

# Accessing the Source Code of Epsilon from SVN

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## Introduction

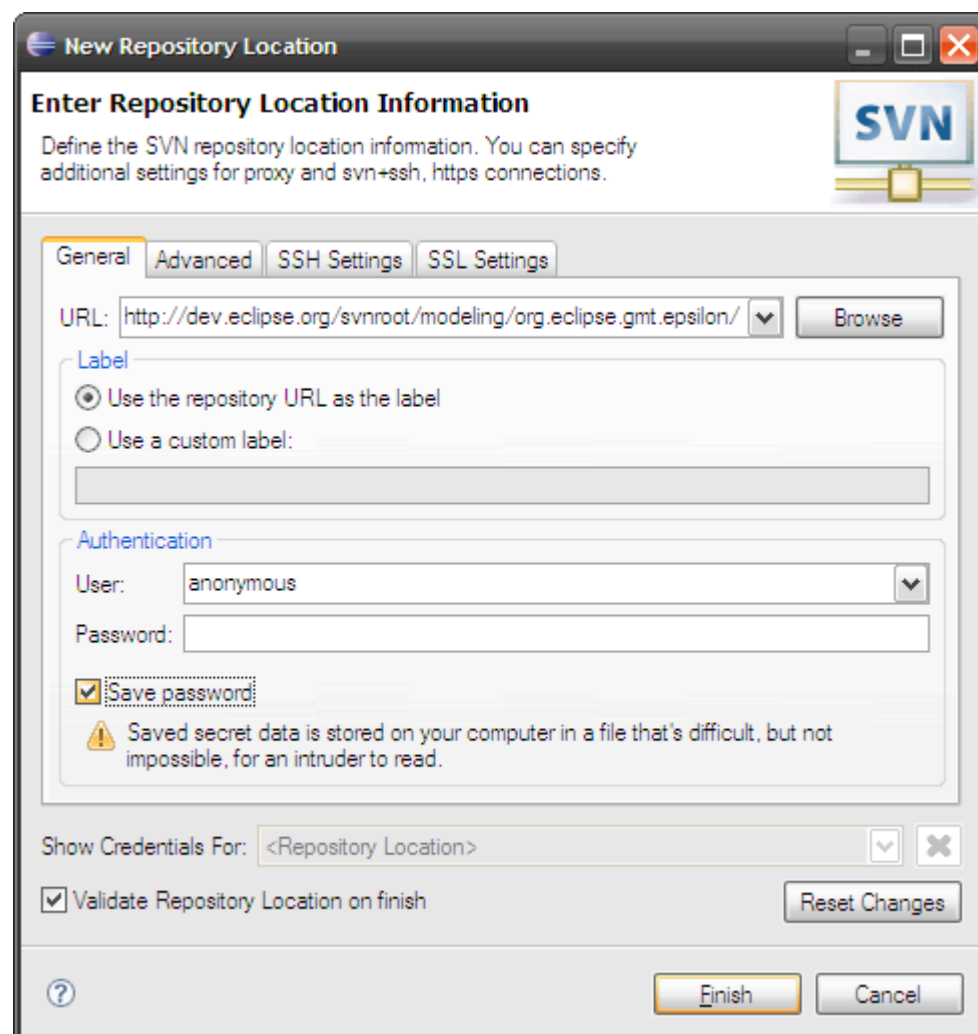
The purpose of this document is to describe the process of setting up a local copy of the source code of Epsilon from the Eclipse SVN server (**dev.eclipse.org**) using Eclipse 3.3+.

## Prerequisites

Download and install Java 1.5+, Eclipse 3.3+, the Eclipse SVN client, the latest version of EMF and (optionally) the latest version of GMF.

