



# Troubleshooting Eclipse, CVS, and Web Content Publisher Integration Issues

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## Basic troubleshooting workflow

### Make sure eclipse daemon is running

If the daemon is not running. Execute the following file: `\eclipse\plugins\com.ibm.wcm.eclipse\daemon.bat`

### Verify plugin(s) configuration

#### Turn off Eclipse authenticator

1. Open `\eclipse\plugins\org.eclipse.vcm.ui.cvs\plugin.xml`
2. Comment out or remove the **UI Authenticator** section
3. Open `\eclipse\plugins\org.eclipse.vcm.ui.cvs_1.0.1\plugin.xml`, if it exists
4. Comment out or remove the **UI Authenticator** section

#### Configure the Web Content Publisher authenticator plugin

1. Open `\eclipse\plugins\com.ibm.wcm.cvs.authenticator\plugin.properties`
2. Set the following properties (substituting the proper values)  
`plugin.cvshost.host1 = <serverName>:<repositoryPath>`  
`plugin.cvshost.host1.user.<username> = <password>`

### Test the CVS connection via the command line

1. Open a command prompt window
2. Type: `set CVSROOT=:pserver:<username>@<servername>:<repositoryPath>`  
example: `:pserver:cvsuser@cvsserver.mycompany.com:c:\cvsstore`
3. Type: `cvs login`
4. Enter password for user
5. If no error message is returned the command succeeded
6. If an error message is returned, check the CVSROOT variable and try these steps again

### Test the CVS connection from inside the Eclipse workbench

1. Open the Eclipse Workbench
2. Open the Team Perspective
3. Create a new CVS repository location
4. Enter all of the information in the dialog (example below), ensure that the **Validate location on finish** checkbox is checked.
5. Click **Finish**.

**New**

**CVS Repository Location**

Remember the location of an existing CVS repository.

Connection type: pserver

User name: cvsuser

Host name: cvsserver.mycompany.com

Repository path: c:\cvsstore

CVS location: :pserver:cvsuser@cvsserver.mycompany.com:c:\cvsstore

Validate location on finish

Finish Cancel

6.If the repository was added then Eclipse was configured successfully.

## CVS location reference

Most configuration problems are related to invalid location values in the various properties files. There are 2 places that Web Content Publisher needs the location in order for versioning to work properly:

- \WebSphere\AppServer\wcm\WCM.properties
- \eclipse\plugins\com.ibm.wcm.cvs.authenticator\plugin.properties

In both of these files, the repository location path must have \\ in place of \.

The general syntax for the location is the following (refer to CVS documentation for details):

[:pserver:<username>@<servername>:<repositoryPath>](#)

## Connecting from Linux/Unix to Windows filesystem

### *CVS server running on Windows machine*

Hostname = cvsserver  
Repository location = d:\cvsstore\samplendir  
Username = jsmith  
Password = password

### *Client connecting from Unix/Linux filesystem*

Plugin.properties example  
plugin.cvshost.host1 = cvsserver://d//cvsstore/samplendir  
plugin.cvshost.host1.user.jsmith = password

WCM.properties example

wcm.eclipse.repository.location = :pserver:jsmith@cvsserver://d//cvsstore/samplendir

## Connecting from Windows Linux/Unix filesystem

### *CVS server running on Linux/Unix machine*

Hostname = cvsserver  
Repository location = /cvsstore/samplendir  
Username = jsmith  
Password = password

### *Client connecting from Windows filesystem*

Plugin.properties example  
plugin.cvshost.host1 = cvsserver://cvsstore/samplendir  
plugin.cvshost.host1.user.jsmith = password

WCM.properties example

wcm.eclipse.repository.location = :pserver:jsmith@cvsserver://cvsstore/samplendir

## Common problems and solutions

Before attempting any of these, ensure that the PATH variable is set to the WebSphere JVM. To check this variable, do the following:

- 1.Open a command prompt
- 2.Type: java -version
- 3.You should see something similar to the following:  
Classic VM (build 1.3.0, J2RE 1.3.0 IBM build cn130-20010925was
- 4.If this line is not returned, type: set PATH=c:\WebSphere\AppServer\java\bin;%PATH%
- 5.Type: java -version
- 6.You should now see the proper version
- 7.Add the command: set PATH=c:\WebSphere\AppServer\java\bin;%PATH% to the first line in the daemon.bat file in \eclipse\plugins\com.ibm.wcm.eclipse

**Problem:** Any action involving versioning appears to “hang” and run indefinitely.

### **Solution:**

Open the \eclipse\plugins\com.ibm.wcm.cvs.authenticator\plugin.properties file and make sure that the username and password for the CVS repository that you are trying to access is correct. Try connecting via the command line to CVS to verify. Ensure that there are no extra spaces on the last line of the file.

**Problem:** I get the following error when I start the daemon:

Error in Eclipse Daemon: Connection refused to host: localhost;

**Solution:** RMIRegistry is not running. Do the following:

1. Edit the \eclipse\plugins\com.ibm.wcm.eclipse\daemon.bat file
2. Ensure that the *start rmiregistry* command is not commented out
3. Ensure that no other instances of *rmiregistry* are running on the default port (1099), if they are, they must be shutdown and moved to a different port.

**Problem:** I get the following error when starting the daemon:

Exception in thread "main" java.lang.NoClassDefFoundError:  
com/ibm/wcm/eclipse/EclipseDaemon

**Solution:** Verify that the WCM\_JAR property is set properly in daemon.bat

**Problem:** I get the following error when starting the daemon:

Error in Eclipse Daemon: access denied

**Solution:** Verify that the ECLIPSE\_DIR property is set properly in daemon.bat

**Problem:** When attempting to version a project, a **Build Error** is returned

**Solution:** Do the following:

1. Open the Eclipse Workbench
2. Go to Window menu > Preferences
3. Uncheck the box labeled: **Perform build automatically on resource modification**

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