The Cheddar OSATE plugin allows to produce an XML Cheddar model from an AADL model. The current implementation of this plugin allows you to handle Ravenscar compliant model only. AADLInspector provides a more robust and complete AADL transformation towards Cheddar. Cheddar OSATE plugin provides also an experimental support for muticore architecture analysis, which does not exist in AADLInspector.

To modify this plugin, you must follow those steps :

1- First, install the OSATE 2 development environment as describe here :

http://osate.org/setup-development.html

2- The OSATE 2 development environment does not contain Eclipse SVN Eclipse plugin. To install this SVN plugin inside Eclipse, Go the the « Help » Menu, and then to « Eclipse Marketplace » and install « Subclipse », the SVN plugin for Eclise

2- Checkout the Cheddar java binding source code in a new project. See HOWTO_COMPILE_JAVA_BINDING.odt/pdf for such a purpose

5- Checkout the Cheddar OSATE 2 plugin source code in a new Eclipse project:
   – Open the « File/New/Projec » menus. In the opened window, select « SVN » and « Checkout Projects from SVN » and then push « Next ». Then give or reuse the SVN URL of the Cheddar osate 2 plugin, which is :

      http://beru.univ-brest.fr/svn/CHEDDAR/trunk/src/osate/osate2-plugin

Pushing « Next » again opens a window to select the folder where to put the source code. « Finish » creates the project and checkout the code.

6- To be compiled, the Cheddar OSATE2 plugin needs the Cheddar java binding as a jar file :
   – import the Cheddar java binding jar file into your Cheddar OSATE 2 plugin. To do so select your project. Then, by clicking on the right button select « Build Path » and « Configure Build Path ». In the opened window, you can add the Cheddar Jar file in the Cheddar OSATE plugin.
   – Copy from the Java project Cheddar the jar file and paste it in the OSATE Cheddar plugin. The jar file should appear bellow the META-INF folder

7- Finally, OSATE2 can be launched … and the Cheddar plugin also … from an AADL instance model of course.