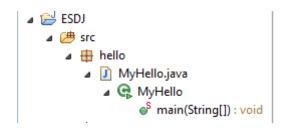# HVM on Eclipse

1. Download HVM plugin and icecapSDK.jar from ICELAB, http://www.icelab.dk/download.html.

2. Install the plugin in the Eclipse plugins directory.
   To function, the HVM plugin requires that CDT is installed.

3. Restart Eclipse from the command line with the -clean option.

4. Create a new project in Eclipse with a lib folder, where you put icecapSDK.jar.
   Add icecapSDK.jar to the Java Build Path in the project.

5. Create a folder (outside the project is recommended) for the generated C files.
   I have created C:\hso\Java\ESDJ\cout

6. Create your first application: MyHello.java in package hello.

7. Right-click on main

   Choose: Icecap tools -> Convert to Icecap Application

   The first time in the window 'Icecap tools dependency extent':

      Right-click on Dependency Extent -> Set output folder,
      and choose the created folder from above, C:\hso\Java\ESDJ\cout

   Also see the output in the Console window.

   From now, main -> Icecap tools -> Convert to Icecap Application , will put the
   Dependency Extent in this folder.

8. Add the path to the gcc compiler, e.g. C:\Cygwin\bin, to the path in the Environment Variables of
   the computer's System Properties.

9. Run Configurations
   Choose HVM POSIX Launcher:

      Name: MyHello
      Source folder: C:\hso\Java\ESDJ\cout, - the output folder from above
      Target architecture: 32 bit, Cygwin (my architecture).

   Apply and Run.