

EMSE Development Environment Setup

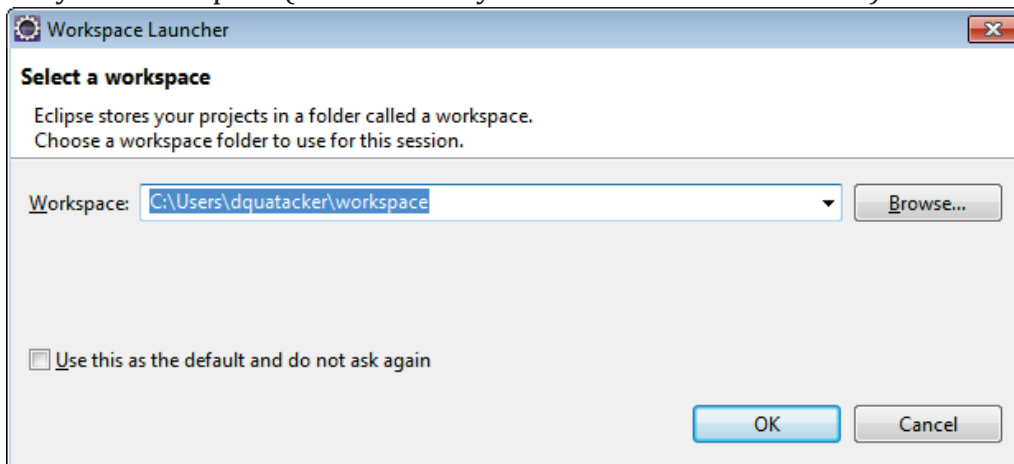
This document is designed to give a quick overview of setting up a new environment to use for EMSE development.

Pre-Requisites

- 1) Java Development Kit
 - a. <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
- 2) Eclipse IDE for Java EE Developers
 - a. <https://www.eclipse.org/downloads/>
- 3) Assembla SVN Account with Access to following repositories
 - a. Signed up for account @ www.assembla.com
 - b. Email DG_Services-EMSE@accela.com with your Assembla Account information for access and connection information
- 4) JSDoc ToolKit (Optional)
 - a. <http://code.google.com/p/jsdoc-toolkit/>

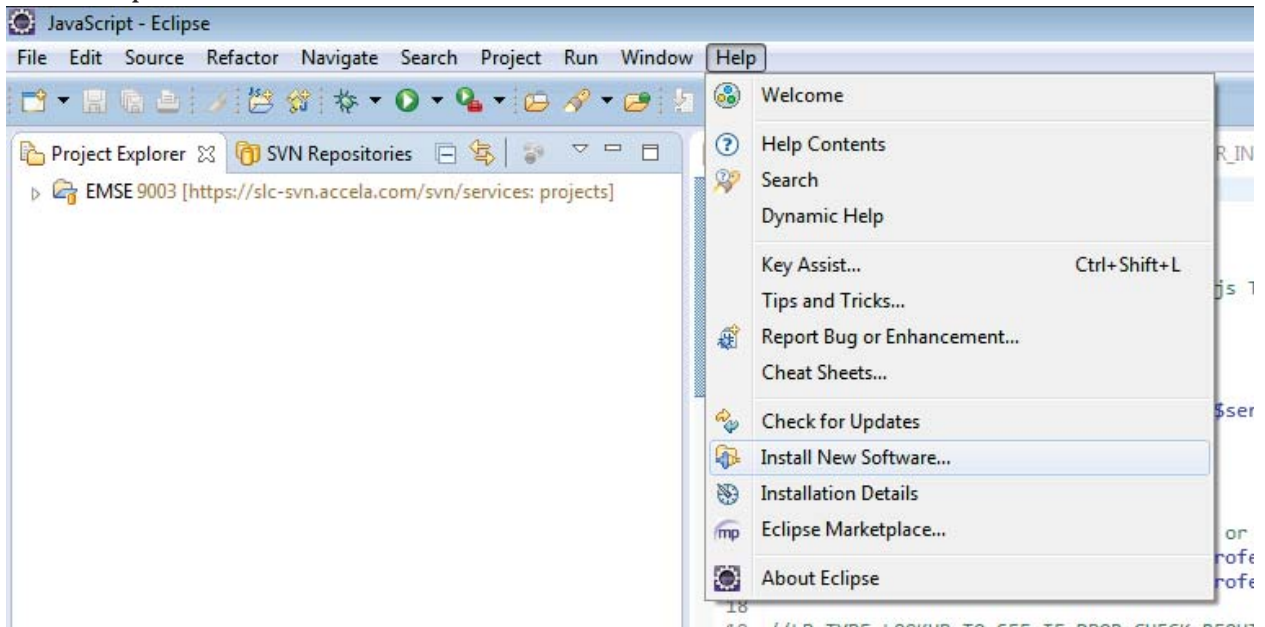
Setup

- 1) Install JDK.
- 2) Extract Eclipse IDE to C:\Eclipse\.
- 3) Extract JSDocToolkit to C:\JSDocs\.
- 4) Run Eclipse (open: C:\Eclipse\Eclipse.exe).
 - a. Option: Create shortcut to eclipse.exe for ease of use.
- 5) Set your workspace (this is where your local files will be stored).

