

Building web applications with Node.JS

During our Workshop we will learn about Node.js and how to build a simple web application using Express, Pug (Jade) and MongoDB

In order to get the most out of the Workshop, you should prepare by brushing up on your JavaScript and pre-installing Node.js latest and MongoDB community.

On Mac OS X, you can easily install them both using Homebrew:

```
brew install nodejs mongodb
```

```
sudo mkdir -p /data/db
```

```
sudo chown -R $USER /data/db
```

Linux should be similar, with any of the major package managers.

On Windows grab the installers from the Node.js and MongoDB websites below. For MongoDB I recommend doing a custom installation and installing it to somewhere convenient like C:\mongodb After the installation run:

```
md %data%\db
```

Please make sure your MongoDB installation works by running `mongod` in one window and `mongo` in another. `mongod` should report that it's waiting for connection, and `mongo` will connect and open a shell.

You don't have to be a JavaScript expert, but a basic understanding of functions, variables, objects, scope and objects would definitely help.

JavaScript Resources and Download Links:

- A Reintroduction to JavaScript https://developer.mozilla.org/en-US/docs/Web/JavaScript/A_re-introduction_to_JavaScript
- Eloquent JavaScript <http://eloquentjavascript.net/>
- Node.js <https://nodejs.org>
- MongoDB <https://www.mongodb.com/download-center?jmp=nav#community>