

Group Project SVN set up

Log into the linux server by typing “ssh {netid}@linux.unm.edu” at the terminal. If you are using putty, you will only have to type linux.unm.edu. You will be prompted for a username.

```
jcbbjttt@jcbbjttt:~$ ssh jcollard@linux.unm.edu
```

After authentication type the following:

```
[jcollard@polaris public]$ mkdir svn
[jcollard@polaris public]$ svnadmin create svn
[jcollard@polaris public]$ chmod +X svn/ -R
[jcollard@polaris public]$ chmod 777 svn/ -R
[jcollard@polaris public]$
```

This creates the subversion directory and makes it executable and accessible to your group members, the TAs and professor Hayes.

Now change directory into the svn directory and print the working directory by typing the following:

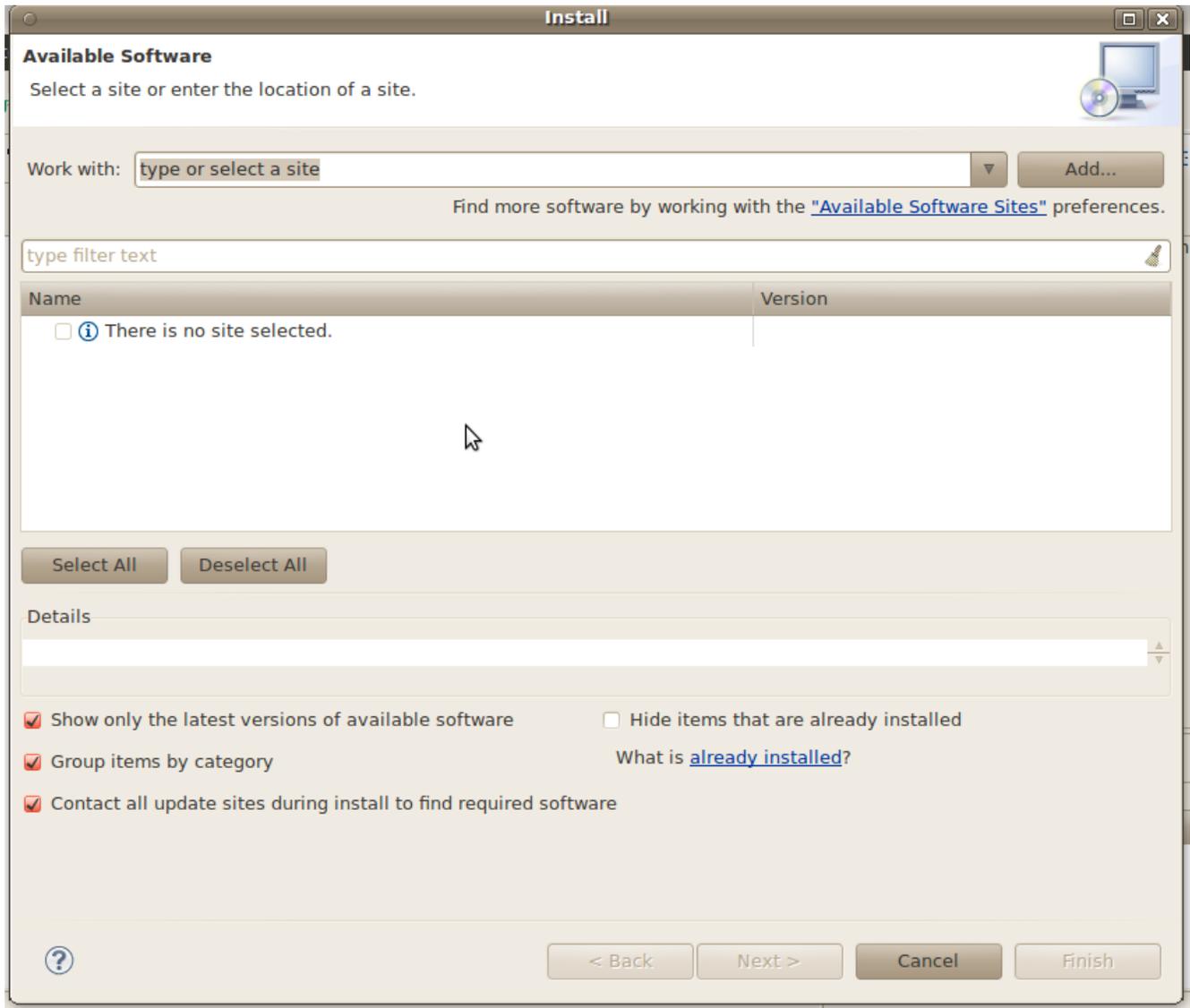
```
jcollard@vulcan ~]$ cd svn
jcollard@vulcan svn]$ pwd
/nfs/user/j/jcollard/svn
jcollard@vulcan svn]$
```

Take note of the directory. It should look something like this: /nfs/user/#####/svn