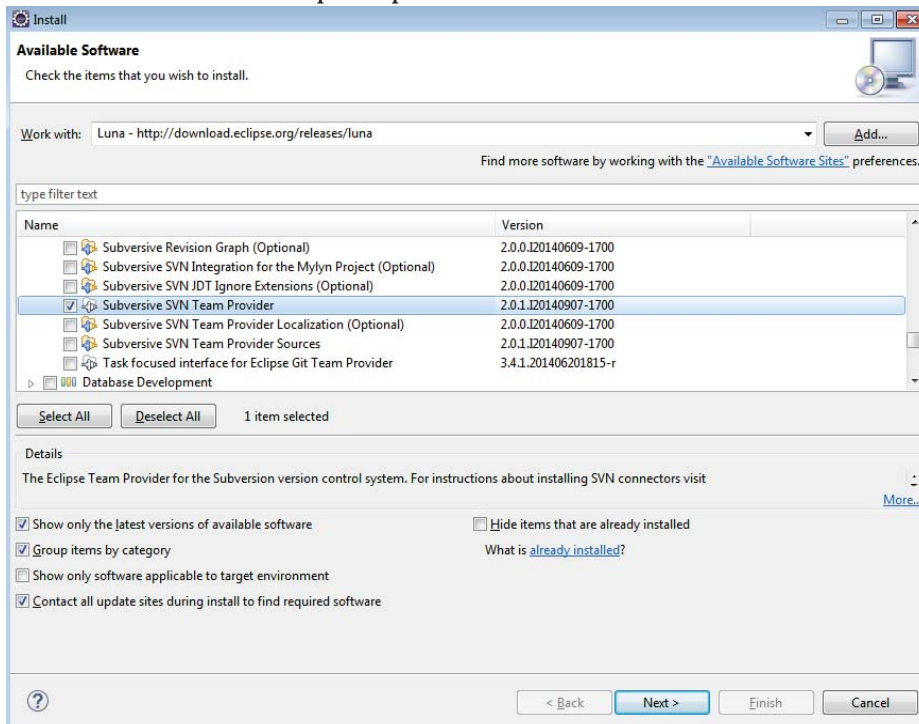


Install SVN Integration

- 1) Go to Help > Install New Software.



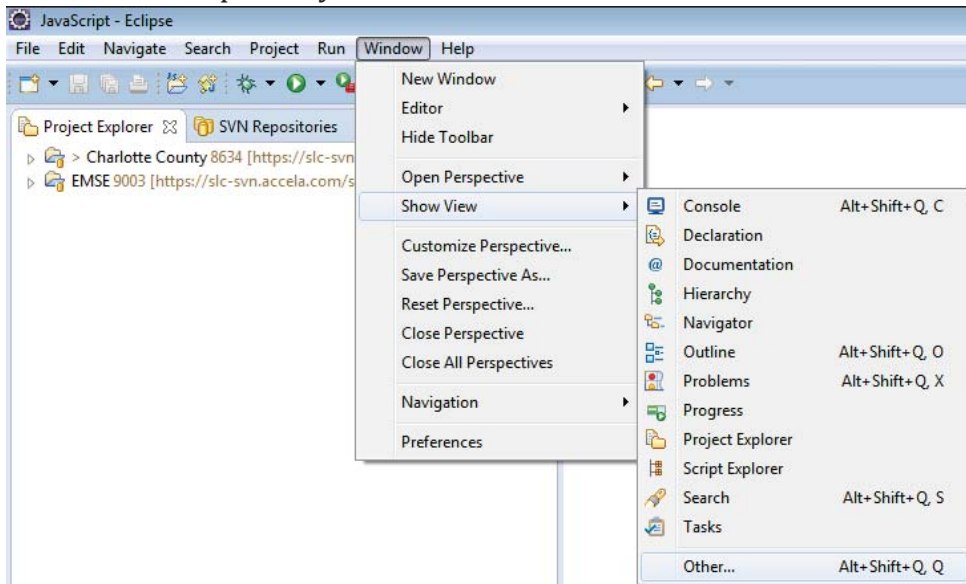
- 2) For Work with choose Luna – <http://download.eclipse.org/releases/luna>.
- 3) Expand Collaboration and Select Subversive SVN Team Provider.
- 4) Select Next and follow prompts to install.



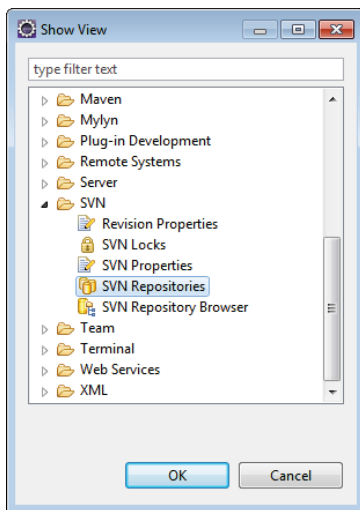
- 5) Restart when prompted.

Configure SVN Integration

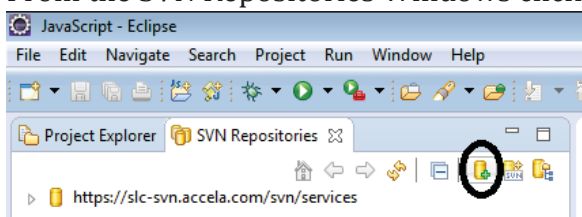
- 1) Add the SVN Repository View. Windows > Show View > Other.



- 2) Select the SVN > SVN Repositories (You may be required to select a provider, if you do select the current version of the SVN Kit and install by following steps).

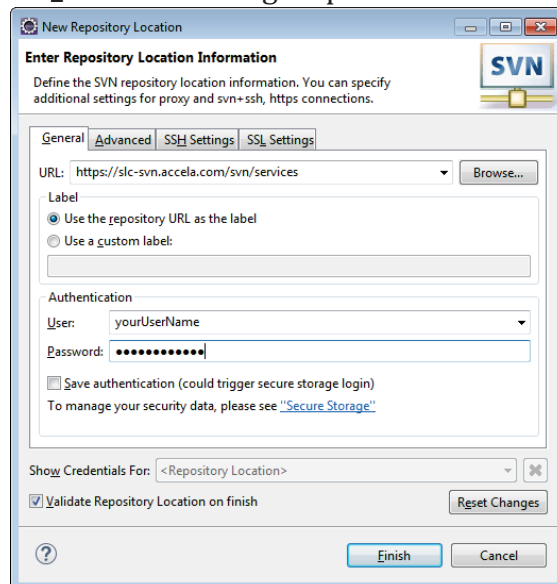


- 3) From the SVN Repositories Windows click the new repository button.

