

Andrew Marcinkevičius

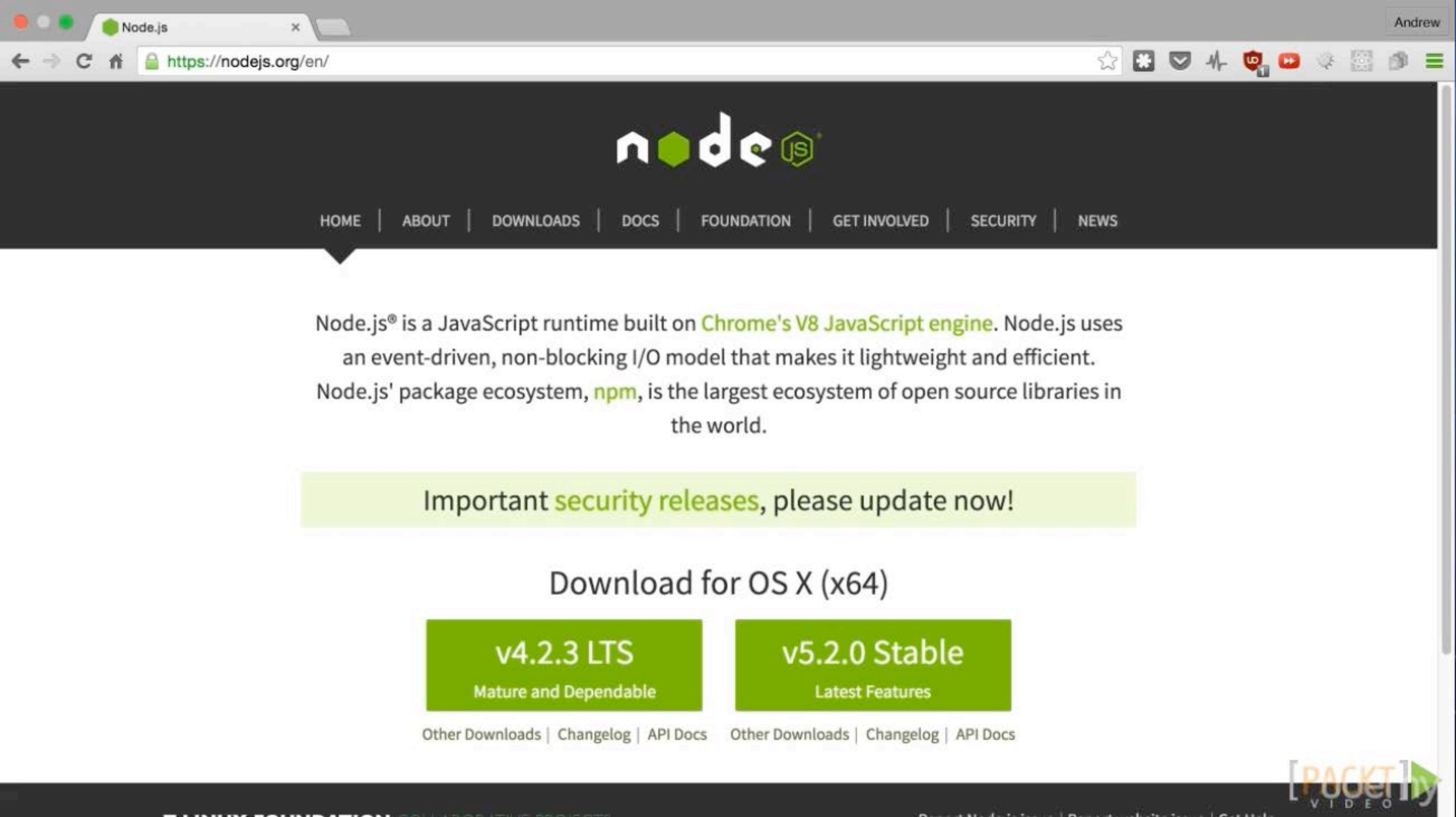
Video 1.4

## *Setting Up Your Environment*



In this Video, we are going to take a look at...

- Installing Node.js
- Alternatives to installing
- Installing nodemon



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Node.js® is a JavaScript runtime built on [Chrome's V8 JavaScript engine](#). Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, [npm](#), is the largest ecosystem of open source libraries in the world.

Important [security releases](#), please update now!