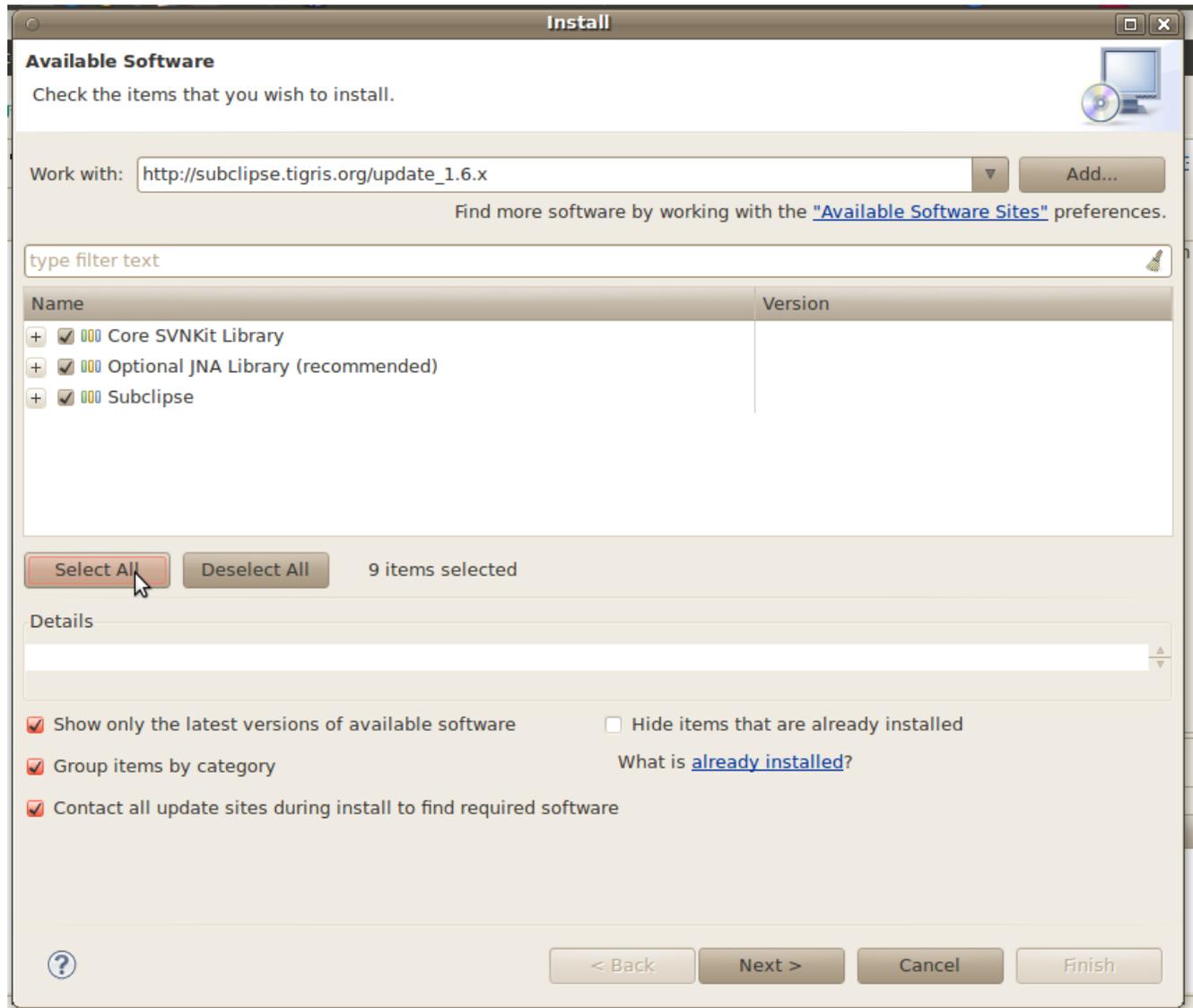
Group Project Eclipse Setup

You must now install subclipse into eclipse. Open your workspace and select the following from the top menu bar:

