Using Eclipse to access a CVS repository

Author: Xavier Vilajosana March 2005

1. How do I use eclipse to access a CVS repository?

To access a CVS repository you must have a repository location. To create a new repository location follow these steps:

1. Open the CVS Repositories view (Window->Show View->Other...->CVS->CVS Repositories).

lun	Window Help			
× •	New Window			
	Open Perspective	•		
	Show View	🕨 🎇 Ant		
	Hide Editors Lock the Toolbars	Console		
	Customize Perspective Save Perspective As Reset Perspective	Sector Science Sector Log		
	Close Perspective Close All Perspectives	@ Javadoc 🔁 Navigator		
	Keyboard Shortcuts	🕨 🗄 Outline		
	Switch to Editor Ctrl+Shift+W	Package Explorer		
	Preferences	Noblems		
		Other		



2. Right click in the CVS Repositories view and select New->CVS Repository Location...

New	🕨 🎆 Repository Location
Ҟ Refresh Branches	
Copy to Clipboard	
🏟 Refresh View	
Discard location	
Properties	

3. Fill in the form detailing your CVS server's information.

Add CVS Reposito	ry	×
add a new CVS Repo Add a new CVS Repos	sitory itory to the CVS Repositories view	cvs
Location Host: ei Repository path: /L	nflacolla.uoc.es aColla	•
Authentication User: xavier Password: ******	****	
Connection Connection type: p C Use Default Port	server	
• Use Por <u>t</u> : 8000		
Validate Connectio	n on Finish	
	Einish	Cancel

4. Click "Finish".

2. Check out an existing project:

If there is an existing project in the CVS server, you will want to import it to your eclipse workspace.

- 1. Right click in the CVS HEAD project.
- 2. Click Check Out.



3. The project will appear in the projectsd workspace.

4. You could execute different commands on that project by a right click.

New 🕨			
Open in New Window			
of Cut			
Copy			
Paste			
🗱 Delete			
Refactor +			
🚵 Import			
🛃 Export			
🔊 Refresh			
Close Project			
Team 🕨	Synchronize with Repository		
Compare With 🕨 🕨	Commit		
Replace With	Update Create Patch		
Restore from Local History			
Properties	Apply Patch		
	Tag as Version		
	Branch		
	Merge		
	Change ASCII/Binary Property		
	Show Editors		
	Restore from Repository		
	Share Project		
	Disconnect		

3. Share your local projects.

Once you have a repository location, you will want to share your projects by releasing them to the repository.

To share a project with a repository select Project->right click->Team->Share Project...

New 🕨	
Open in New Window Open Type Hierarchy	_
of Cut	
Copy	
Paste	
🗱 Delete	
Source 🕨	
Refactor 🕨	
🚵 Import	
🛃 Export	
🚱 Refresh	olla.uoc.es:8000/LaColla
Close Project	
Team 🕨	Apply Patch
Compare With	Share Project
Replace With	ones
Restore from Local History	
Properties	1

You will be prompted to select the repository with which you would like to share your project.

🗲 Share Project					×	1
Share Project with CV Select an existing repo	/5 Repositor sitory location	y or create a	new loca	ation.	cvs	- HEHENDERS -
This wizard will help you Your project will automa Synchronize view will op	to share your atically be impo en to allow yo	files with t inted into th ou to commit	he CVS n ie CVS re t your re:	epository f pository, a sources.	or the first time. and the	
Create a new repos	itory location					
pserver:xavier@e		es:8000,La				
	< Back	Next >		Finish	Cancel	1

Once you have selected the repository click Finish.

3. Commit the local project:

The Synchronize view will appear. When releasing new projects, you can simply right click on the project and select Commit.

You will be prompted to enter a description.

Once you have entered a description of your release, your code will be released to the CVS server.

After you have shared your projects with a repository you can use the "Synchronize with Repository..." function to release code and to catch up with changes that others have made to the code in the repository.

See Project->right click->Team->Synchronize with Repository...

TIP: If commits to the repository fail, check your workspace/.metadata/.log file. If the following error is there, you should set the permissions on your CVS server directory to +x for everyone (this is a workaround).

4 org.eclipse.vcm.core.cvs 1 The CVS repository reported problems.

4 org.eclipse.vcm.core.cvs 4 cvs server: failed to create lock directory

```
for `/home/cvs/CVSROOT/Emptydir' (/home/cvs/CVSROOT/Emptydir/#cvs.lock):
Permission denied
4 org.eclipse.vcm.core.cvs 4 cvs server: lock failed - giving up
4 org.eclipse.vcm.core.cvs 4 cvs [server aborted]: lock failed - giving up
1===========================
```

4. References

http://www.eclipse.org/eclipse/faq/eclipse-faq.html#users_7