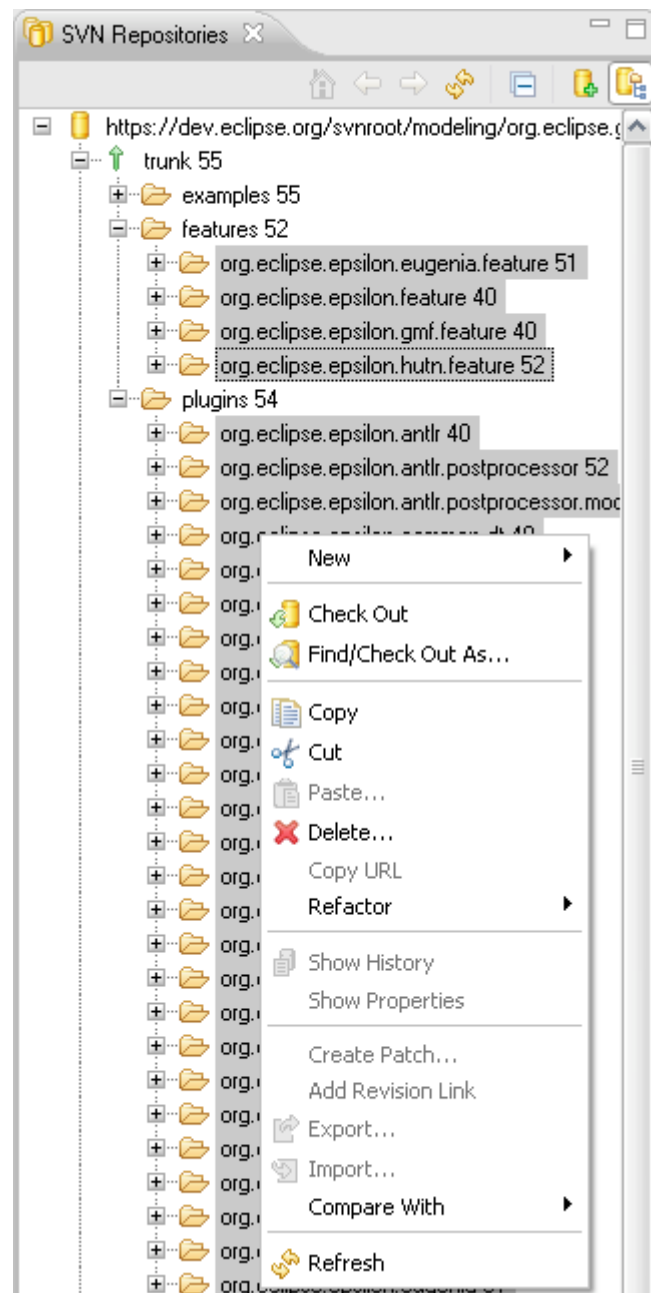
## Accessing the code

1. Switch to the **SVN Repository Exploring** perspective (from the **Window->Open Perspective->Other...** menu)
2. Click the **New Repository Location** on the **SVN Repositories** view and enter the following details (<http://dev.eclipse.org/svnroot/modeling/org.eclipse.gmt.epsilon/>):