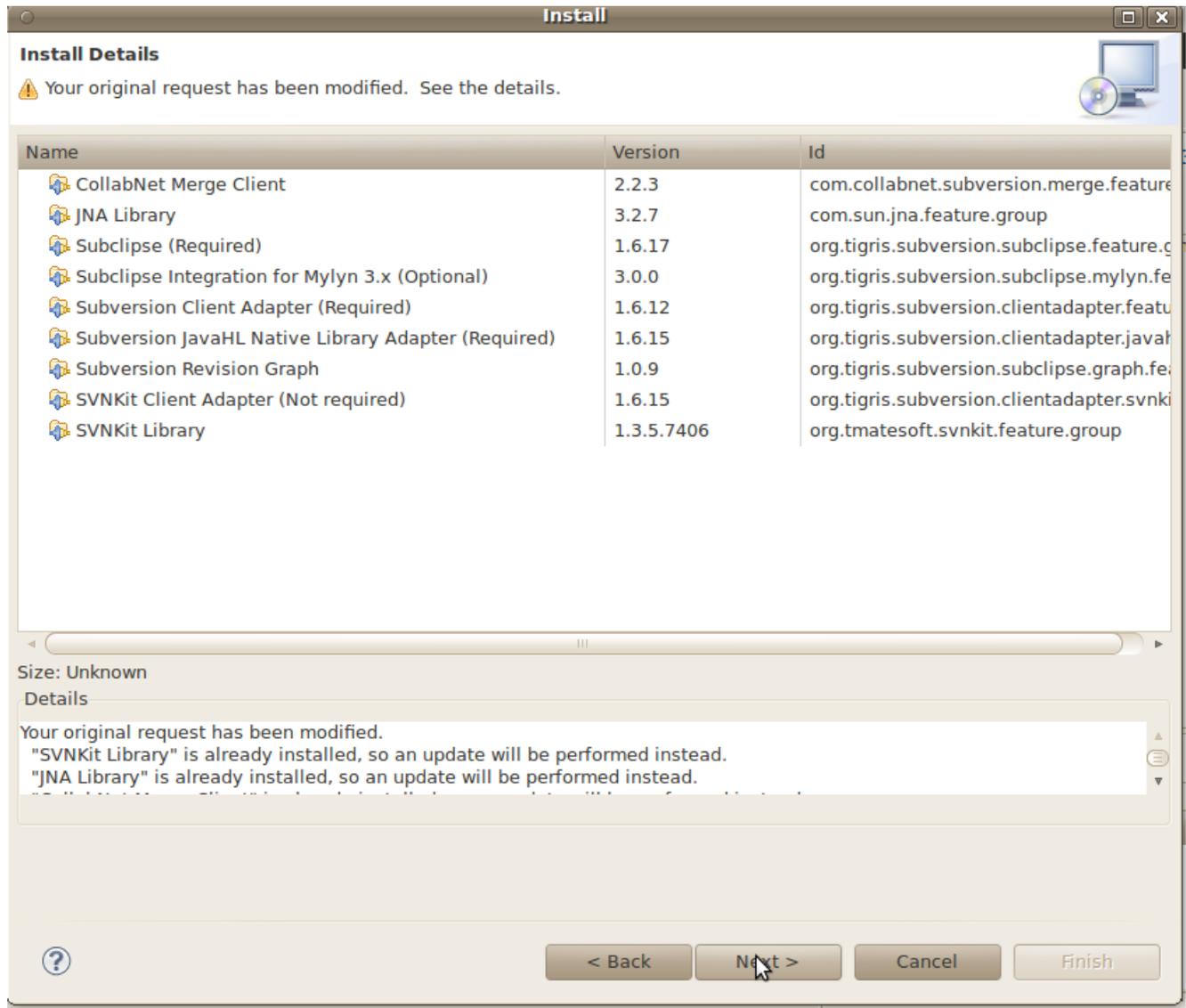
Help → Install New Software



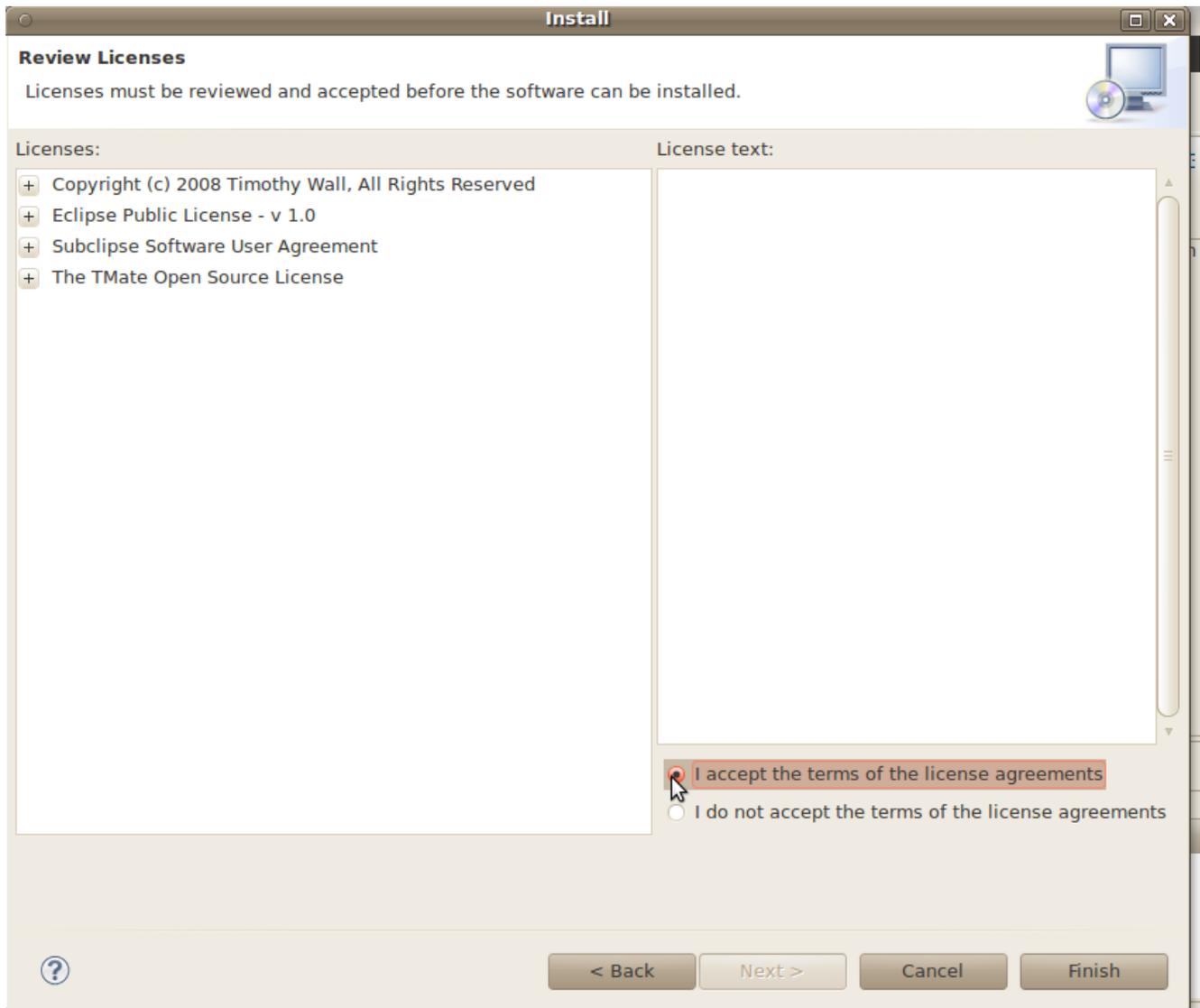
Enter "http://subclipse.tigris.org/update_1.6.x" in the Work with: text area.
Click the Select All button to install all features for Subclipse.
Finally click Next.



After a few moments you will see the Install Details. Click Next.