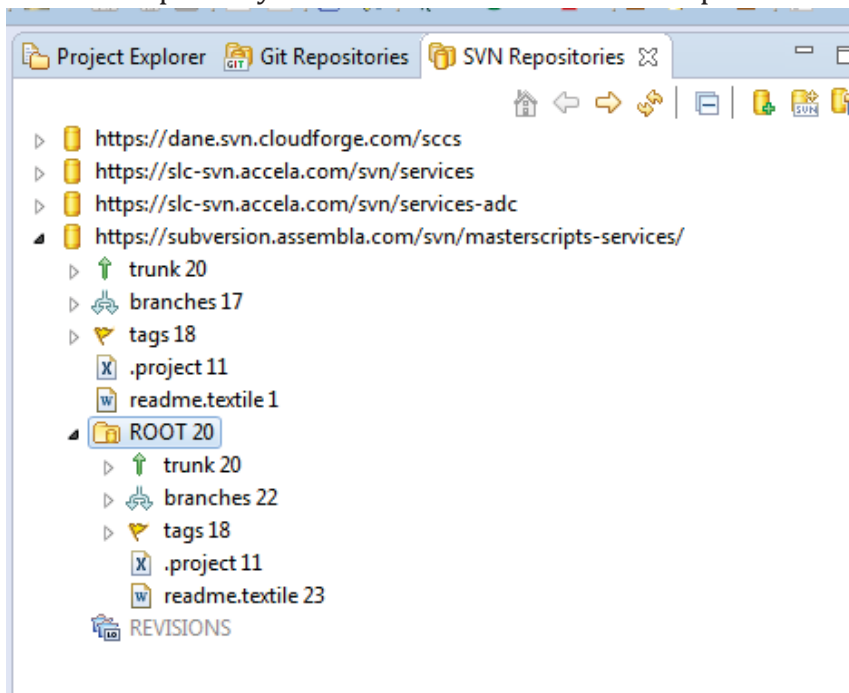


- 4) Fill in the SVN Repository Information.

- a. Note URL, User, & Password should be for Assembla repository provided by DG_ServicesEMSE group.

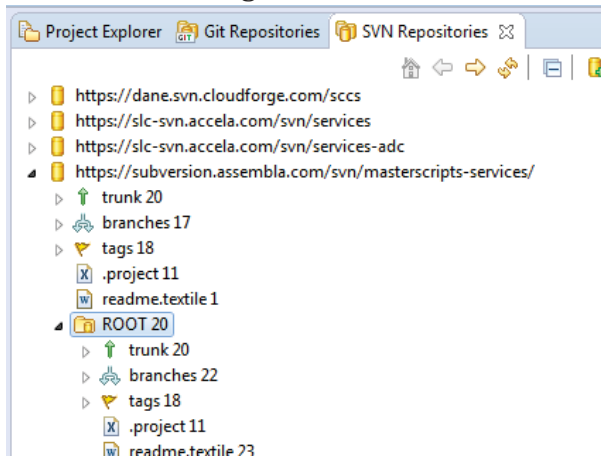


- 5) You may be prompted to save credentials, if you wish to save credential follow on screen prompts.
- 6) The SVN repository should now be available in Eclipse.

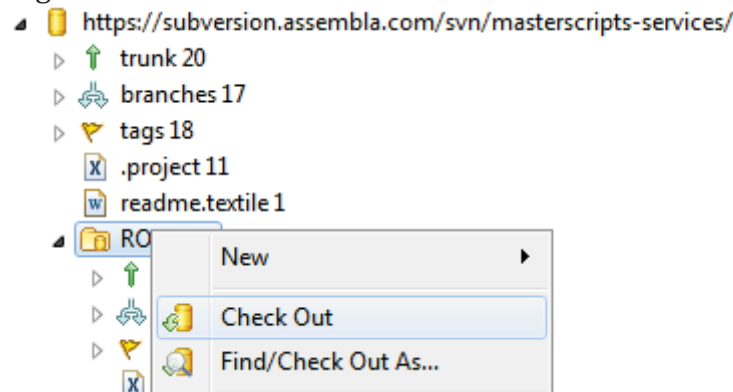


Checking Out a Project

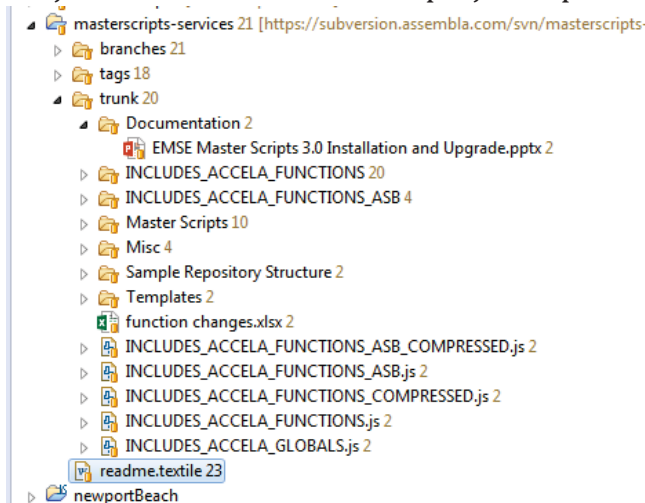
- 1) Locate the SVN repository you want to check out in the SVN Repositories Tab. It is most common to check out the Root. This will give you the entire repository including the Trunk, Branches, and Tags.



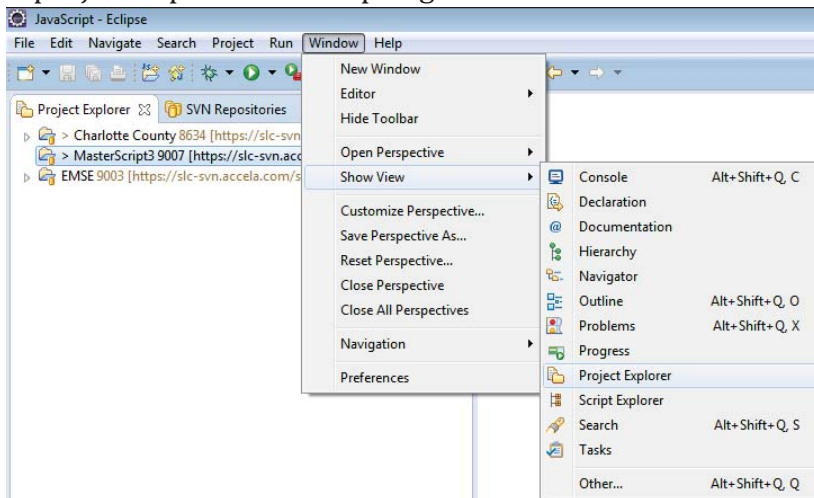
- 2) Right Click on folder and Check Out to check out the SVN Folder to your workspace.



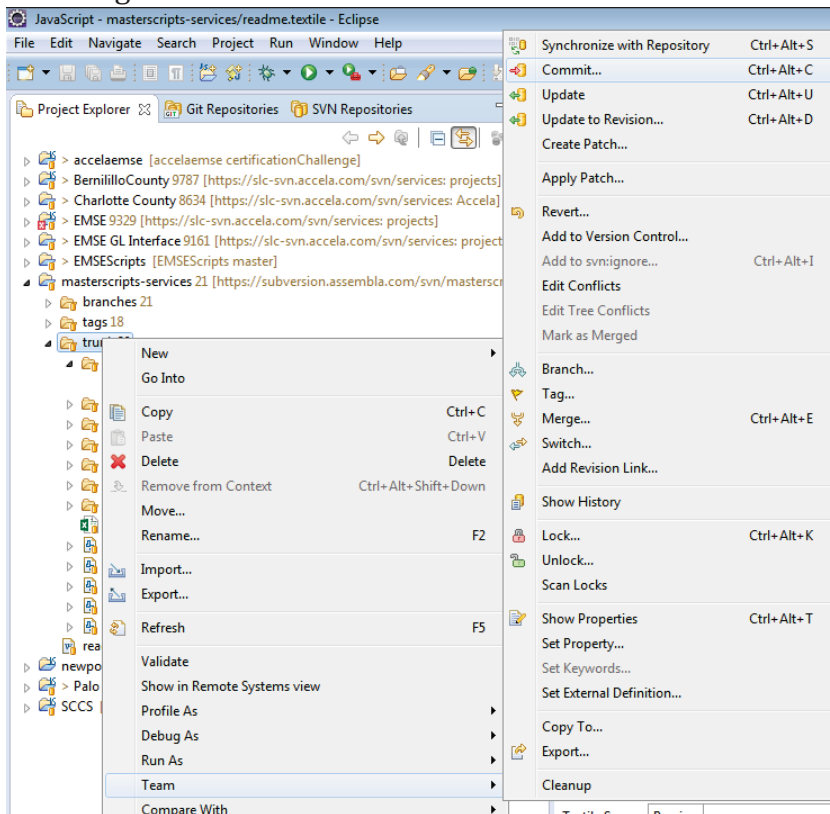
- 3) Project is now available under project explorer.



- 4) If project explorer is not open go to Windows > Show View > Project Explorer.

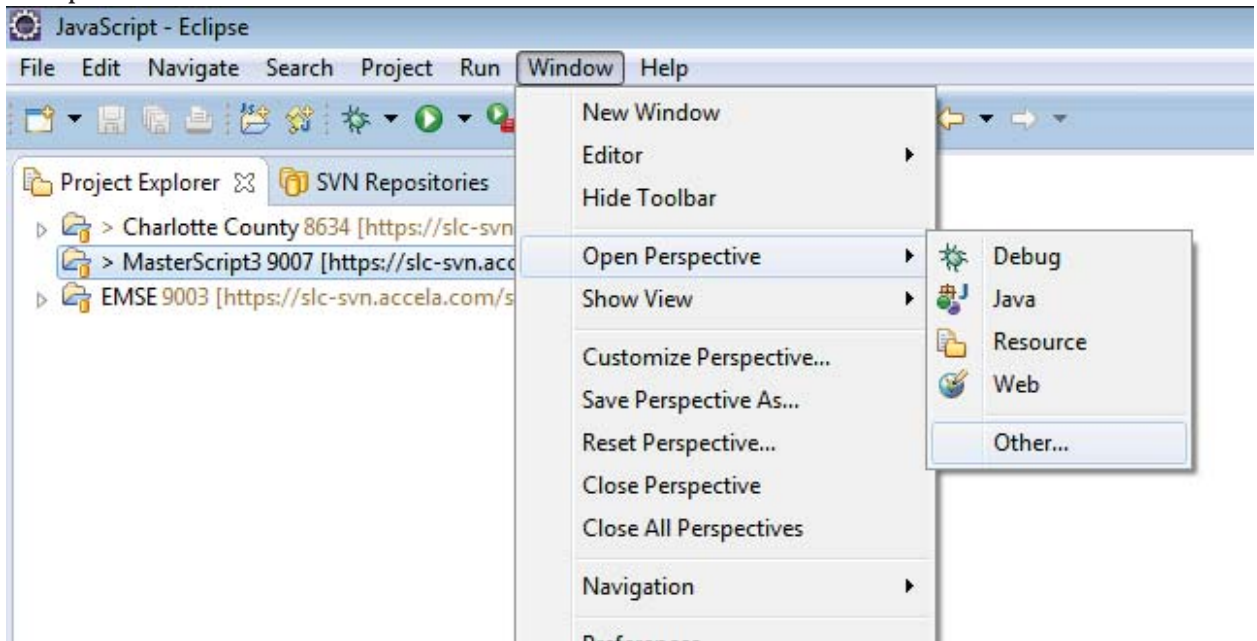


- 5) After project is available normal SVN functions are available if you right click checked-out file and go to Team from context menu.

