NODE.JS GLOBAL

DEPLOY AND TOOLS

JULY, 2018

AGENDA

- Development tools
  - Eslint
  - Prettier
  - Nodemon
- Install
  - NVM
- Demonizing the application
  - Forever
  - PM2
  - Docker
- Logging
  - Winston
  - Bunyan

DEVELOPMENT TOOLS. ESLINT

- Discover problems in code without executing
- Rules are pluggable
- Airbnb Style Guide
- Available in npm

https://eslint.org/

DEVELOPMENT TOOLS. PRETTIER

- Code formatter
- Few options
- Integrates with most editors
- Saves time

https://prettier.io/

DEVELOPMENT TOOLS. NODEMON

Nodemon is a utility that will monitor for any changes in your source and automatically

restart your server

https://nodemon.io/

- Composing HTTP requests (headers, auth, data)

- Automated testing with collections of requests

- Mock specific server data

- History logging

- API monitoring

https://www.getpostman.com

DEVELOPMENT TOOLS. FIDDLER

- Request proxying

- Traffic recording (save log with whole requests/responses data)

- Composing HTTP requests (headers, auth, data)

- Performance, security testing

- Customizable free tool

https://www.telerik.com/fiddler

- Node version manager
- CLI

https://github.com/creationix/nvm

NVM

INSTALL AND DEPLOY. DOCKER

Docker allows you to package an application with all of its dependencies into a

standardized unit, called a container, for software development. A container is a

stripped-to-basics version of a Linux operating system.

https://www.docker.com/

DEMONIZING THE APP. FOREVER

Forever is a simple command-line interface tool for ensuring that a given script runs continuously (forever). Forever's simple interface makes it ideal for running smaller deployments of Node.js apps and scripts.

https://github.com/foreverjs/forever

DEMONIZING THE APP. PM2

PM2 is a production process manager for Node.js applications, that has a built-in load balancer. PM2 allows you to keep applications alive forever and reload them without downtime, and will facilitate common system admin tasks. PM2 also enables you to manage application logging, monitoring, and clustering.

https://github.com/Unitech/pm2

LOGGING. WINSTON

Winston is designed to be a simple and universal logging library.

https://github.com/winstonjs/winston

LOGGING. BUNYAN

Bunyan is a simple and fast JSON logging library for node.js services

https://github.com/trentm/node-bunyan

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