Download for OS X (x64)

**v4.2.3 LTS**

Mature and Dependable

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**v5.2.0 Stable**

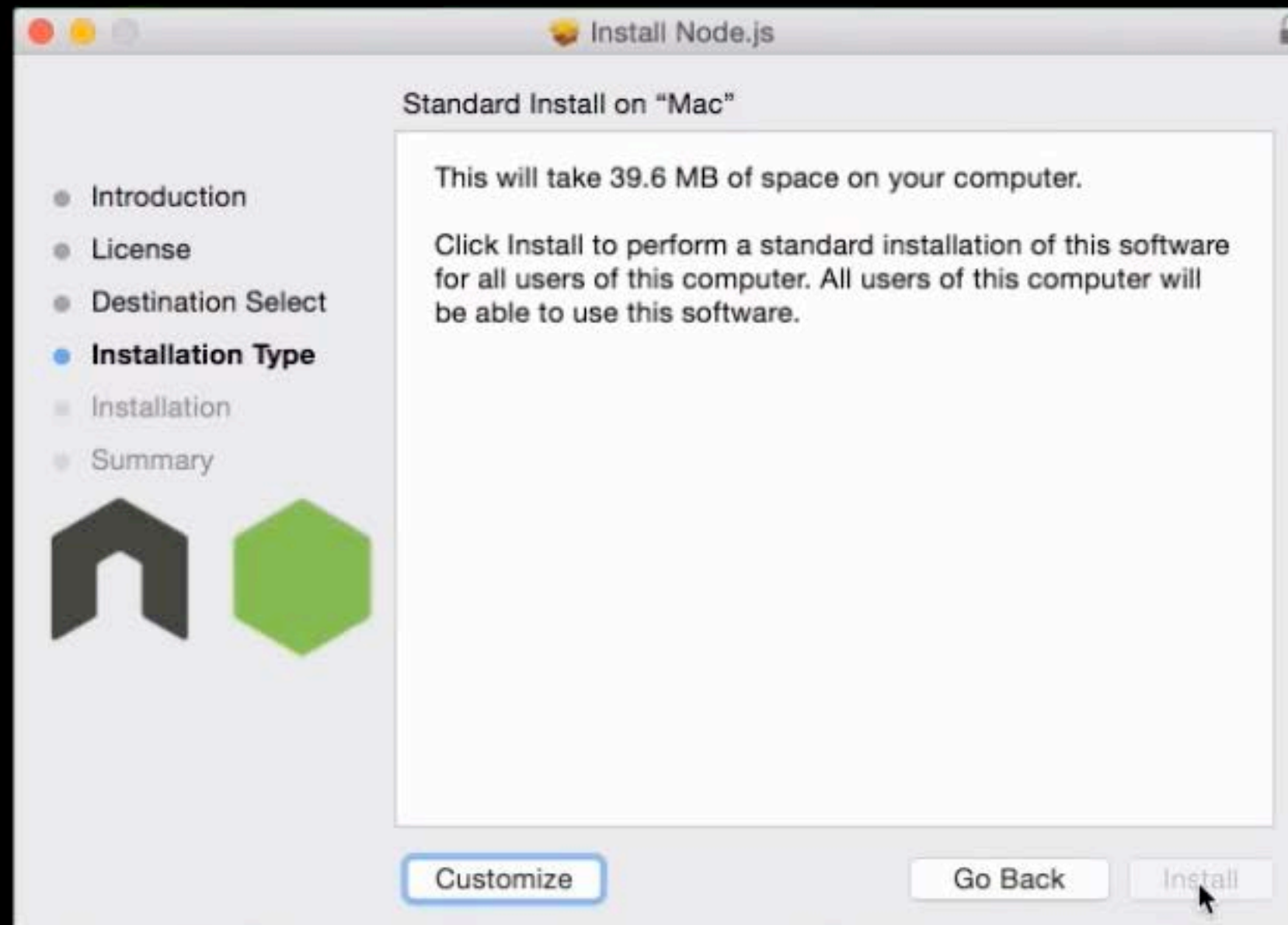
Latest Features

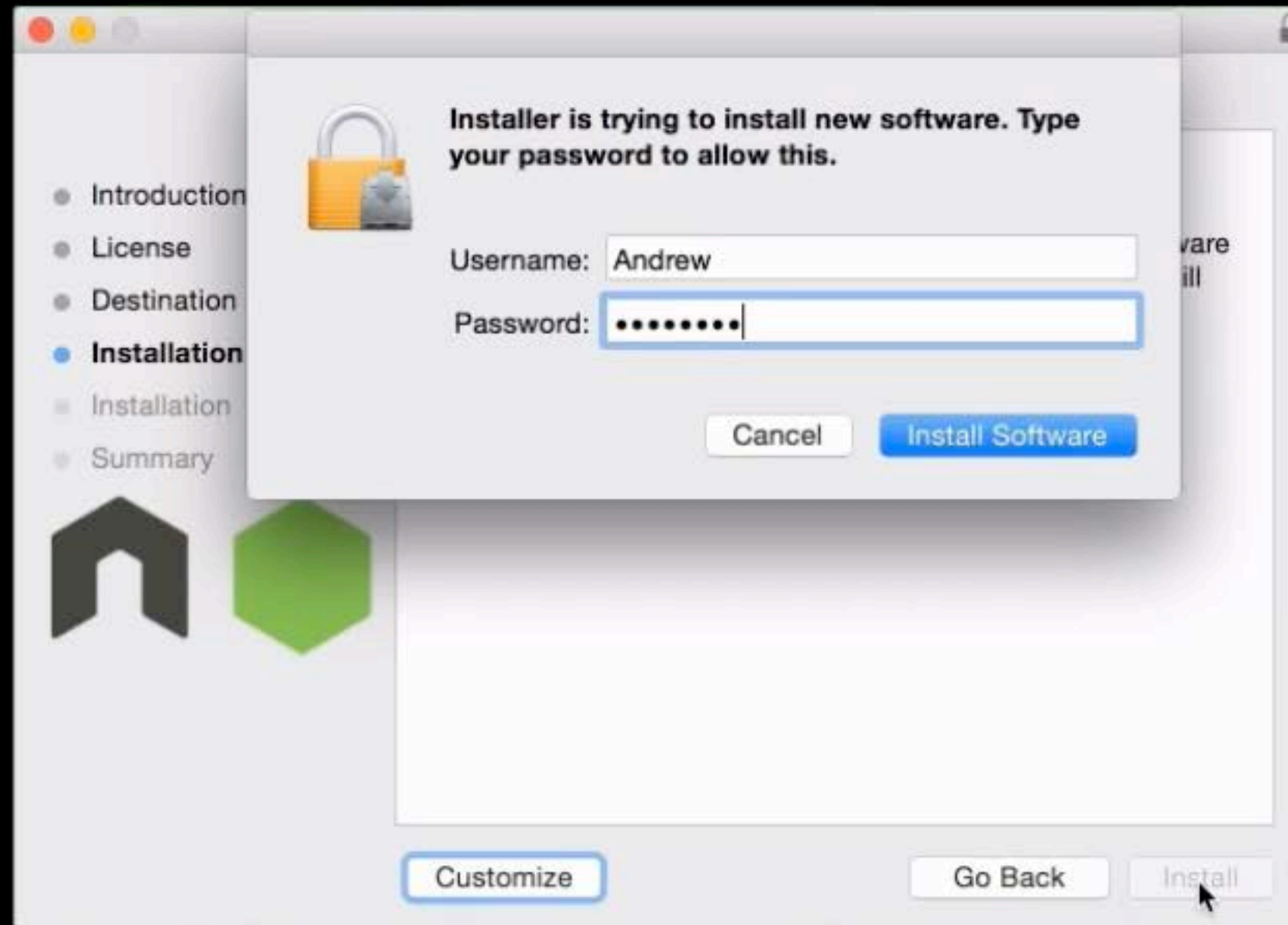
