Get your own copy of McLAB Static Analysis Frameworks (McSAF and Tamer) :

1. Jar package : Click here to download the compiled Jar package
   OR
2. Source Code : McLAB Static Analysis Frameworks (McSAF and Tamer) source code is freely provided under the Apache Version 2.0 license. Click here to download the source code on GitHub.

Get jar package from the source code

Building on UNIX-like systems

1. Make sure you have JDK6(or higher) and ANT installed on your system
2. Fork our repo on GitHub, and clone it to your local
3. Go to `~/mclab/languages/Natlab` directory
4. run `ant jar`
5. If everything goes well, you should get a Natlab.jar package

Building on Windows

1. Make sure you have JDK6(or higher) and ANT installed on your system
2. Fork our repo on GitHub, and clone it to your local
3. Open a Command window (Select Start-> Run, type “cmd” and press Enter)
4. Go to `~\mclab\languages\Natlab` directory
5. run `ant jar`
6. If everything goes well, you should get a Natlab.jar package

Setting up an Eclipse environment

We use Eclipse as our primary development IDE and recommend it for anyone who would like to play around with the source code. You can follow the steps below to set up your Eclipse environment.

1. Import Matlab Source into a workspace
2. Open an Ant view
3. Click on “Add Buildfiles”, then select the build.xml under Natlab
4. Select “build[default]”
5. Wait for a few moments for the “bin-ant” and "gen" directories to populate, based on the files generated by Ant, the Eclipse will build the workspace automatically.

Running Natlab

1. cd to the directory containing Natlab.jar
2. Run `java -jar Natlab.jar [OPTION]... [FILE]`
3. Run `java -jar Natlab.jar -help` for a list of OPTIONs and their functionalities

Notes:

1. If the Eclipse won't build the workspace automatically after you building the environment with Ant, have a look at your Eclipse view problems window, it will tell you more
2. If the Eclipse gives an error like “com.sun.tools.javac.Main is not on the classpath”, make sure that JAVA_HOME points to JDK and make sure you have the tools.lib under jdk/lib (You may copy it from jre/tools.lib)
3. You can also run the code in Eclipse. Open “Run Configurations”, click “Search” in “Main

class” section, pick “Main - natlab”. Then go back to “Run Configurations” panel, click “Arguments” and type command in “Program arguments” section. For example, type “-x ~/test/test.m” into the section. Then, click “run” button at the right bottom corner

4. When you use -x or -xml flag to get xml IR, if you encounter some error, please try put -m or -matlab following -x or -xml