

Node as a Web API

Angle Brackets

Code

- Node Basics

<https://github.com/samartioli/node-basics>

- Node as a Web API

<https://github.com/samartioli/node-web-api>

01 Basic Server

<https://github.com/samartioli/node-web-api#01-basic-server>

- Basic HTTP Server is the Node.js Hello World
- Requires One Internal Module (http)

Express

<http://expressjs.com/4x/api.html>

- “Fast, unopinionated, minimalist web framework”
- Routing, Request, Response
- Everything else is middleware

02 Express

<https://github.com/samartioli/node-web-api#02-express>

- Easily change response types
- Handles routing

03 CRUD

<https://github.com/samartioli/node-web-api#03-crud>

- Create Read Update Delete
- Build our first module!

04 MongoDB

<https://github.com/samartioli/node-web-api#04-mongodb>

- Use Mongoose ODM

<http://mongoosejs.com/docs/index.html>

- scalable
- Now atomic with \$isolated

<http://docs.mongodb.org/manual/core/write-operations-atomicity/>

05 Request

<https://github.com/samartioli/node-web-api#05-request>

- Proxy to other servers
- Use forever module to run extra servers

06 Async

<https://github.com/samartioli/node-web-api#06-async>

- Hit multiple servers simultaneously?
- Aggregate data
- async error callback

07 Non Blocking

<https://github.com/samartioli/node-web-api#07-non-blocking>

- When using async, our server can still serve requests
- make cat and dog service 10secs

08 Redis

<https://github.com/samartioli/node-web-api#08-redis>

- Setting /cats/:id to be 10 seconds delay
- Cache cat objects in redis

09 Auth

<https://github.com/samartioli/node-web-api#09-auth>

- Autoloading modules.
- Authorization and JWT
- Administration