

Getting Started

The Hour of Node web application can be accessed and used online (<http://hourofnode.org>) or it can be locally installed on a system.

Document's Purpose

This document explains the steps necessary for downloading, installing, configuring, and running The Hour of Node web-application locally.

Why install it locally?

Installing the web-app locally (as opposed to using it from hourofnode.org) allows you to make customized changes to the web-app and to design your own games via game description files.

So ... let's get the installation process started.

Supported Operating Systems

Any operating system that git, node.js, npm, and CoffeeScript supports should work for The Hour of Node project; as a locally installed web-application. Such common operating systems are:

- Apple Mac OS X
- Linux - Ubuntu, RedHat, Debian, etc.
- Microsoft Windows

Required Software/Modules (for administering The Hour of Node web-app)

- git
- node.js
- npm (Node Package Manager)
- +gulp
- +CoffeeScript
- +Reactive-Coffee
- +underscore

Notes:

* npm is now included with node.js' installer; installing node.js should install and configure npm on your system.

* Items marked by a '+' are npm modules and are installed with the npm command: `npm -install [module name]`

Installation Steps (Prerequisite Software/Utilities)

1.) Install Git

Download it from here: <http://git-scm.com/downloads>

2.) Install node.js

Download it from here: <http://nodejs.org/download/>

Installation Steps (The Hour of Node web-app)

3.) Download The Hour of Node web-application as a ZIP file

Download it from here: <https://github.com/TheSwanFactory/hourofnode/archive/master.zip>

Other downloading options are:

* Forking the project: "Fork" button on upper right of this page: <https://github.com/TheSwanFactory/hourofnode/>

* Use the "Clone in Desktop" button

4.) Launch a terminal

Mac OS: Utilities

Windows: CMD Prompt or CYGWIN

5.) Create a directory [on the partition] where you'd like The Hour of Node web-application to reside and be served-up from.

6.) Unzip the downloaded The Hour Of Node .zip file to that directory (Step 5)

The following steps will be done inside the terminal

7.) Install gulp (via npm)

→ `npm -g install gulp`

8.) Install CoffeeScript (via npm)

--> npm -g install coffee-script

9.) Install Reactive-Coffee (via npm)

--> npm -g install reactive-coffee

10.) Install the 'underscore' module (via npm)

--> npm install underscore

11.) You **may** need to download and unzip reactive-coffee from here:

<http://yang.github.io/reactive-coffee>

Either click the ".zip file" link (Windows), or click the ".tar.gz file" (Apple OS/UNIX) link

Unzip the zipped file's contents into the parent directory that contains The Hour of Node's install directory.

Unix Example:

If The Hour of Node web-app was unzipped into /opt/hourofnode

Then reactive-coffee's tar.gz file's contents should be gunzipped into: /opt/reactive-coffee

Windows Example:

If The Hour of Node web-app was unzipped into C:\temp\hourofnode

Then reactive-coffee's .zip file's contents should be unzipped into: C:\temp\reactive-coffee

12.) npm packages **may** need to be updated - try doing this if errors occur when attempting to serve-up The Hour of Node web-app with 'gulp'

--> npm update

Launching The Hour of Node web-app

In the terminal (or Windows CMD prompt):

1.) Change directory to the top directory where The Hour of Node resides

(i.e. Unix: /opt/hourofnode)

(i.e. Windows: C:\temp\hourofnode)

2.) Type the command: gulp

--> gulp

A successful start-up of The Hour of Node web-app should result in lines similar to these (in the terminal):

[20:09:00] Requiring external module coffee-script/register

[20:09:04] Using gulpfile c:\Temp\hourofnode\gulpfile.coffee

[20:09:04] Starting 'main'...

[20:09:04] Starting 'sync'...

[20:09:04] Finished 'sync' after 67 ms

[20:09:04] Starting 'watch'...

[20:09:04] Finished 'watch' after 55 ms

[BS] Local URL: http://localhost:3000

[BS] Serving files from: web

[BS] Watching files...

[BS] File changed: c:\Temp\hourofnode\web\main.js

[20:09:06] Finished 'main' after 2.57 s

[20:09:06] Starting 'default'...

[20:09:06] Finished 'default' after 8.55 µs

And a web browser should pop-up displaying the local instance of The Hour of Node web-app.

For Windows systems, the web-app is automatically served-up at:

<http://localhost:3000>

Wrapping Up - And Other Useful Info

Microsoft Windows - Detailed Instructions

For **detailed instructions** of installing The Hour of Node web-app on **Microsoft Windows** systems please see this document: ##TODO

- include link to document out on the WordPress site##

User's Guide

The Hour of Node User's Guide can be found here:

##TODO - include link to the User's Guide document##

For further information, be sure to checkout our various websites:

- <http://hourofnode.org>
- <http://theswanfactory.wordpress.com>
- <https://www.facebook.com/HourOfNode>
- <https://twitter.com/theswanfactory>
- <https://www.youtube.com/user/AwesomeStuffBadly>
- <https://github.com/TheSwanFactory>
- <https://github.com/TheSwanFactory/hourofnode>

Happy Hour-of-Noding :-)