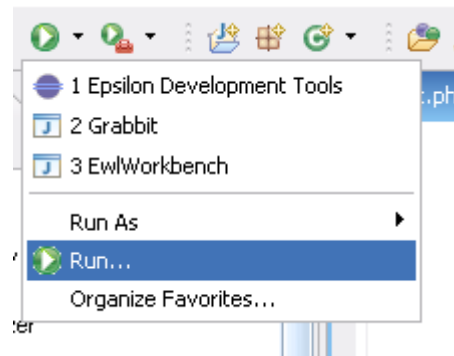
3. Open the **trunk** node


4. Select the sub-folders of **plugins** and **features**, right-click and check them out as follows:

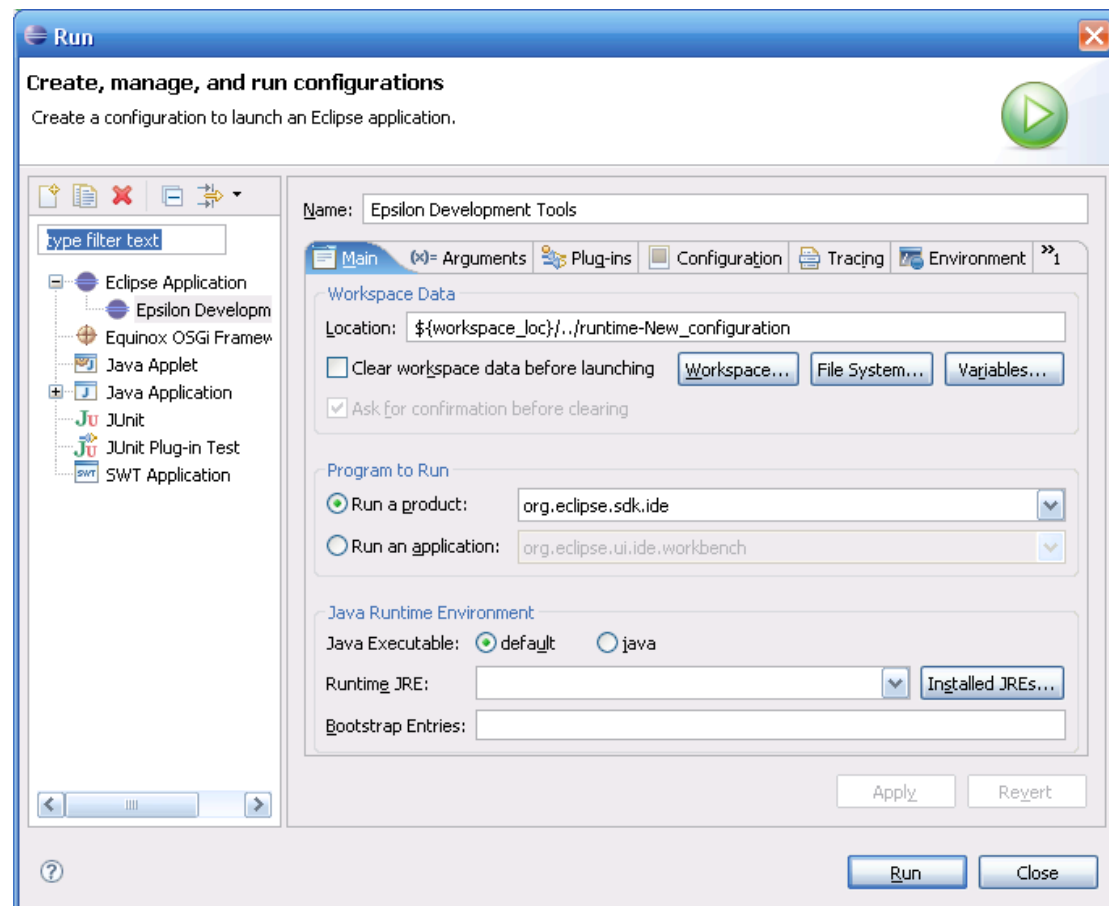


## Launching Epsilon

Now switch to the **Plug-in Development Perspective** (from **Window->Open Perspective->Other...**) and click the **Run** menu



and in the dialog that appears, create a new **Eclipse Application** launch configuration by selecting the **Eclipse Application** node and clicking the **New Launch Configuration** (  ) button.

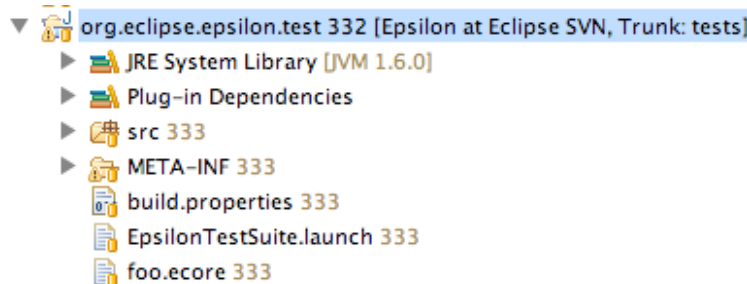


Now click the **Run** button on the bottom right of the dialog. A new instance of Eclipse should start.

