Developing Gcc plugins using eclipse

Prerequisites

1. Eclipse IDE , CDT plugin installed in eclipse
2. Built copy gcc 4.7.2

Import plugin template

1. Go to File->Import->C/C++->Existing code as Makefile Project.
2. Select Tool chain for indexer as Linux GCC.
3. Browse the location of existing code template.

Project settings

1. Run the following command in terminal : INSTALL/bin/g++ -print-file-name=plugin, where INSTALL is gcc 4.7.2 installation directory. Note the output.
2. In eclipse project explorer, right click project and go to properties->Paths and symbols->Includes->Gnu c++ ->Add. Add the url obtained in the previous step (url obtained on terminal). Check the 'Add to all languages' check box. Click Apply->Ok
3. Currently CDT plugin does not have support for reading out of .def files, hence the following symbols will be shown unresolved. But the build will be successful. `TV_INTEGRATION,PLUGIN_PASS_MANAGER_SETUP`

Building and running settings

1. Right click project in Project explorer and select Make target->create
2. Set name of target as 'test'.
3. To run the plugin, right click project in Project explorer and select Make target->build
4. Select target 'test'
5. Errors will be displayed in the console
6. Output will be usually dumped in a file.