



Published on *Java Machine Learning Library (Java-ML)* (<http://java-ml.sourceforge.net>)

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Developer documentation

This section of the documentation is for Java-ML developers. These pages explain how to build your local release of Java-ML, how to run JUnit tests and expand the library.

We locally use the Eclipse IDE to develop Java-ML and as such most explanations will be Eclipse focussed. Similar procedures will result in the same result in other IDEs.

Software we use to build Java-ML:

[Eclipse](#) ^[1]

[Eclipse SVN plugin](#) ^[2]

Getting the source code

There are two ways to get the source code. You can either use the code that came with the release you downloaded, or you can grab the latest source from the SVN. As developer you will probably prefer the latter.

Getting the source from SVN

You will need the [subclipse plugin](#) ^[2] from [Tigris](#) ^[2] to browse SVN repositories in Eclipse.

The location of the SVN is: <https://java-ml.svn.sourceforge.net/svnroot/java-ml> ^[3]

Sourceforge provides anonymous read-access, and authenticated write-access. So you can just browse there repository and check it out without registering.

The main development happens in the '/trunk' directory, so you will want to 'check-out' that directory.

Before the project will compile properly, you have to add the libraries in the lib/ directory to the class-path.

Running regression tests

Java-ML has a number of regression tests to make sure that once we fix a bug that it stays fixed. In order to accomplish these goal we use the JUnit framework [4].

These tests are **only** available through the SVN version of the source code. All tests are in the package junit. These tests are not included in the regular releases!

Before you can run these tests, you have to check-out the source using SVN in Eclipse. Next you have to add the JUnit library to the project. This can be done by selecting properties on the project > Build path > Add library...

To run them in Eclipse, you right-click the project folder and select "Run as... > JUnit test" from the pop-up menu . This will start all tests in the JUnit framework.

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Source URL (retrieved on 08/20/2009 - 17:54): <http://java-ml.sourceforge.net/content/developer-documentation>

Links:

[1] <http://www.eclipse.org/downloads/>

[2] <http://subclipse.tigris.org/>

[3] <https://java-ml.svn.sourceforge.net/svnroot/java-ml>

[4] <http://junit.org/>