Eclipse Initial Setup

Contents

Apex Embedded Systems
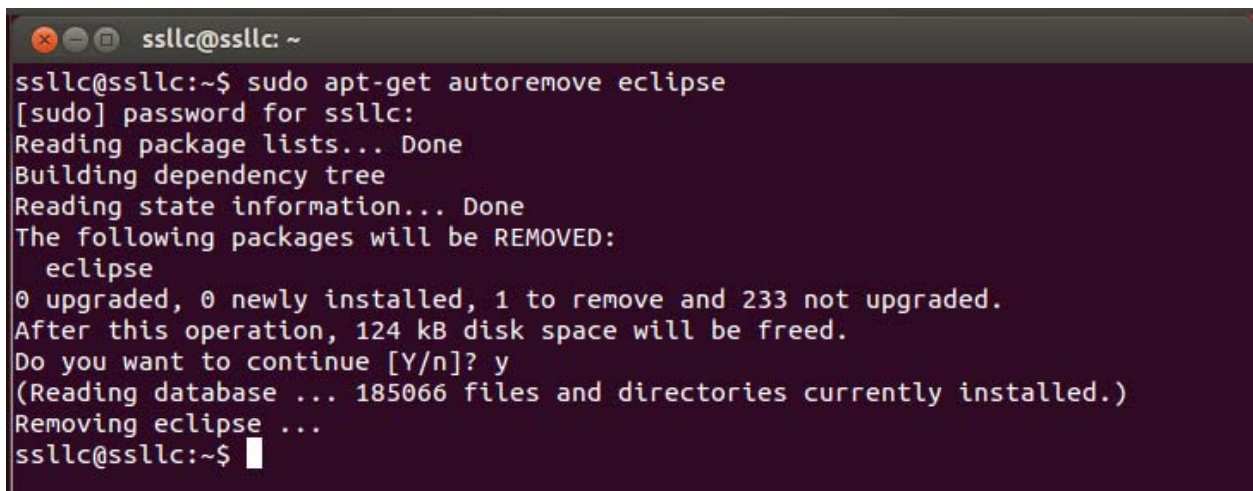
Apex Universal Library and Driver

Remove Eclipse

If Eclipse is installed, you can remove Eclipse along with it's dependancies by running the following commands. For more information:
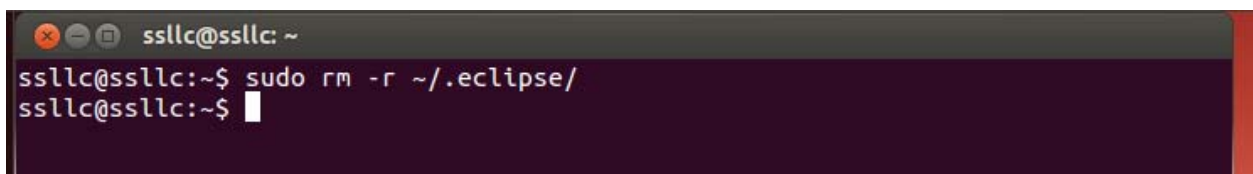
http://askubuntu.com/questions/282951/how-to-completely-uninstall-eclipse

1. sudo apt-get autoremove eclipse

when asked to continue enter y

2. sudo rm –r ~/.eclipse/

This will remove dependancies for Eclipse

Purge and Install Java 8

You can remove Java and install the latest version by running the following commands. For more information:

http://ubuntuhandbook.org/index.php/2013/07/install-oracle-java-6-7-8-on-ubuntu-13-10/

1. sudo apt-get purge openjdk

If you have it installed it will be removed. Otherwise, you will see a message that states: Unable to locate package openjdk

```
sssllc@ssllc: ~
ssllc@ssllc:~$ sudo apt-get purge openjdk
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package openjdk
ssllc@ssllc:~$
```

2. sudo add-apt-repository ppa:webupd8team/java

Hit [ENTER] to continue when prompted.

```
sssllc@ssllc: ~
ssllc@ssllc:~$ sudo add-apt-repository ppa:webupd8team/java
You are about to add the following PPA to your system:
 Oracle Java (JDK) Installer (automatically downloads and installs Oracle JDK6 /
 JDK7 / JDK8). There are no actual Java files in this PPA.

More info (and Ubuntu installation instructions):
- for Oracle Java 7: http://www.webupd8.org/2012/01/install-oracle-java-jdk-7-in
-ubuntu-via.html
- for Oracle Java 8: http://www.webupd8.org/2012/09/install-oracle-java-8-in-ubu
ntu-via-ppa.html

Debian installation instructions:
- Oracle Java 7: http://www.webupd8.org/2012/06/how-to-install-oracle-java-7-in-
debian.html
- Oracle Java 8: http://www.webupd8.org/2014/03/how-to-install-oracle-java-8-in-
debian.html
 More info: https://launchpad.net/~webupd8team/+archive/ubuntu/java
Press [ENTER] to continue or ctrl-c to cancel adding it

```

3. sudo apt-get update

This will take a few seconds and you should see something similar to below.

4. sudo apt-get install oracle-java8-installer

Install Latest Eclipse CDT

Downloads can be found here: http://www.eclipse.org/downloads/

More information can be found here:
http://ubuntuhandbook.org/index.php/2014/06/install-latest-eclipse-ubuntu-14-04/

1. Download the latest Eclipse IDE for C/C++ Developers. Pick your proper OS
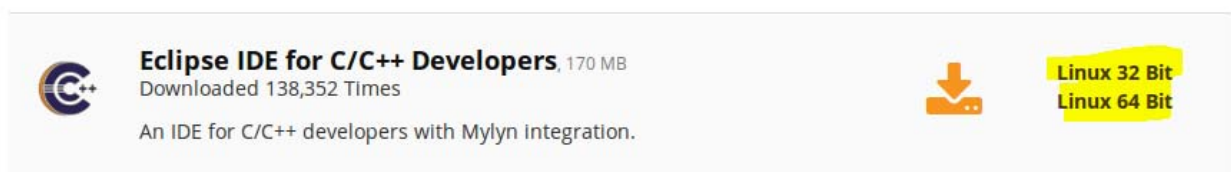
2. Select Save File and hit OK to continue

Opening eclipse-cpp-luna-SR1a-linux-gtk.tar.gz

You have chosen to open:

📦 eclipse-cpp-luna-SR1a-linux-gtk.tar.gz

which is: Gzip archive (170 MB)
from: http://mirror.cc.vt.edu

What should Firefox do with this file?

○ Open with   Archive Manager (default)   ▲▼

● Save File

☐ Do this automatically for files like this from now on.

Cancel   OK

3. Depending on your network connection, the download may take time.

4. When completed the tar file will be in your Downloads directory.

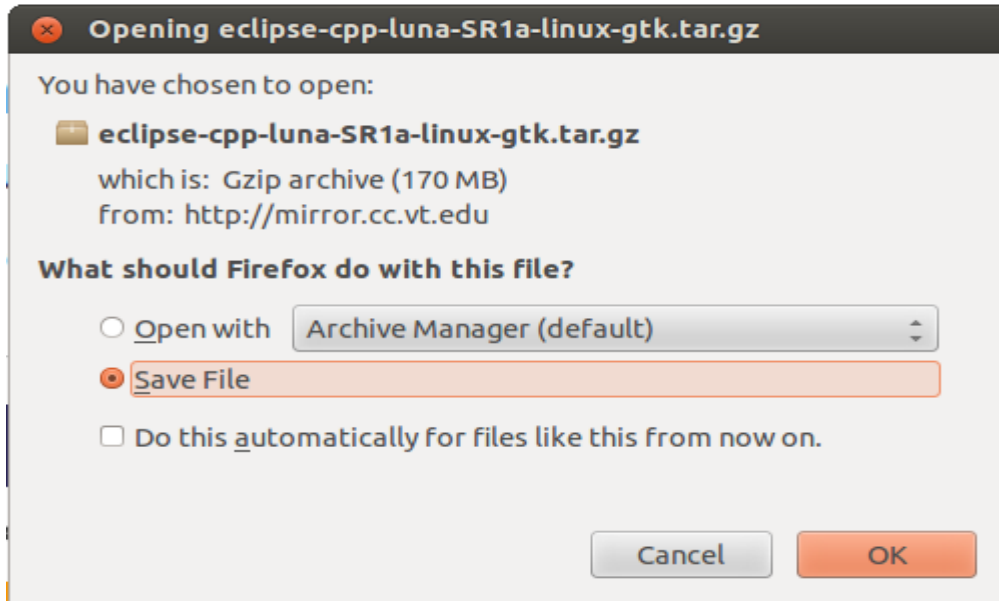5. sudo mv Downloads/eclipse-* /opt/
   This will move the eclipse tar to the opt directory

6. change to the opt directory with : cd /opt

7. sudo tar –xvf eclipse-cpp*
   When the Tar program finishes extracting you will see something similar to below

Se

```
ssllc@ssllc: /opt
eclipse/plugins/org.eclipse.ui.themes_1.0.1.v20140819-1717/css/high-contrast.css
eclipse/plugins/org.eclipse.ui.themes_1.0.1.v20140819-1717/css/e4_default_winxp_
blu.css
eclipse/plugins/org.eclipse.ui.themes_1.0.1.v20140819-1717/css/e4_default_winxp_
olv.css
eclipse/plugins/org.eclipse.ui.themes_1.0.1.v20140819-1717/plugin.xml
eclipse/plugins/org.eclipse.cdt.debug.ui.memory.floatingpoint_1.0.0.201409172108
.jar
eclipse/plugins/org.eclipse.jgit_3.4.2.201412180340-r.jar
eclipse/plugins/org.eclipse.linuxtools.cdt.autotools.core_2.0.0.201409172108.jar
eclipse/plugins/org.eclipse.equinox.p2.artifact.repository_1.1.300.v20131211-153
1.jar
eclipse/plugins/org.eclipse.ui_3.106.0.v20140812-1751.jar
eclipse/plugins/org.eclipse.ecf.provider.filetransfer.ssl_1.0.0.v20140827-1444.j
ar
eclipse/configuration/
eclipse/configuration/org.eclipse.equinox.simpleconfigurator/
eclipse/configuration/org.eclipse.equinox.simpleconfigurator/bundles.info
eclipse/configuration/org.eclipse.equinox.source/
eclipse/configuration/org.eclipse.equinox.source/source.info
eclipse/configuration/config.ini
eclipse/configuration/org.eclipse.update/
eclipse/configuration/org.eclipse.update/platform.xml
ssllc@ssllc:/opt$
```

8. Setup the desktop file for Eclipse, in the next several steps below.

9. Run: sudo gedit /usr/share/applications/eclipse.desktop
   Add following to the file

```
[Desktop Entry]
Name=Eclipse
Type=Application
Exec=/opt/eclipse/eclipse
Terminal=false
Icon=/opt/eclipse/icon.xpm
Comment=Integrated Development Environment
NoDisplay=false
Categories=Development;IDE;
Name[en]=eclipse.desktop
```