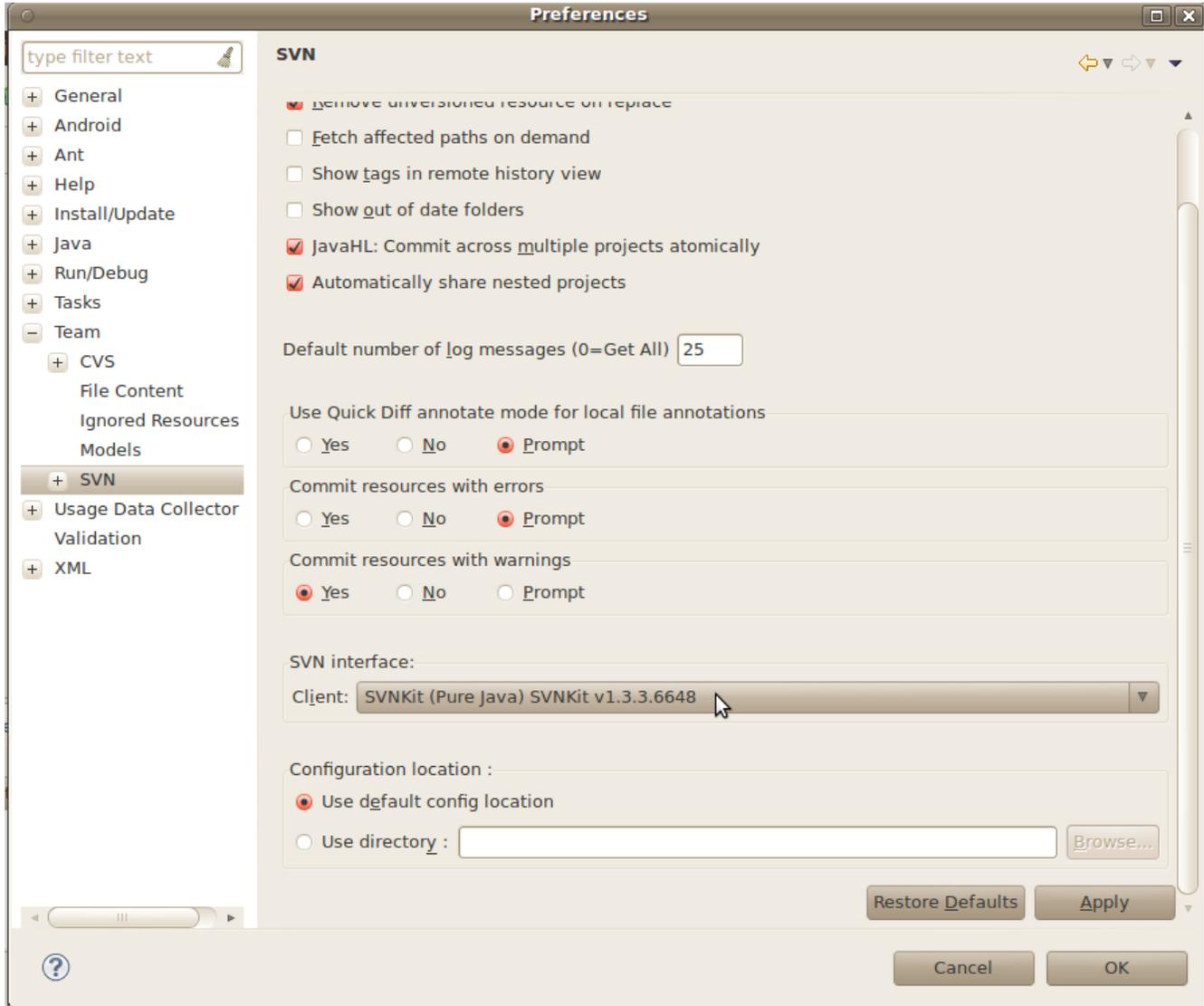


Review the Licenses for the software and click I accept. Click Finish.



After a few minutes Subclipse will be installed. You may be asked to restart Eclipse. If it does, click Yes.

Once Eclipse has restarted select from the top menu bar Window → Preferences. Then navigate to Team → SVN. Under the SVN Interface section. Switch the Client to SVNKit. (This option is not necessary in Mac as SVN is built in). Click Apply. Click Ok.

