

Linux:*

Install Java 1.6 [[Download Java](#)]

- Note that some users have reported Eclipse troubles with Java 1.6.0_21, so we recommend you install Java 1.6.0_20 or earlier instead. As of August 23, 2010 the 'aptitude' repositories still use Java 1.6.0_20, so on Ubuntu and similar builds you can use the command
> **sudo apt-get install sun-java6-jre**
in the terminal to get the needed Java files. If you download from a website, make sure to choose the correct '(32/64)-bit' version that fits your system. Type the following at the terminal to confirm installation:
> **java -version**
- Only the JRE is required.

Install Eclipse 3.6 (Helios) for Linux [[Download Eclipse](#)]

- If you are unsure of which version fits your needs and hardware, you are probably best served by the 32-bit version of Eclipse classic 3.6.0 found [[Here](#)]. Check your hardware specifications to make sure you get the correct '(32/64)-bit' version.
- After you have downloaded the appropriate .tar.gz file, untar the “eclipse” folder to some directory. (From now on these instructions refer to the location where you installed eclipse as HELIOS = /directory/you/untarred/eclipse) For example, if you downloaded eclipse.tar.gz to ~/Downloads, then from the terminal the following commands would install eclipse to ~/eclipse:
> **cd ~/Downloads**
> **mv eclipse.tar.gz ~**
> **cd ~**
> **tar -xvzf eclipse.tar.gz**
- Open Eclipse by running HELIOS/eclipse. Continuing from above, the commands are:
> **cd ~/eclipse**
> **./eclipse**
- Change your workspace to the desired directory. We recommend keeping the default, or using some other directory where you do not need superuser permissions. All projects created in Eclipse will be subdirectories of the workspace directory.
- If this is the first time opening Eclipse, click the “Workbench” arrow in the upper right-hand corner.

Install the Orc plugin for Eclipse

- Open Eclipse
- Select **Help > Install New Software**
- In the window that appears, press the **Add...** button in the upper right corner
- In the window that appears, fill in the following and click **OK**:

Name: Orc Programming Language

Location: http://orc.csres.utexas.edu/eclipse_updates/

- The “Orc programming language” category should appear. You can either select all, or expand the category and select “Orc Eclipse plug-in”
- Continue to click **Next >**, then agree to the terms of the license agreement, then click **Finish**.
- Allow the installation of unsigned content when prompted by clicking **OK**.
- When installation is finished and a window appears, select **Restart Now**.
- Confirm installation by selecting **Window > Open Perspective > Other...** If Orc is in the listing, the plugin has been successfully installed.
- (recommended) In **Eclipse Preferences**, expand the **Install/Update** category, and select **Automatic Updates**. Select the checkbox labeled “Automatically find new updates and notify me”.

Create and run an Orc project

- Open Eclipse
- Select **File > New > Other... > New Orc Project**
- Name the project, select **Next >**, then select **Finish**.
- If prompted, allow Eclipse to open the Orc perspective.
- Right-click on the project folder, then select **New > New Orc File**
- In the window that appears, select the project folder as the parent folder, then type the desired name of the new file in the “File Name:” section. Click **Finish**.
- For testing purposes, under the comments in the new file type “1 | 2” (without the quotes)
- Click the **Run** button (white arrow in green circle). If prompted, save the changes to the file. The console output should be the following:
1
2
- To run Orc programs in the future, simply click the **Run** button. Note the Orc program must be in the active editor or highlighted in the active navigator.

* This guide was written using an Ubuntu build, some terminal commands may not work in other Linux operating systems. If any terminal commands fail and return “Permission Denied” errors, you can try and increase your permissions by adding “sudo” to the beginning of the command. These errors are likely based on the permissions of the installation directory you are using. See instructions above for recommended directories.