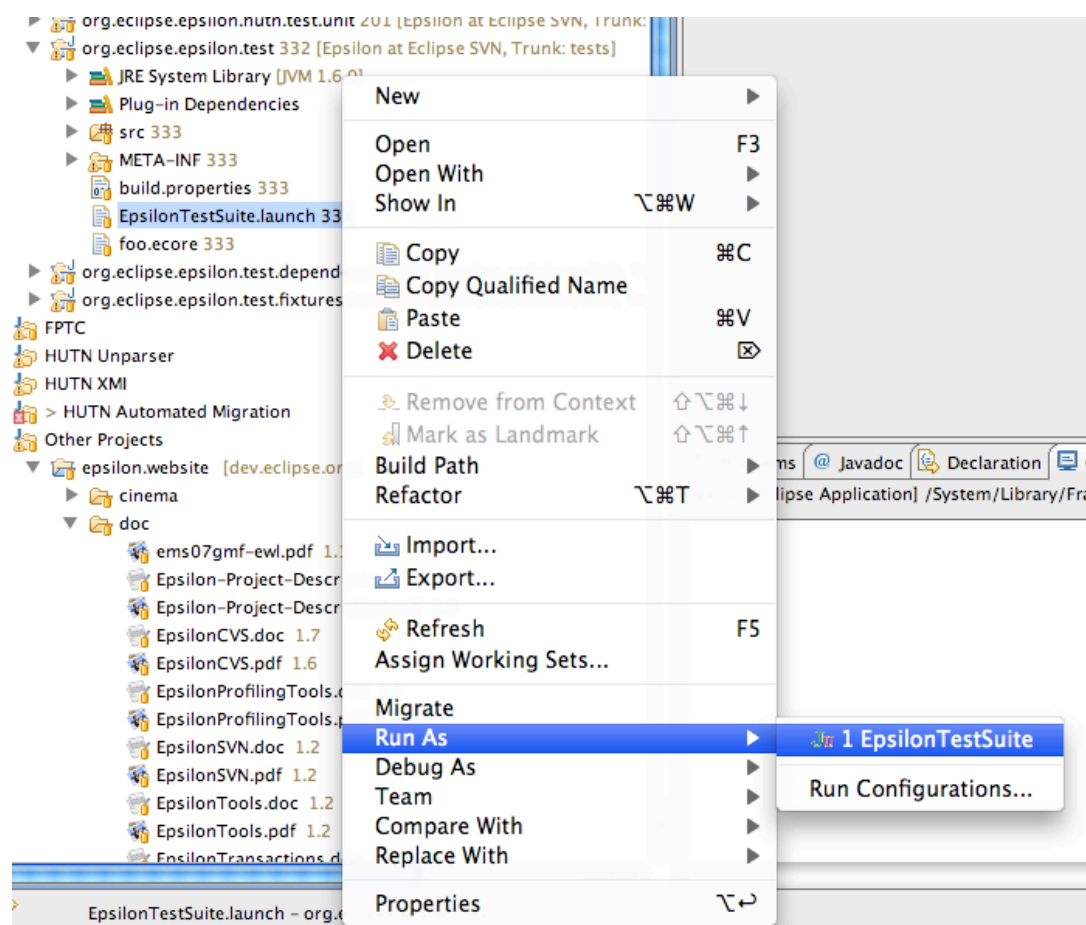
## Running Epsilon tests

Epsilon has a test suite. Currently, unit and acceptance tests are defined for the Epsilon Generation Language (EGL) and for Epsilon Human Usable Textual Notation (HUTN). There are also some tests for the Epsilon Object Language (EOL).

1. Open the SVN repository exploration perspective, expand the Epsilon subversion repository node, and expand the **trunk** node.
2. Select all of the sub-folders of **tests**, right-click and check them out.
3. Expand the org.eclipse.epsilon.test project:



4. Right-click the Epsilon Test Suite launch file, click the first option under Run as:



5. Observe the results in the jUnit view:

