Commit Files 🎐	
Commit	
Enter a comment for the commit operation.	CVS
Changes made to the Adabas SOA Gateway configuration. Added informatio the "Employees" file on the test DB.	n for
<choose a="" comment="" entered="" previously=""></choose>	•
Changes	E E 🙆
asgServer102_80.xmc (ASCII -kkv)	
<u>Einish</u> C	ancel

That should cover the basics required to use Eclipse in conjunction with CVS so that changes to your ASG configuration files are more controlled. Further information on the use of CVS with Eclipse, and how acquire and set-up a CVS server, can be found at the external sites listed below.

More Information

More information related to CVS can be found at http://www.nongnu.org/cvs/

More information related to CVS use with Eclipse can be found in the Eclipse documentation at http://www.eclipse.org/