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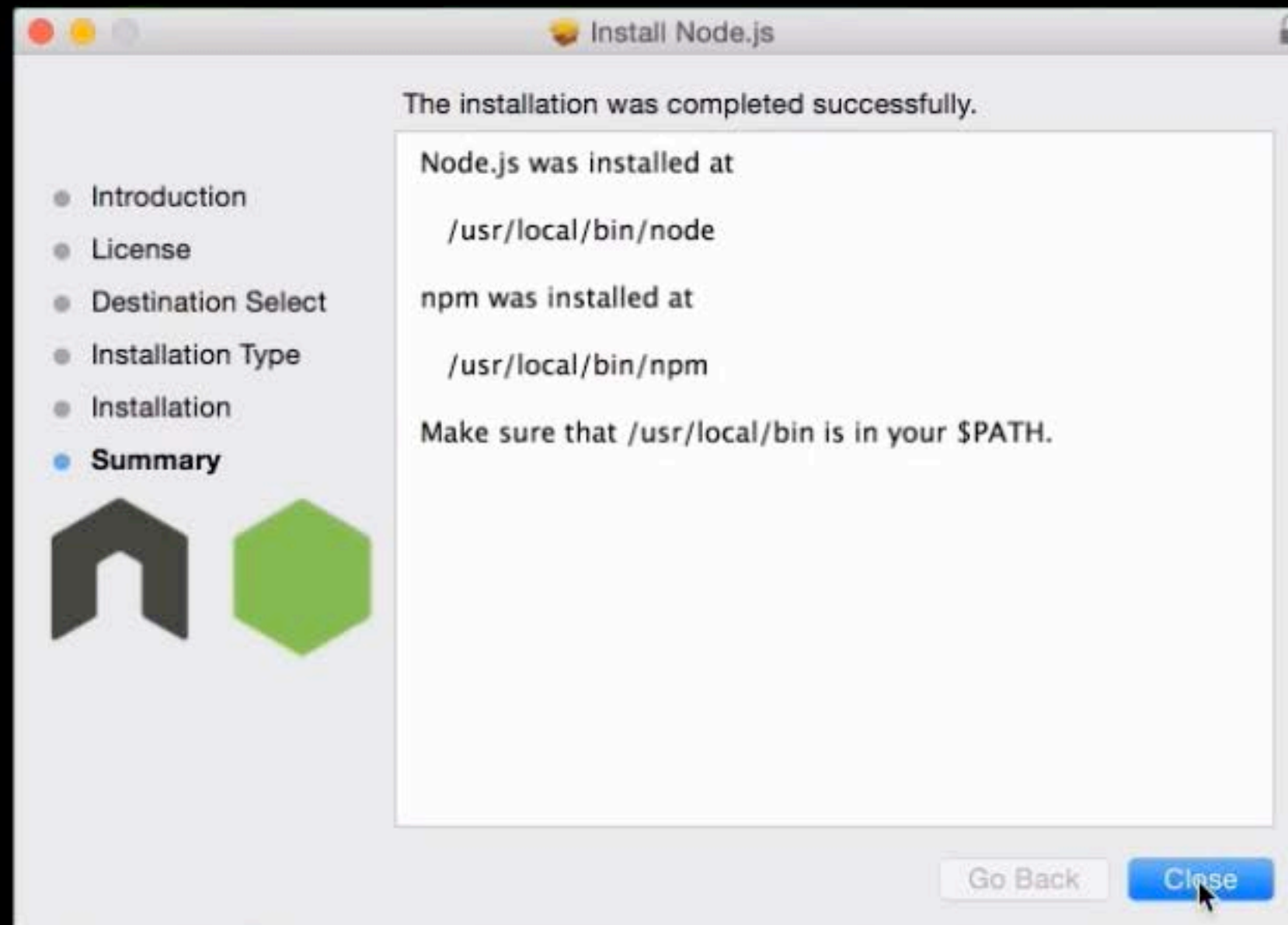














```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course on master [!?]
```

```
$ export PATH="/usr/local/bin:$PATH"
```

```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course on master [!?]
```

```
$ █
```

```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course on master [!?]
```

```
$ node -v
```

```
v5.2.0
```

```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course on master [!?]
```

```
$ █
```