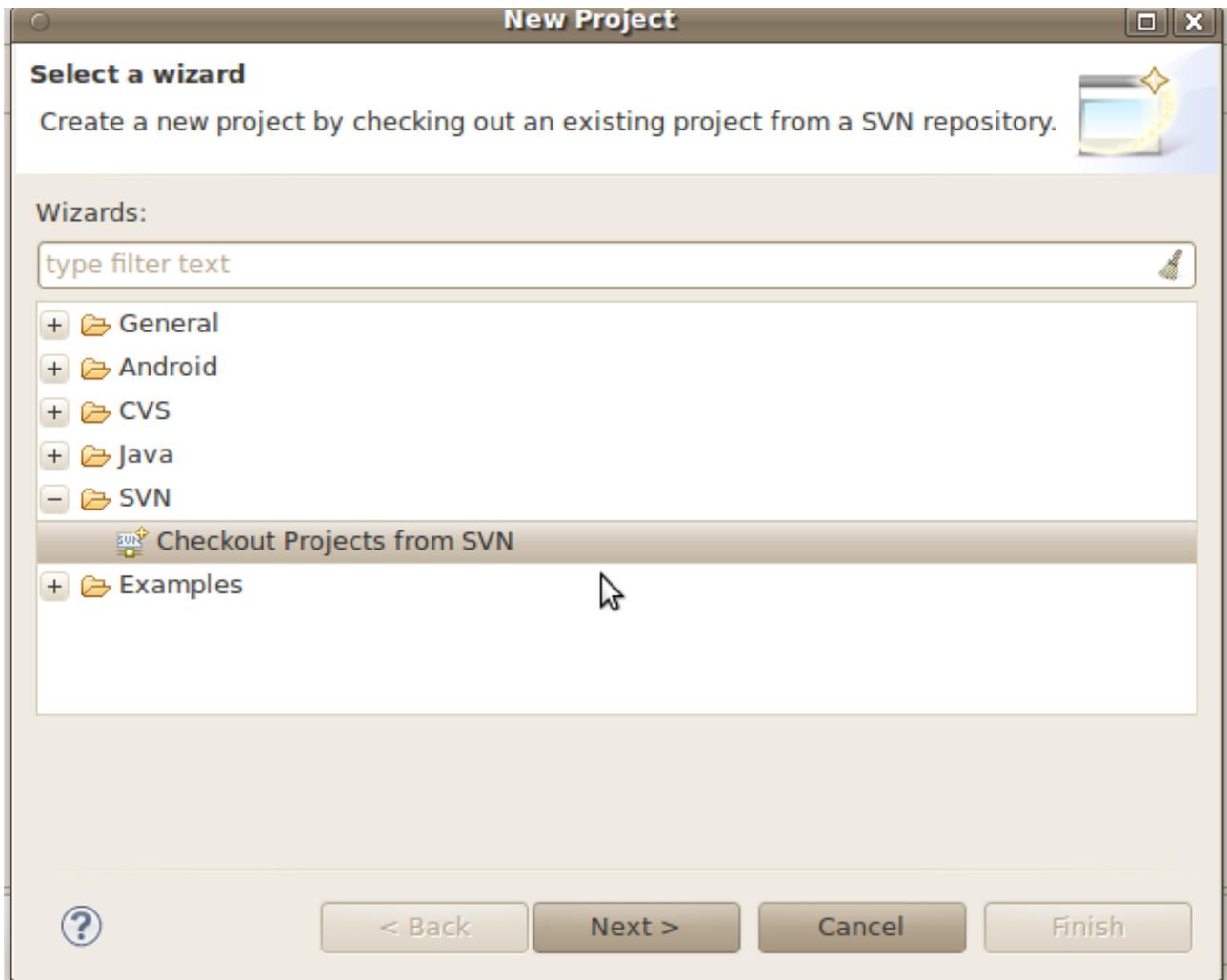


Creating an SVN Project

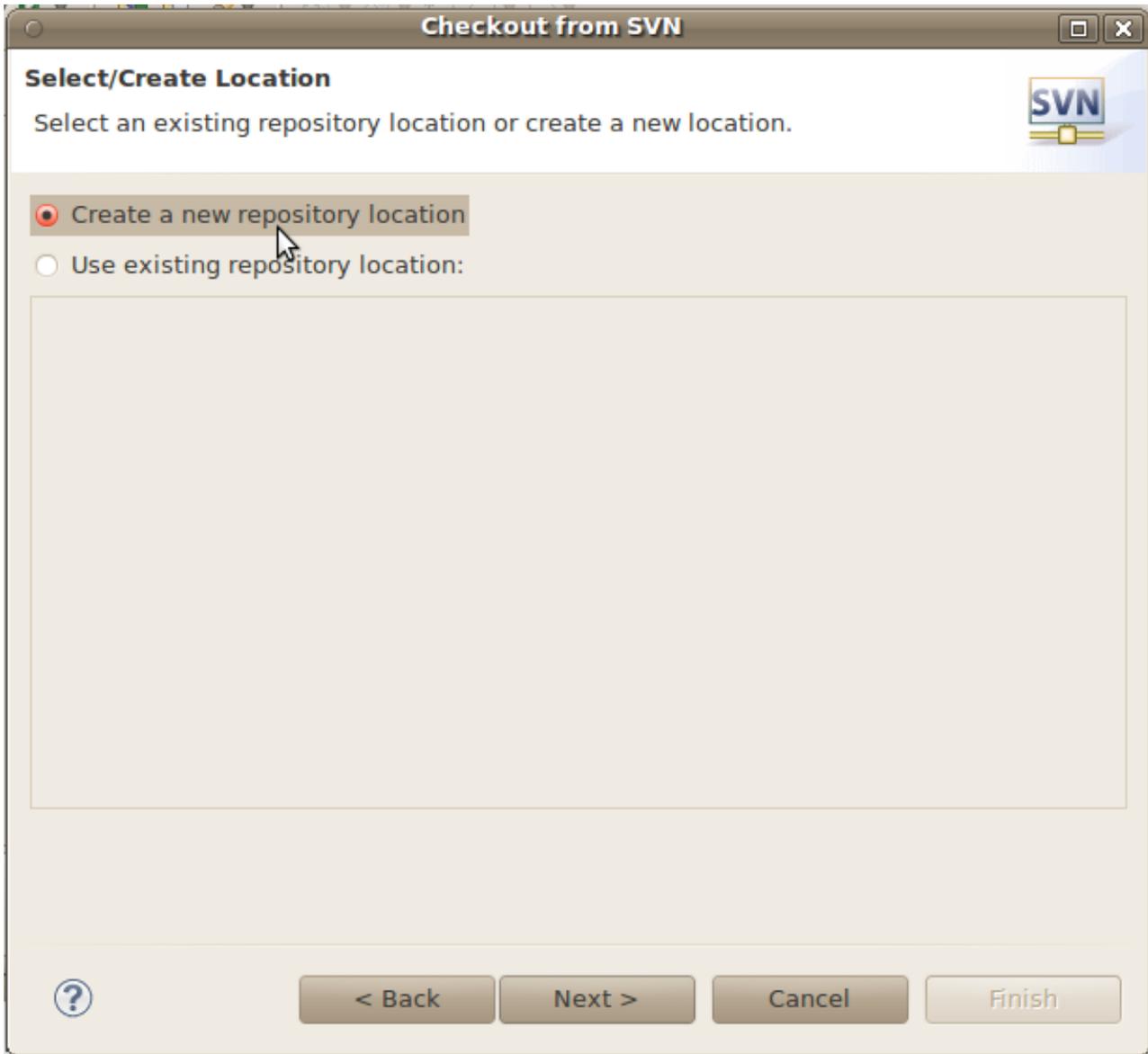
From the top menu bar select File → New → Other

In the New Project wizard select SVN and then Checkout Projects from SVN.

Click Next.

