ExpressJS

Building a Web Service

About me

I am a Software Engineer that loves to learn new and better ways of being a Software Engineer.

I just began my journey into DevOps and seem to be taking a lot of interest in Infrastructure as Code.

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Our Goal Today

- To create a web service with a few route and which
  Interact with an external data source to read and write data

- Explore some core concepts such as routing, environment variables
  middleware's and unit testing

- QUESTIONS (if any)

Getting All Setup

- Install Nodejs - https://nodejs.org/en/download/
- Install NPM - $npm install -g npm
- Install Express generator - $npm install express-generator -g to quickly create an application skeleton
- Checkout the juntos projects https://github.com/madjava/tr-unconf-express-2018.git

What is NodeJS

Node.js is a very powerful JavaScript-based framework/platform built on Google Chrome's JavaScript V8 Engine.

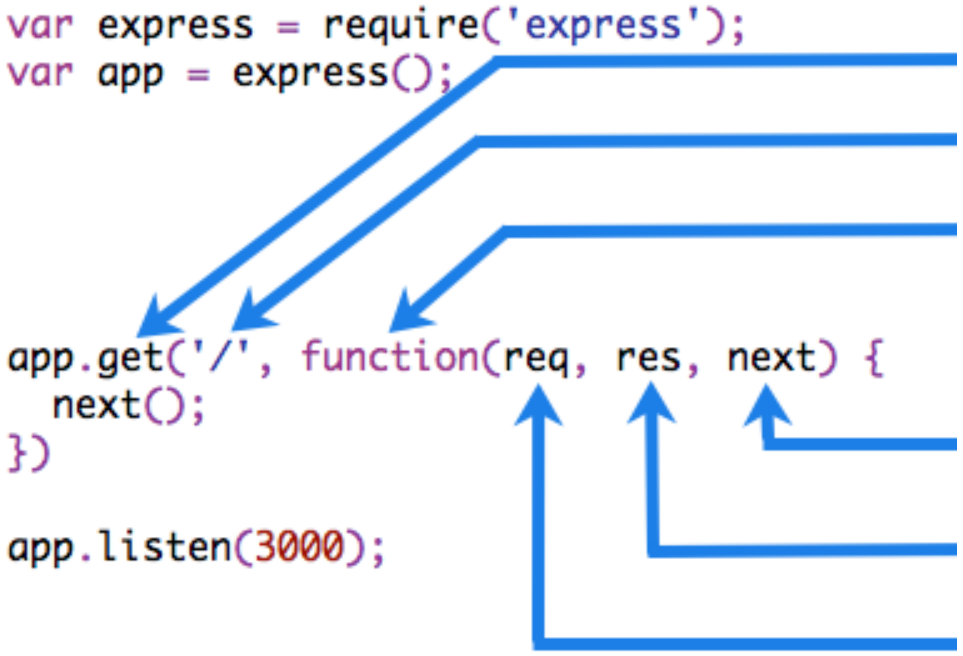
It is used to develop I/O intensive web applications like video streaming sites, single-page applications, and other web applications. It is also used to developing other types of applications not just web applications.

Node.js is open source, completely free, and used by thousands of developers around the world.

What is ExpressJS

Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.

It’s a very helpful tool when putting together a web application and helps hide the complexities sometimes associated with web application development



Hands-On

Checkout project if not already done so
In your terminal, run $ npm install from root folder
In your terminal, run $ DEBUG=juntos:* npm start
Navigate to http://localhost:3000/juntos

Routing
- Simple routes
- Organizing routes

About middleware

Environment Variables

Interfacing with a data store (source external mysql)

Environment variables using .env file

Storing data

About Template engines

Unit Testing

Questions