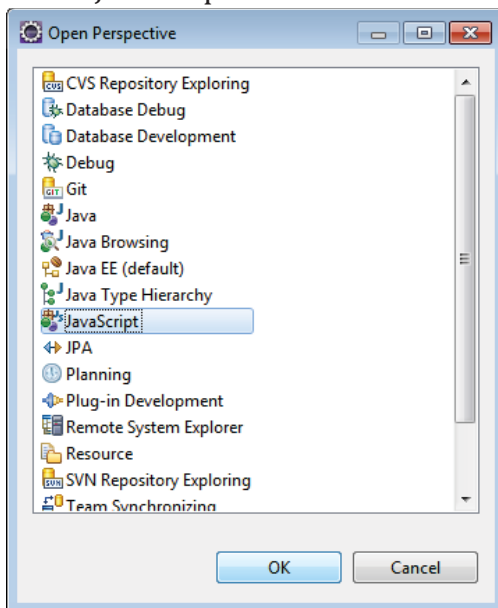


Setup JavaScript Environment

- 1) After selecting project turn on JavaScript perspective by going to Windows > Open Perspective > Other.



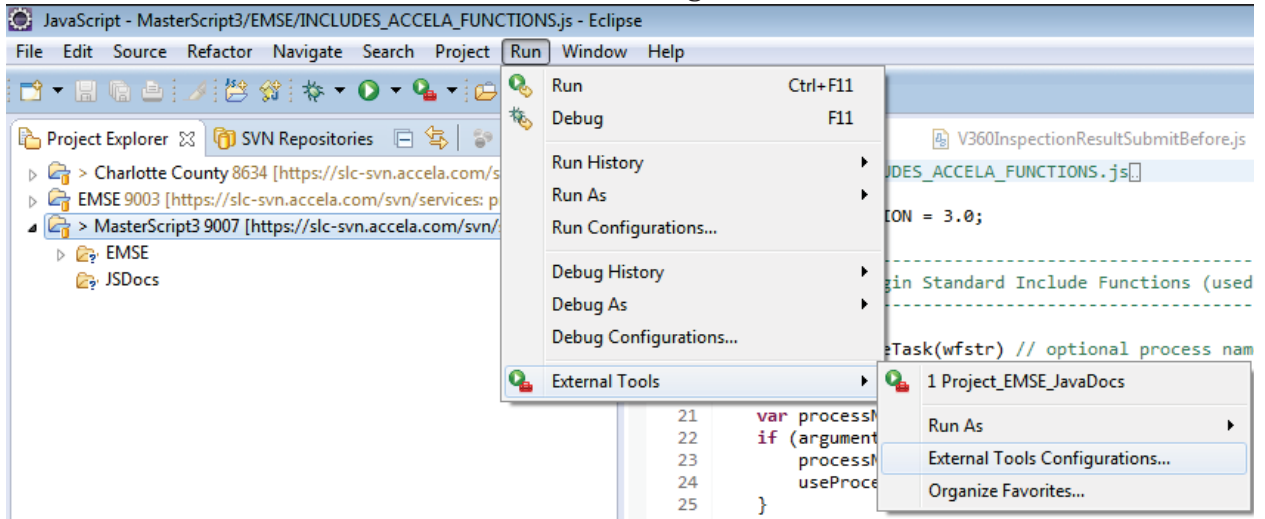
- 2) Select JavaScript from the list.



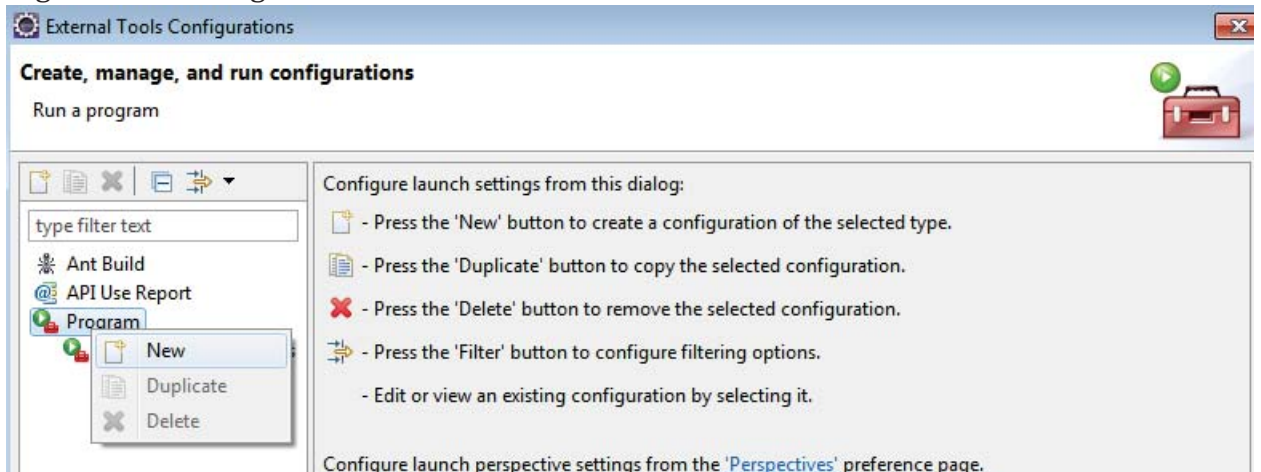
Automating JSDocs for Project (Optional)

This is an optional process that can be used to automatically generated HTML JavaScriptDocs for all code within the project. This process must be done per project in workspace.

- 1) Go To Run > External Tools > External Tools Configuration.

