

## Installation Instructions

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](http://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 OS X
- Linux - Ubuntu, RedHat, Debian, etc.
- Microsoft Windows

### Required Software/Modules

(for administering The Hour of Node web-app)

- git
- node.js
- npm
  - gulp
  - CoffeeScript
  - Reactive-Coffee
  - underscore.js

*\* Notes \**

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

\* Items under npm are modules 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/>  
*Note:* MS Windows installs: a reboot of the system is required, after installing node.js, for *npm* to be accessible via the CMD prompt.

## Installation Steps (The Hour of Node web-app)

1. Download and install The Hour of Node project  
We recommend doing this as a Git clone:

```
--> git clone https://github.com/TheSwanFactory/hourofnode.git
```

2. Launch a terminal
  - Mac OS: Utilities
  - Windows: CMD Prompt or CYGWIN
3. Install npm

```
--> npm install
```

#### 4. Install gulp

```
--> npm -g install gulp
```

## 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

```
<ul>
<li>(i.e. Unix: /opt/hourofnode)</li>
<li>(i.e. Windows: C:\temp\hourofnode)<br />
```

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.

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 go this link to view the WordPress blog post:

<http://theswanfactory.com/2014/12/06/installation-instructions-ms-windows/>

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 :-)