10. Add Eclipse to Unity.

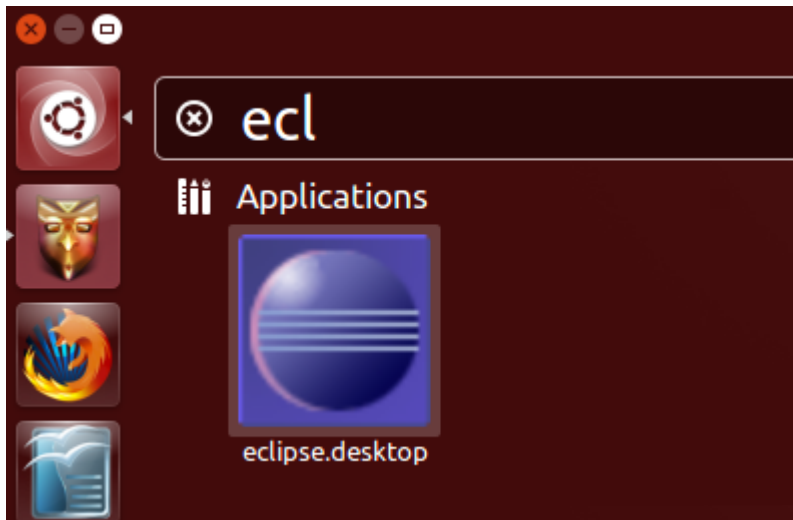11. sudo desktop-file-install /usr/share/applications/eclipse.desktop

12. Create symlink

```
cd /usr/local/bin/

sudo ln -s /opt/eclipse/eclipse
```

13. Add Eclipse display to dash

```
14.  sudo cp /opt/eclipse/icon.xpm /usr/share/pixmaps/eclipse.xpm
```
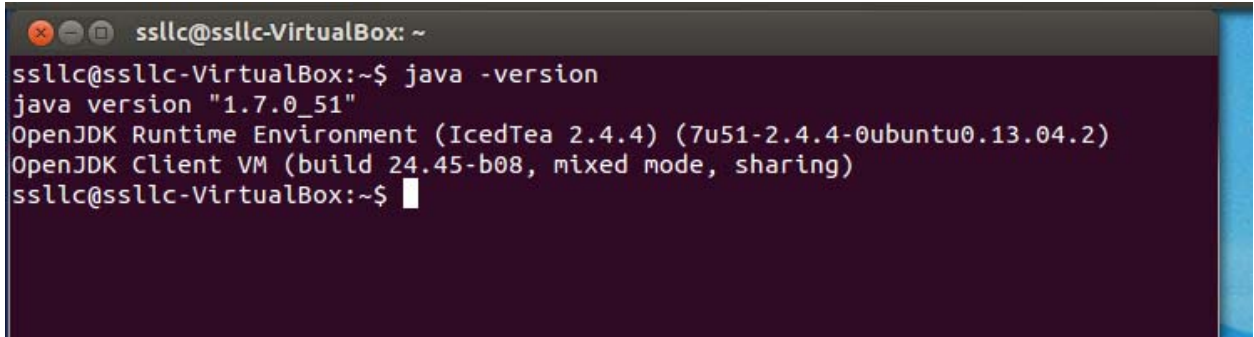
When this is completed, you will be able to run the newly installed Eclipse verson from dash as shown below.
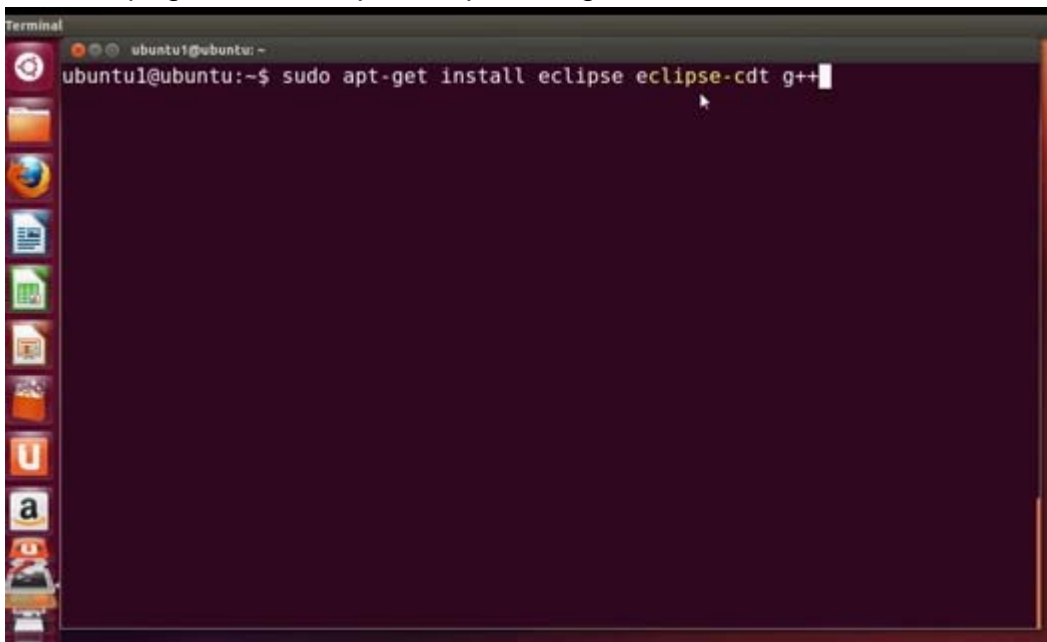
Install Eclipse CDT (old version)