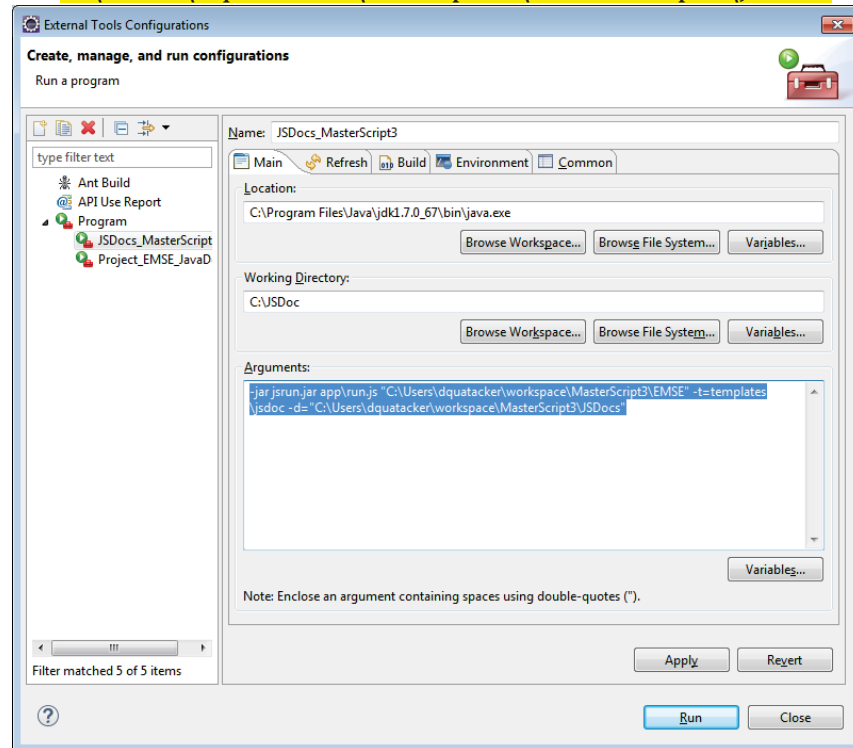


- 2) Right Click on Program and Choose > New.



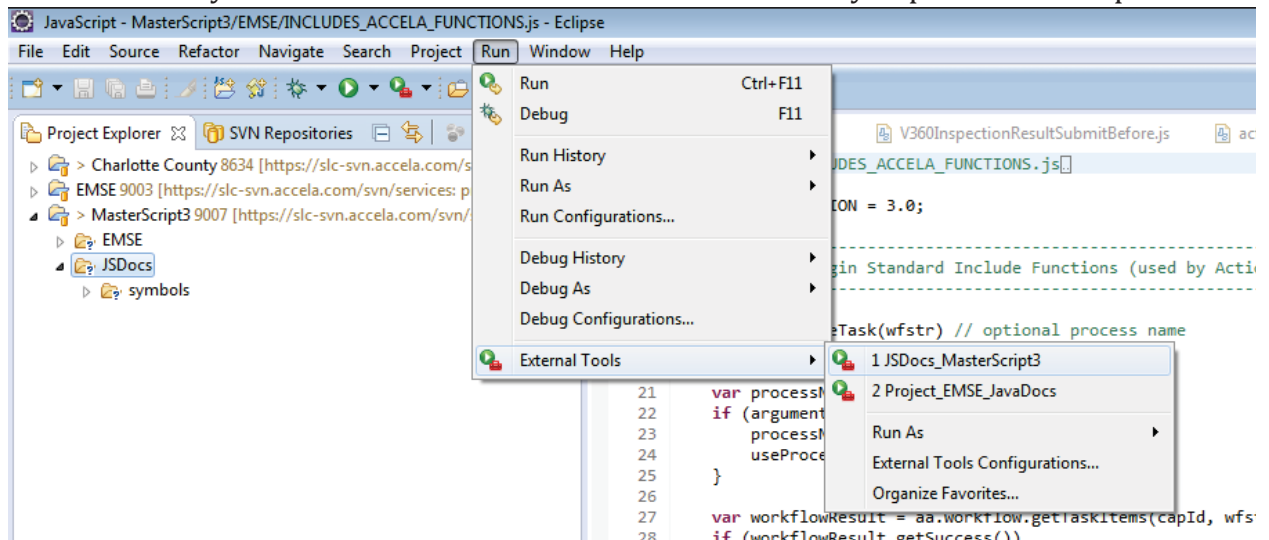
3) Fill in the information to run JSDocs.

- a. Name: Name or projects you want to generate JSDocs for.
- b. Location: This is where java.exe from JDK is located.
- c. Working Directory: This is location of JSDocs.
- d. Arguments: This are parameters to pass to JSDocs, highlights directories below will need to be modified to your projects source file location and output location for jsdocs.
 - i. `-jar jsrun.jar app\run.js`
`"C:\Users\dquatacker\workspace\MasterScript3\EMSE" -t=templates\jsdoc -`
`d="C:\Users\dquatacker\workspace\MasterScript3\JSDocs"`