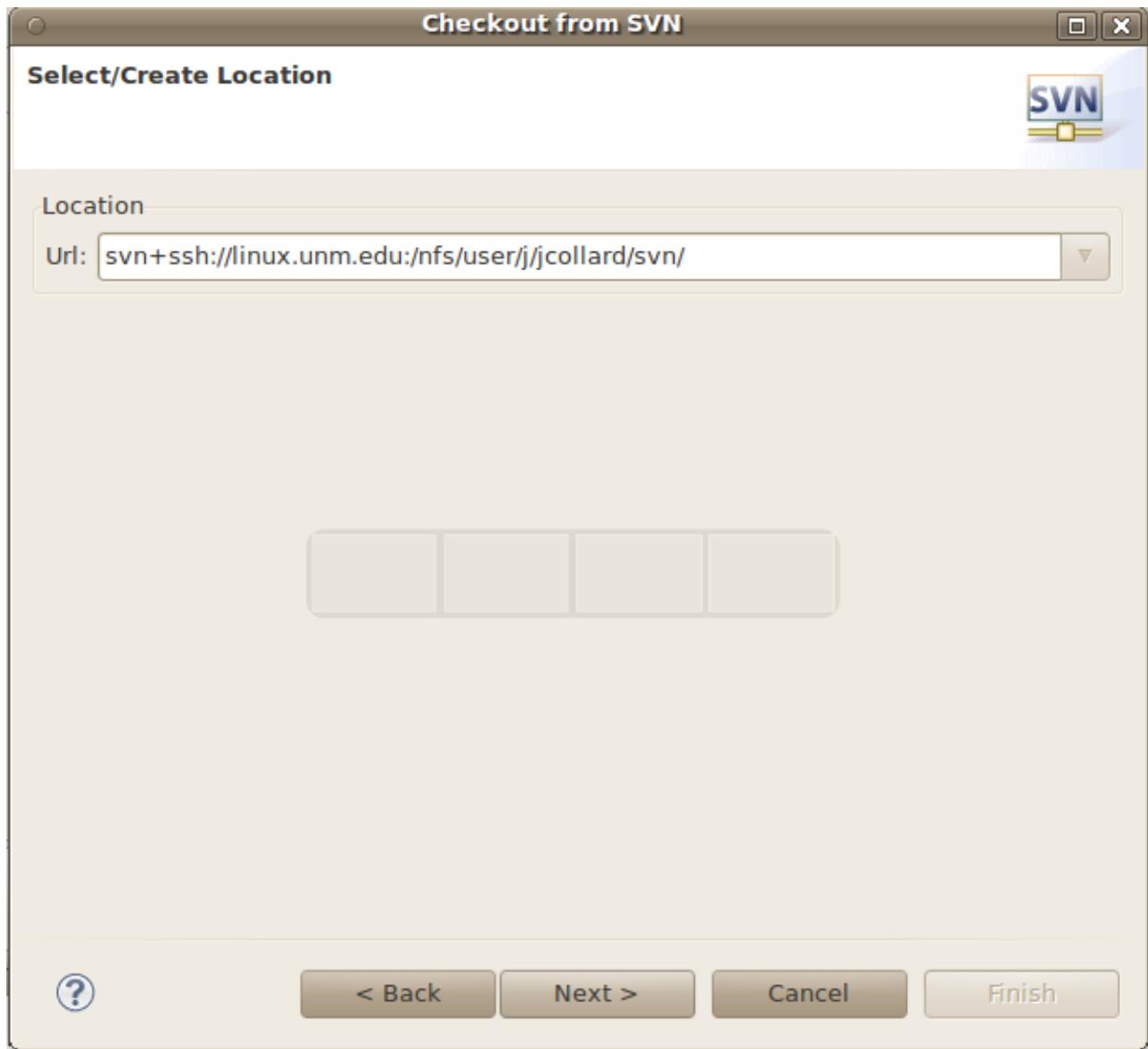


You will need to create a new repository location. Select this option and then click Next.

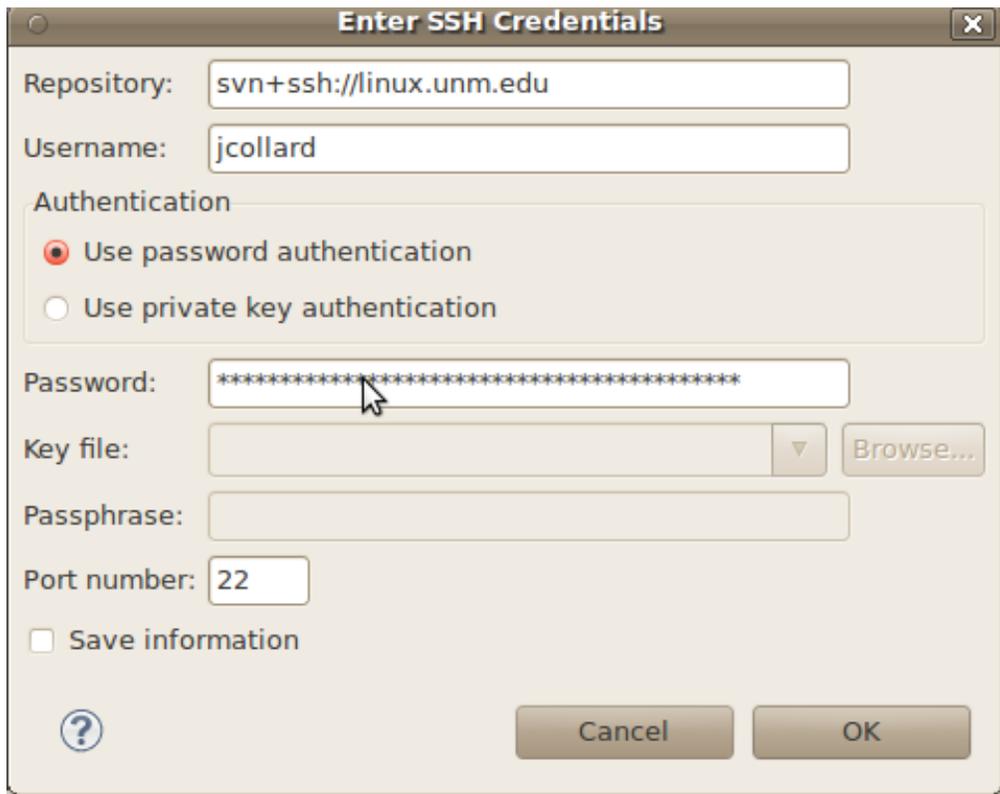


In the URL field enter “svn+ssh://linux.unm.edu:” + the working directory you obtained after creating your repository.