Although the following does work, the latest version of Eclipse is not always installed. Please try the previous steps. Installing Eclipse CDT from the command line on Linux requires root password access.

1. Verify Java install by entering following command
   $ java –version

2. If Java is installed you will see output as above
3. If Java is not installed run following command
   $ sudo apt-get install default-jre
4. To install Eclipse CDT open a terminal and run the following command
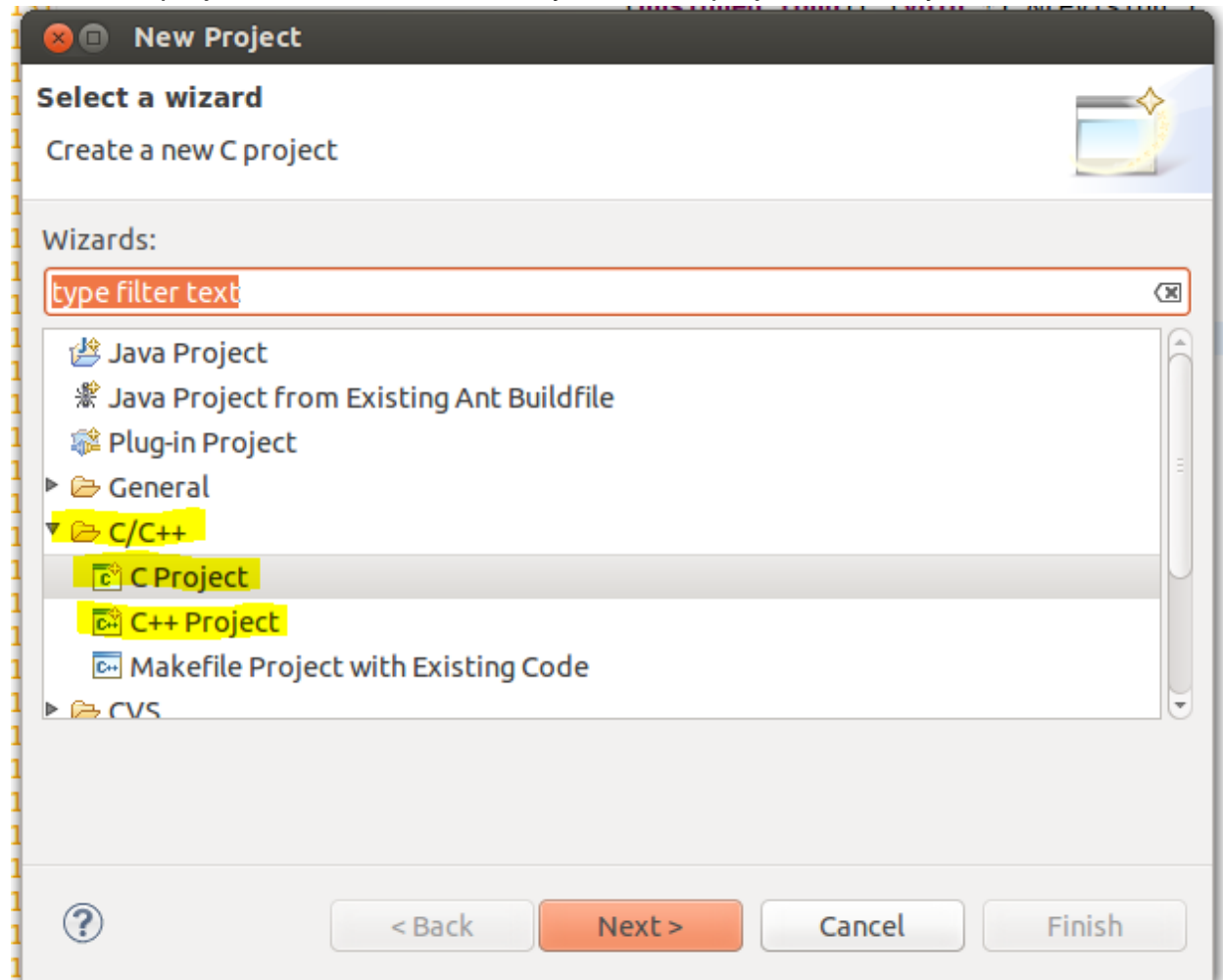 $ sudo apt-get install eclipse eclipse-cdt g++