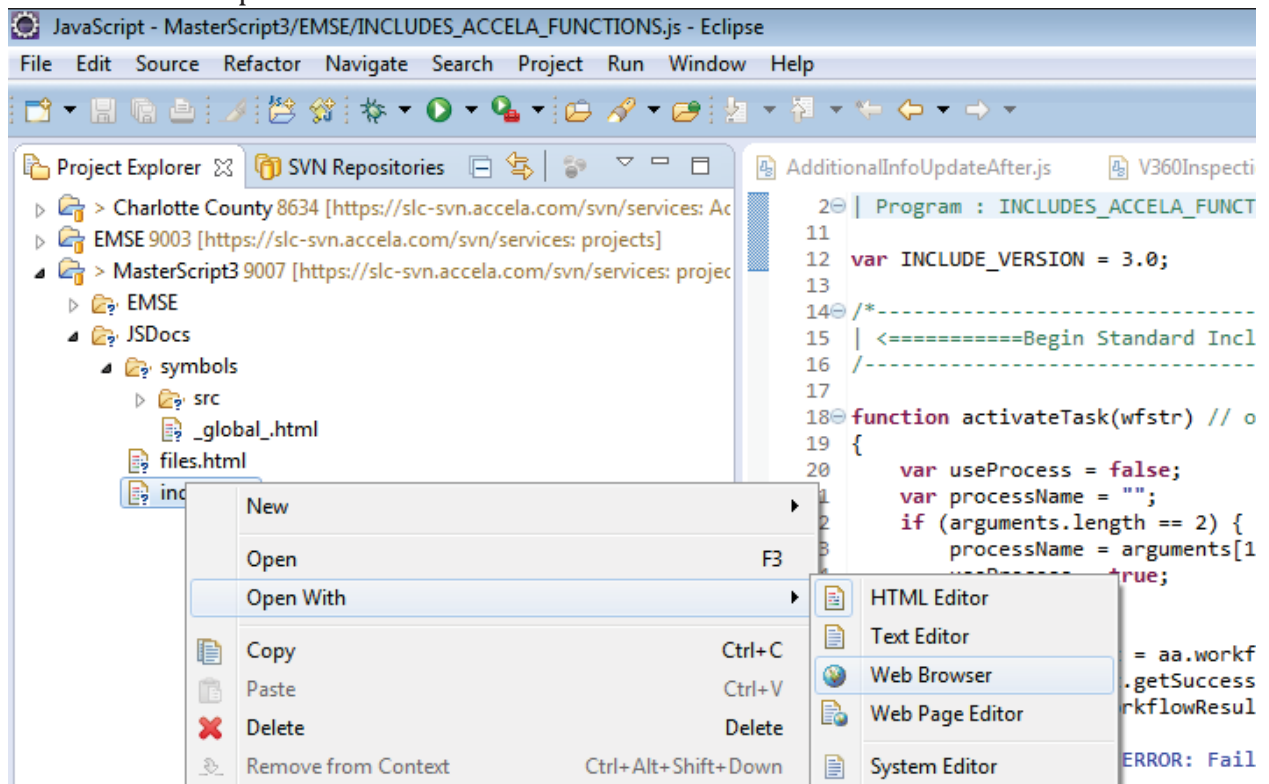


4) Click Apply to Save, clicking Run from this window will create the JSDocs.

- 5) To create at any time later from Run > External Tools > Name you provided in step 3.



- 6) After Generating JSDocs they can be opened by locating output folder > Right Click on Index.html and open with web browser.

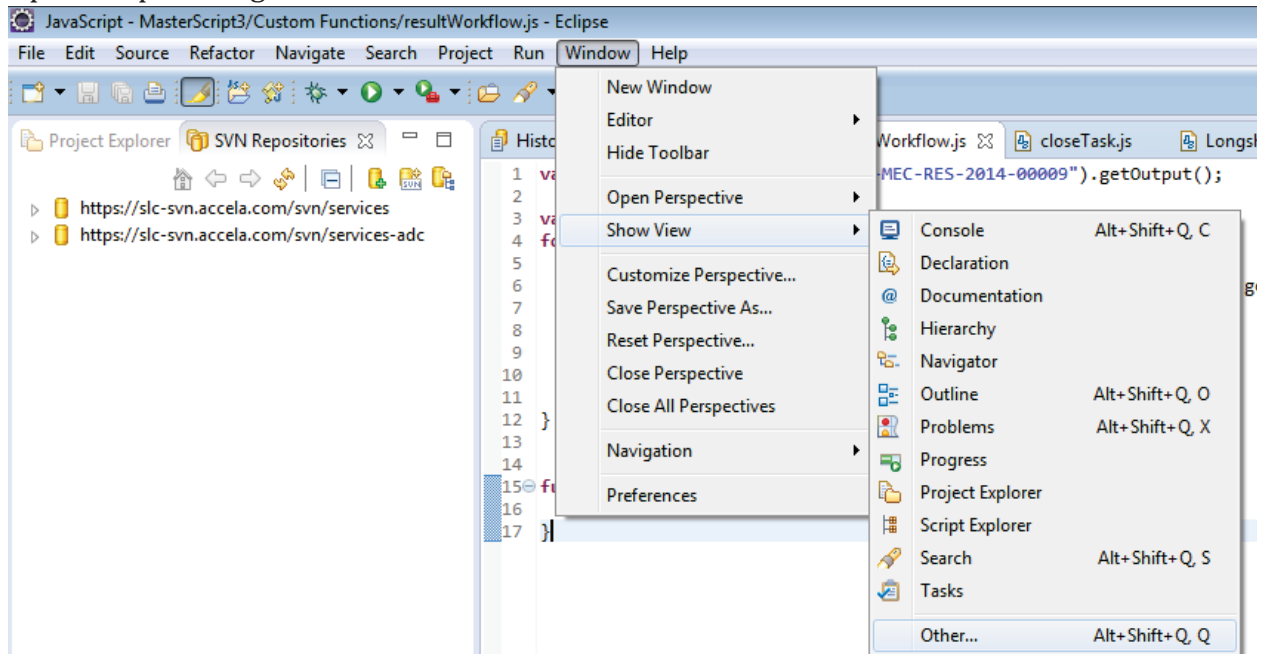


GIT Integration (Optional – SVN Alternative)

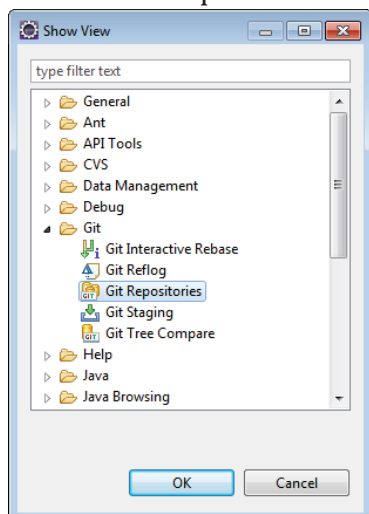
Accela has standardized on the usage of SVN within Professional Services, but GIT is supported for Source Code control through both Eclipse and the Accela EMSE Tool, so is covered by this guide in the event it is needed by an Agency.