Click Next.



You will be asked for your credentials. Enter your netid in the username field and your password in the password field. Click Ok.



The screenshot shows a dialog box titled "Enter SSH Credentials". It contains the following fields and options:

- Repository: `svn+ssh://linux.unm.edu`
- Username: `jcollard`
- Authentication section with two radio buttons:
 - Use password authentication
 - Use private key authentication
- Password: A field filled with asterisks, with a mouse cursor pointing to it.
- Key file: An empty field with a dropdown arrow and a "Browse..." button.
- Passphrase: An empty field.
- Port number: `22`
- Save information
- Buttons: "?", "Cancel", and "OK".

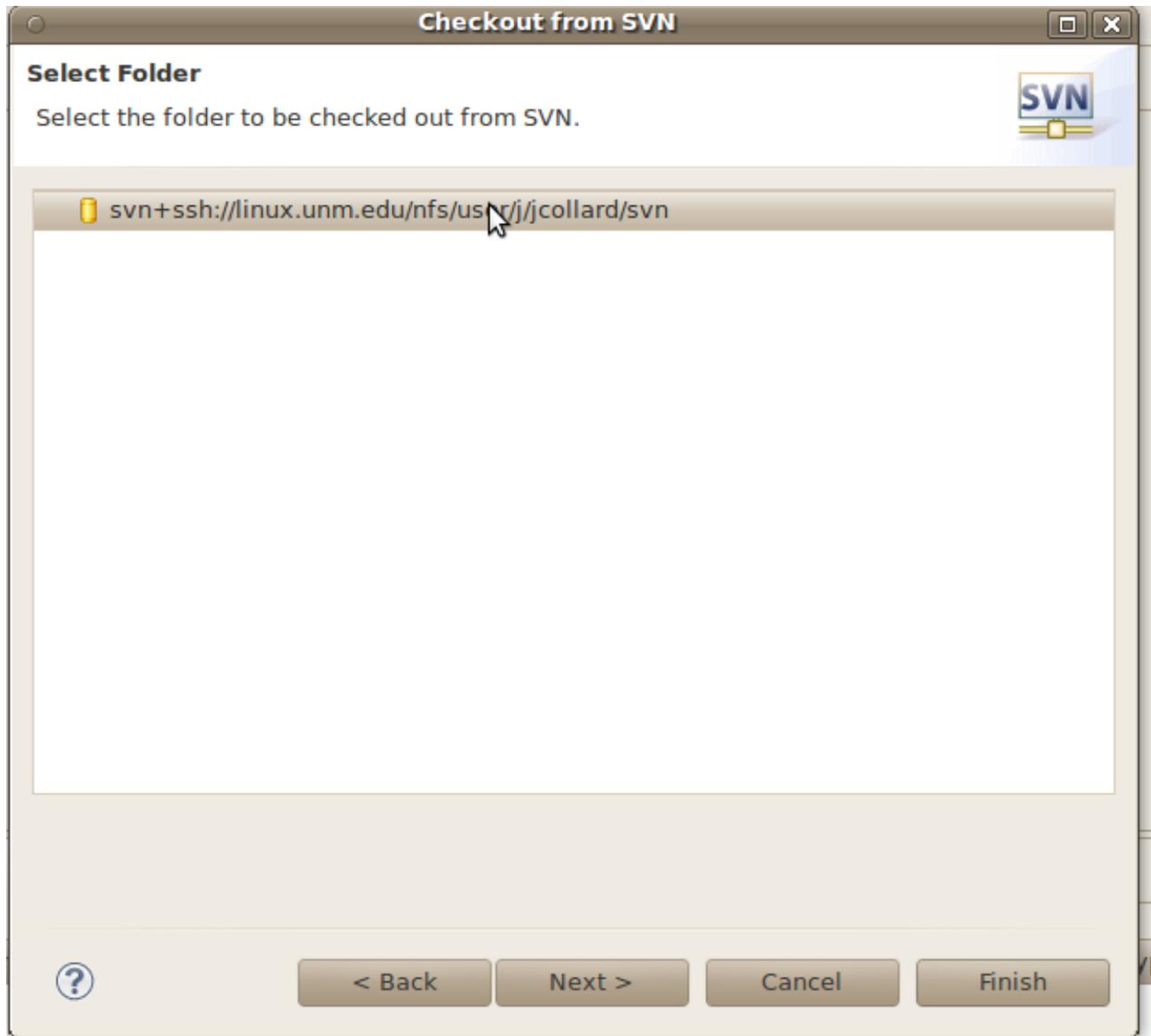
Enter an author name. I highly recommend un-checking the Save author name option. I have never been able to find a way to change the author name after clicking this option. I have always had to remove the SVN project and add it again.



The screenshot shows a dialog box titled "Enter SVN Author Name". It contains the following fields and options:

- Repository: `svn+ssh://linux.unm.edu`
- Author Name: `jcollard`
- Save author name
- Buttons: "?", "Cancel", and "OK".