# Alternatives to Installing Node.js

- Use package manager
- Vagrant
- Docker
- Cloud hosting
- Ansible, Puppet, Chef, and IT automation software



# How to use MongoDB & NodeJS with Docker (video included)

January 9, 2015

This is the short intro on how to use spin up MongoDB and NodeJS containers using Docker. This will take you step by step on how to run those containers, some problems you might run into, how to avoid some pitfalls. After it you will have enough experience on working with Docker, MongoDB & NodeJS. It will provide enough foundation to use those technologies and will give a head start if you will want to learn more. Initial intent was to use it for MongoDB course from MongoDBUniversity, but it was reworked for general use. Part of the tutorial will provide tips on how to use it with the mentioned course.

~~A few months ago a friend mentioned a MongoDB course from MongoDBUniversity, which sounded like a lot of fun so of course I enrolled into it. It started a few days ago and it's a lot of fun. As I like to keep my OS clean the Docker looked like a great solution (one of the reasons I like it, just do something and throw it away after you're done, just like with cloud computing). This way I could take three rabbits with one shot learning MongoDB, Node.js and Docker at the same time.~~

```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]
```

```
$ node 01-nodemon.js
```

```
Server is listening
```

```
^C
```

```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]
```

```
$ node 01-nodemon.js
```



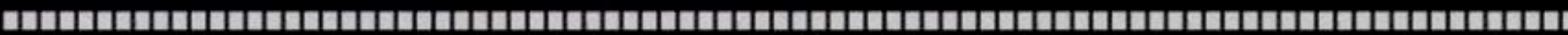
```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]  
$ node 01-nodemon.js  
Server is listening  
^C
```

```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]  
$ node 01-nodemon.js  
Server is listening  
█
```



```
- isarray@0.0.1 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/readable-stream/node_modules/isarray
- string_decoder@0.10.31 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/readable-stream/node_modules/string_decoder
- readable-stream@1.0.33 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/readable-stream
- rimraf@2.2.8 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/rimraf
- fstream@0.1.31 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/fstream
- fstream-ignore@0.0.7 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/fstream-ignore
- inherits@2.0.1 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/tar/node_modules/inherits
- block-stream@0.0.8 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/tar/node_modules/block-stream
- tar@0.1.20 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/tar
- uid-number@0.0.3 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack/node_modules/uid-number
- tar-pack@2.0.0 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar-pack
- graceful-fs@4.1.2 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar/node_modules/fstream/node_modules/graceful-fs
- inherits@2.0.1 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar/node_modules/inherits
- fstream@1.0.8 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar/node_modules/fstream
- block-stream@0.0.8 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar/node_modules/block-stream
- tar@2.2.1 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp/node_modules/tar
- node-pre-gyp@0.6.17 node_modules/nodemon/node_modules/fsevents/node_modules/node-pre-gyp
- lodash._baseflatten@3.1.4 node_modules/nodemon/node_modules/lodash._baseflatten
- lodash.flatten@3.0.2 node_modules/nodemon/node_modules/lodash.flatten
- is-glob@1.1.3 node_modules/nodemon/node_modules/micromatch/node_modules/is-glob
```

runTopLevelLifecycles



```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]
```

```
$ npm install -g nodemon
```



ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]

\$ █

## FOLDERS

- ▼ code
  - ▼ 1
    - ▶ 1.3
    - ▼ 1.4
      - 01-nodemon.js
    - ▶ 1.5
  - ▶ 2
  - ▶ 3
  - ▶ 4
  - ▶ 5
  - ▶ 6
  - ▶ 7
  - ▶ 8
  - export-environment-variables.sh
  - ▶ scripts

01-nodemon.js

```
1 'use strict';
2
3 let http = require('http');
4
5 http.createServer(function (request, response) {
6     response.writeHead(200);
7     response.end('Hello World');
8 }).listen(3000);
9
10 console.log('Server is listening');
11
```



ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]

\$ nodemon 01-nodemon.js

[nodemon] 1.8.1

[nodemon] to restart at any time, enter `rs`

[nodemon] watching: \*.\*

[nodemon] starting `node 01-nodemon.js`

Server is listening

[nodemon] restarting due to changes...

[nodemon] starting `node 01-nodemon.js`

Server is listening!

[nodemon] restarting due to changes...

[nodemon] starting `node 01-nodemon.js`

Server is listening!

█

ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/1/1.4 on master [!]

```
$ nodemon 01-nodemon.js
```

```
[nodemon] 1.8.1
```

```
[nodemon] to restart at any time, enter `rs`
```

```
[nodemon] watching: *.*
```

```
[nodemon] starting `node 01-nodemon.js`
```

```
Server is listening
```

```
[nodemon] restarting due to changes...
```

```
[nodemon] starting `node 01-nodemon.js`
```

```
Server is listening!
```

```
[nodemon] restarting due to changes...
```

```
[nodemon] starting `node 01-nodemon.js`
```

```
Server is listening!
```

```
█
```

Next Video

Hello Workout