5. To run Eclipse run the following command
   $ eclipse
6. You can verify CDT install by selecting File => New => Project
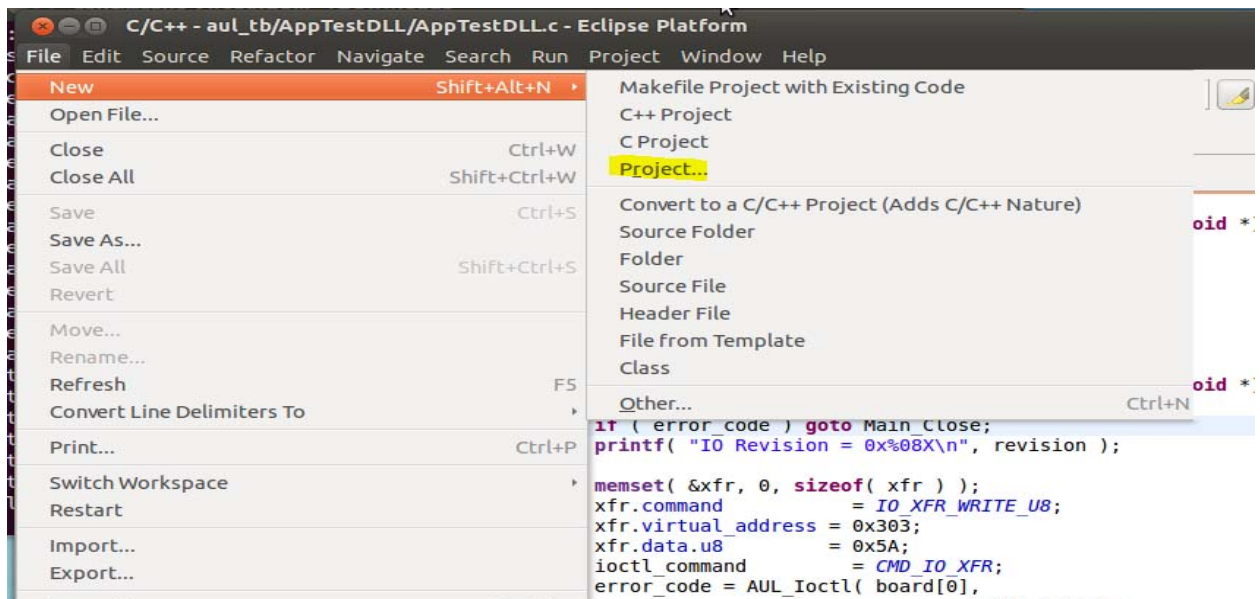
7. In the new project wizard, the availability of C/C++ project will verify CDT install.

8. Eclipse with CDT is successfully installed.