To connect to a GIT repository use the following steps:

- 1) Open Eclipse and go to Window > Show View > Other.

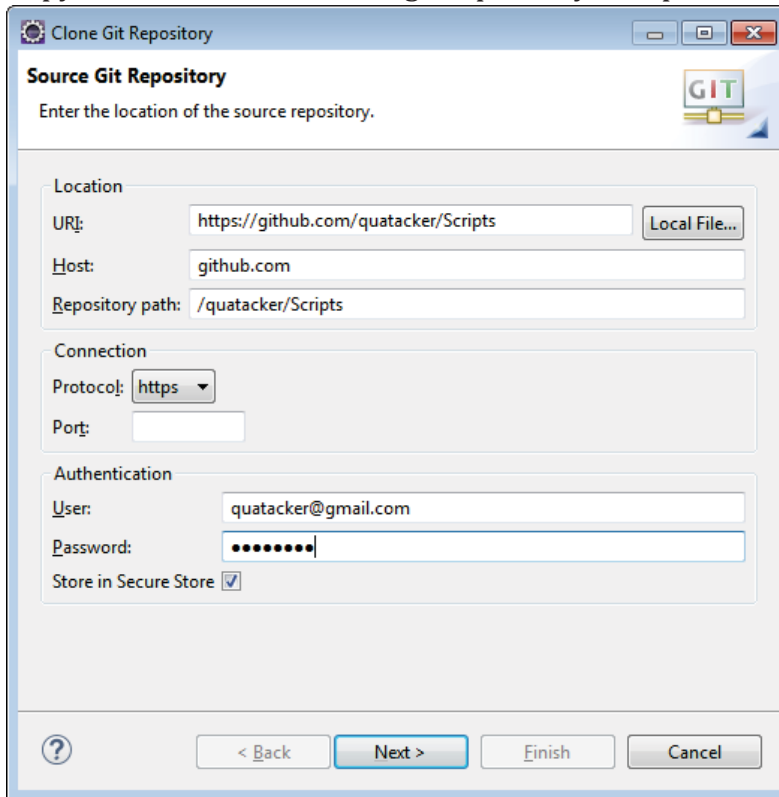


- 2) Locate “Git Repositories” in the list and click OK.

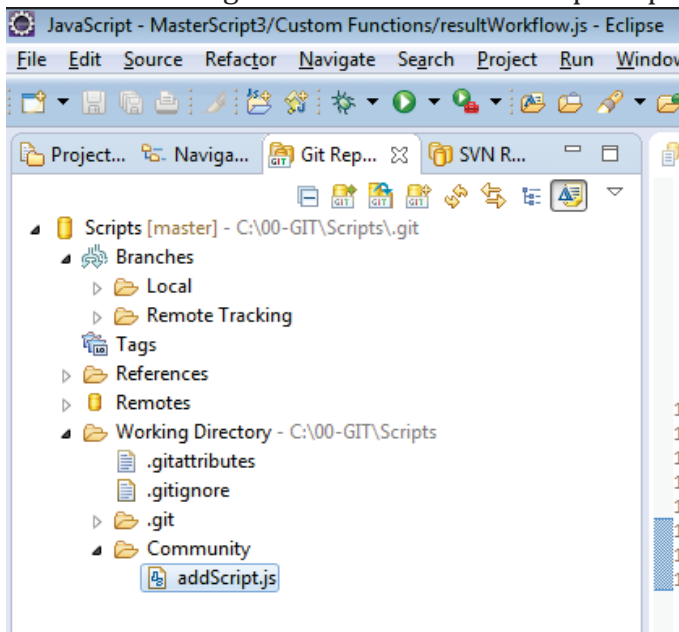


- 3) From the Git Repository Window click “Clone a Git Repository”.

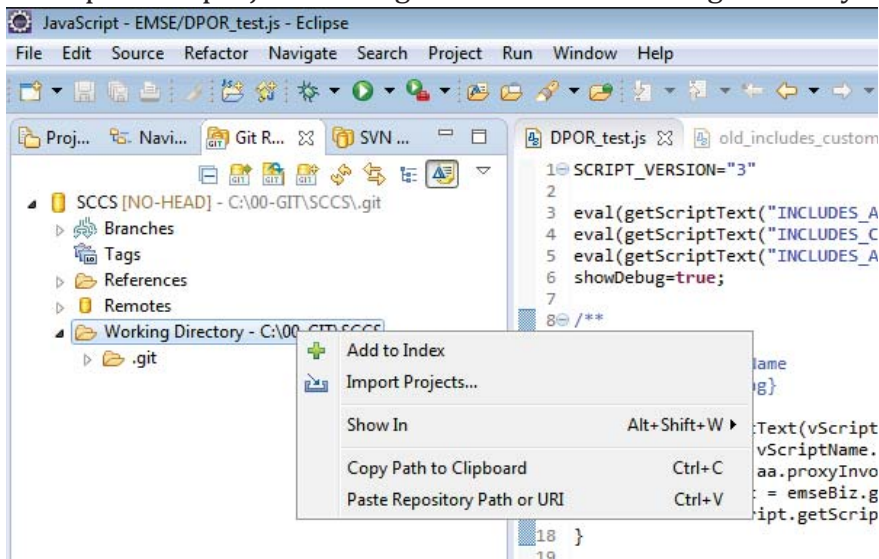
- 4) Copy and Paste the URI from git repository, complete authentication info.



- 5) Click next through the Wizard and follow prompts to create local git repository.



- 6) To import the project next right click on the working directory and choose Import Project.



- 7) After import the project will appear in the project tab and Team options will be available.