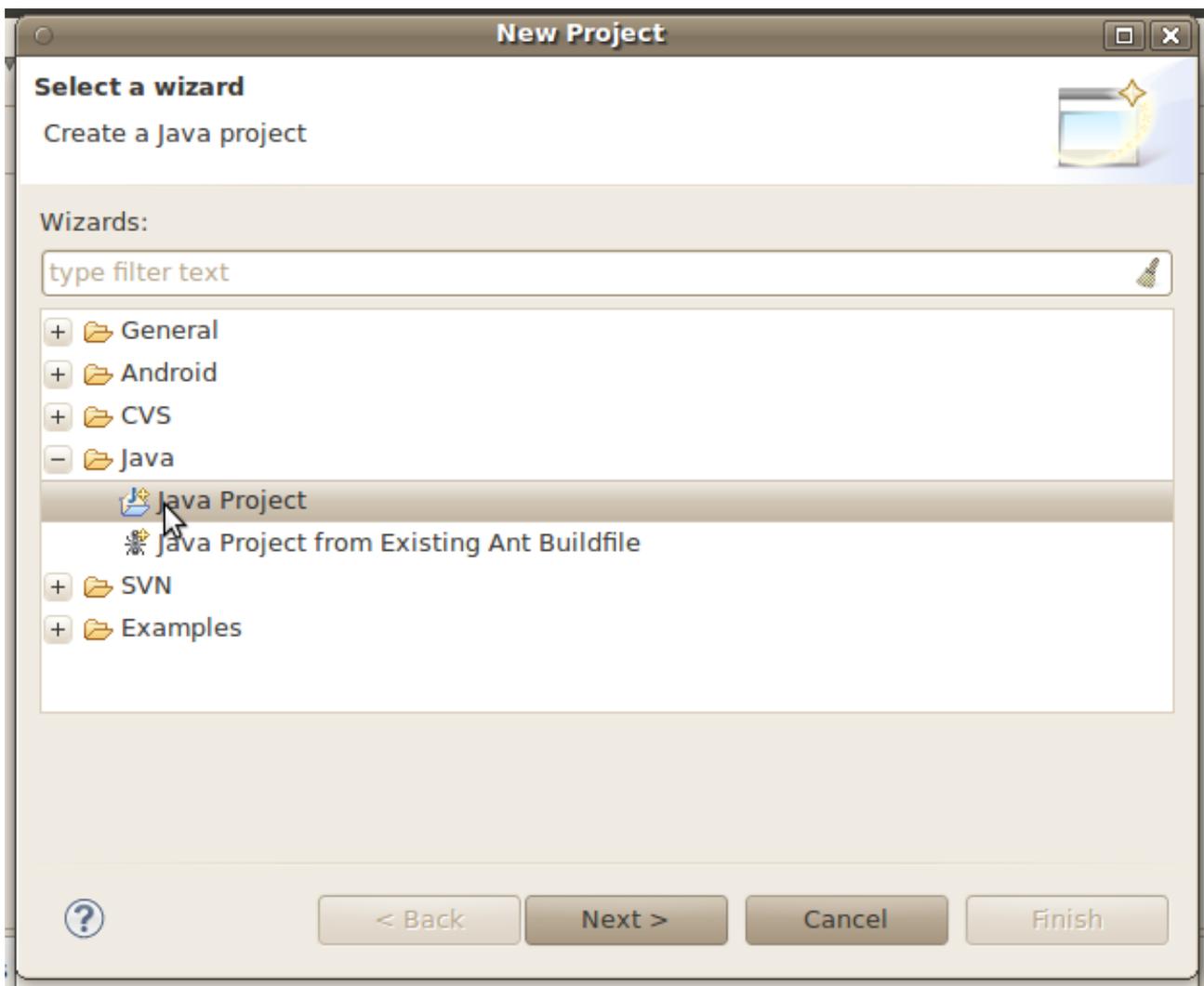
Finally you will be asked to checkout a directory from the SVN. Select the root and click Finish.



Eclipse will tell you to be careful when you check out the root. Just click Yes.



The New Project Wizard will appear again. This time Select Java → Java Project.



Name your project something “meaning full’ and click Finish.

New Java Project

Create a Java Project
Create a Java project in the workspace or in an external location.

Project name:

Use default location

Location:

JRE

Use an execution environment JRE:

Use a project specific JRE:

Use default JRE (currently 'java-6-openjdk') [Configure JREs...](#)

Project layout

Use project folder as root for sources and class files

Create separate folders for sources and class files [Configure default...](#)

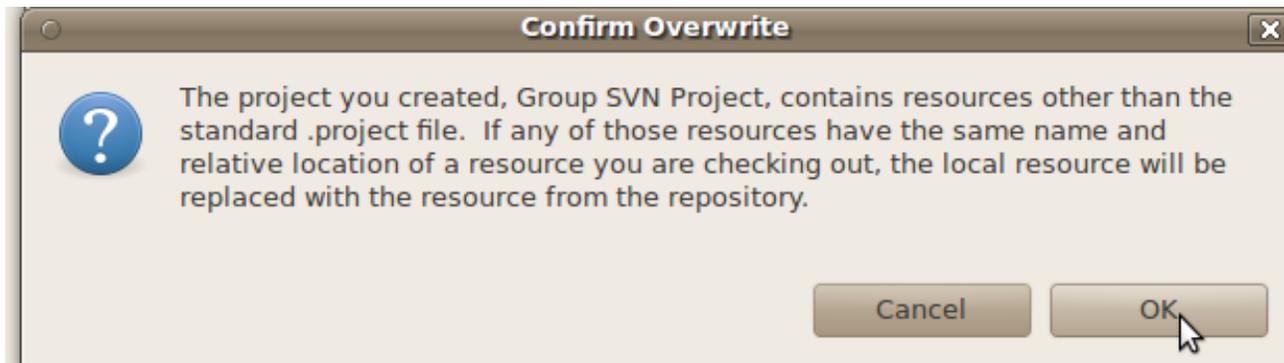
Working sets

Add project to working sets

Working sets:

callisto

When you are prompted to confirm overwriting the Group SVN click OK.



Congratulations! You now have an SVN Project set up in your Eclipse workspace. You will notice a “Team” option when you right click on files in the package explorer. This is how you update / commit files to your project.