Cyclone - 1.0.5.642 (0584) Pre-release Manual

NOTE: This manual is for the pre-release version. The pre-release version is only for educational purpose and it does not contain full features of Cyclone.

1. Installation:

Make sure you have java (x64/x86) installed on your machine.

- **Windows**

    Open your windows terminal/powershell

    Switch your current path to your unzipped Cyclone folder.

    Run the following command:

    java -jar cyclone.jar <file>

    where <file> is cyclone source file you wish to compile and run.

- **Linux**

    Launch your terminal (Ctrl+Alt+T).

    You must set **LD_LIBRARY_PATH** to Cyclone folder for Linux. You can do it in the following way:

    export LD_LIBRARY_PATH=.

    then run the following command:

    java -jar cyclone.jar <file>

    where <file> is cyclone source file you wish to compile and run.

- **MacOS**

    Launch your terminal app (cmd+spacebar, type terminal).

You must set **DYLD_LIBRARY_PATH** to Cyclone folder for MacOS. You can do it in the following way:

export DYLD_LIBRARY_PATH=.

then run the following command:

java -jar cyclone.jar <file>

Note: On MacOS, you may see a security message about launch an app. You can change the settings and here is a link about the detailed steps.

2. Online Tutorial:

Cyclone has a dedicated website for online tutorial. Click here to see this tutorial.

3. Run Tutorial Examples:

All tutorial examples from online tutorial (Chapter 1 and Chapter2) are in the "examples" folder.

The following command gives you an example of running example 1 from chapter 1 (on Windows).

java -jar cyclone.jar .\examples\chapter1\example1.cyclone

For Linux and MacOS users, use "/" instead of "\" for the path to your cyclone specification.

4. Editor Support.

A sublime package is provided to support Cyclone syntax highlight for your sublime text editor. Click here to download this package.

To setup this package, please use the following steps:

In sublime text editor

Click '**Preferences -> Browse Packages…**' menu.

Brows up a folder and then into the '**Installed Packages**' folder (it should be under 'Sublime Text').

Copy 'Cyclone.sublime-package' into the '**Installed Packages**' folder.

Restart your sublime text editor.

5. Language Reference

For full language reference, please visit here.

6. Bug(s) Report

If you believe found a bug, please email us (haowu@cs.nuim.ie) or open an issue on GitHub. Note that to access Cyclone source code, please send us a request to haowu@cs.nuim.ie