DEPLOY DOCUMENT – FLIDE

# OVERVIEW

Flide project is a online slideshow Single Page App written in NodeJS and MongoDB. This document guides how to set up and run the Flide Project on server.

# Prerequisite software:

* NodeJS (version 0.12.6): NodeJs is a platform built on Chrome's JavaScript runtime for easily building fast, scalable network applications. In this project, nodejs has the role as server.
* MongoDB (version 3.0.4): NOSQL database for storing the data.
* In order to run this website, we need some dependencies modules running in node for live and dev
  + Live dependencies:

"body-parser": "~1.5.0",

"composable-middleware": "^0.3.0",

"compression": "~1.0.1",

"connect-mongo": "^0.4.1",

"cookie-parser": "~1.0.1",

"ejs": "~0.8.4",

"errorhandler": "~1.0.0",

"express": "~4.0.0",

"express-jwt": "^0.1.3",

"express-session": "~1.0.2",

"grunt": "^0.4.5",

"lodash": "~2.4.1",

"method-override": "~1.0.0",

"mongoose": "~3.8.8",

"morgan": "~1.0.0",

"passport": "~0.2.0",

"passport-facebook": "latest",

"passport-google-oauth": "latest",

"passport-local": "~0.1.6",

"passport-twitter": "latest",

"serve-favicon": "~2.0.1"

* + Dev dependencies:

"grunt": "^0.4.5",

"grunt-angular-templates": "^0.5.4",

"grunt-asset-injector": "^0.1.0",

"grunt-autoprefixer": "~0.7.2",

"grunt-build-control": "DaftMonk/grunt-build-control",

"grunt-concurrent": "~0.5.0",

"grunt-contrib-clean": "~0.5.0",

"grunt-contrib-concat": "~0.4.0",

"grunt-contrib-copy": "~0.5.0",

"grunt-contrib-cssmin": "~0.9.0",

"grunt-contrib-htmlmin": "~0.2.0",

"grunt-contrib-imagemin": "~0.7.1",

"grunt-contrib-jshint": "~0.10.0",

"grunt-contrib-less": "^0.11.0",

"grunt-contrib-uglify": "~0.4.0",

"grunt-contrib-watch": "~0.6.1",

"grunt-dom-munger": "^3.4.0",

"grunt-env": "~0.4.1",

"grunt-express-server": "~0.4.17",

"grunt-google-cdn": "~0.4.0",

"grunt-karma": "~0.8.2",

"grunt-mocha-test": "~0.10.2",

"grunt-newer": "~0.7.0",

"grunt-ng-annotate": "^0.2.3",

"grunt-node-inspector": "~0.1.5",

"grunt-nodemon": "~0.2.0",

"grunt-open": "~0.2.3",

"grunt-protractor-runner": "^1.1.0",

"grunt-rev": "~0.1.0",

"grunt-svgmin": "~0.4.0",

"grunt-usemin": "~2.1.1",

"grunt-wiredep": "~1.8.0",

"jit-grunt": "^0.5.0",

"jshint-stylish": "~0.1.5",

"karma": "~0.12.9",

"karma-chrome-launcher": "~0.1.3",

"karma-coffee-preprocessor": "~0.2.1",

"karma-firefox-launcher": "~0.1.3",

"karma-html2js-preprocessor": "~0.1.0",

"karma-jade-preprocessor": "0.0.11",

"karma-jasmine": "~0.1.5",

"karma-ng-html2js-preprocessor": "~0.1.0",

"karma-ng-jade2js-preprocessor": "^0.1.2",

"karma-ng-scenario": "~0.1.0",

"karma-phantomjs-launcher": "~0.1.4",

"karma-requirejs": "~0.2.1",

"karma-script-launcher": "~0.1.0",

"multer": "^0.1.8",

"time-grunt": "~0.3.1".

* Bower: a client package manager:
  + Live dependencies:

"angular": ">=1.2.\*",

"es5-shim": "~3.0.1",

"jquery": "~1.11.0",

"bootstrap": "~3.1.1",

"angular-resource": ">=1.2.\*",

"angular-cookies": ">=1.2.\*",

"angular-sanitize": ">=1.2.\*",

"angular-bootstrap": "~0.11.0",

"font-awesome": ">=4.1.0",

"lodash": "~2.4.1",

"angular-ui-router": "~0.2.10",

"angular-perfect-scrollbar": "~0.0.4"

* + Dev dependencies:

"angular-mocks": ">=1.2.\*",

"angular-scenario": ">=1.2.\*"

# Installation and configuration of the database software

Once the Mongo software is downloaded and installed (these instructions assume that you have installed MongoDB to C:\mongodb).

Set up the MongoDB environment:

* Locate to the drive C.
* Create new data folder in drive C: C:\data\db
* Open a Command Prompt and write these line into command prompt:

***Cd C:\***

***Cd mongodb\bin***

***mongod.exe***

* This will start the mongo database and the data will be store in the folder: *C:\data\db\<your database>*
* Keep this Command Prompt running and open another CMD.

# Installation and configuration of the Node

One the NodeJS software is downloaded and installed (these instruction assume that you have installed NodeJS with the default setting in C:\nodejs).

Set up the NodeJS environment:

* Assume that you have saved the project in the drive C: C:\Flide
* Open a Command Prompt and write the following lines:

***Cd C:\***

***Cd Flide\src***

* Install all dependencies for node by writing this command in CMD:

***npm install***

* Install bower for node by writing this command in CMD.

***npm install –g bower***

* Install all dependencies for bower by writing this command in CMD:

***bower install***

* Install multer (a third-party for saving image to server) by writing this command in CMD:

***npm install multer –save-dev***

* Install nodemon (a third-party for starting nodejs and automatically start server when there is changes on server) by writing this command in CMD

***npm install -g nodemon***

* Start the website by writing this command in CMD:

***nodemon server\app.js***

# RUN THE WEBSITE:

* Keep the command prompt starting the MongoDB and NodeJS run.
* If you have shutdown or restart the server. You can start the website again by open running again the MongoDB first and then the NodeJS by writing these command line in two CMDs: (All the command lines assume that you have install the MongoDB in *C:\mongodb* and Flide in *C:\Flide*)

CMD1:

***Cd C:\***

***Cd mongodb\bin***

***Cd mongod***

CMD2:

***Cd C:\***

***Cd Flide\src***

***nodemon server\app.js***

* After this point, this web has run and can be launched by browsing to the address:

<http://localhost:9000>

* The data is saved and can be found in this folder:

*C:\data\db.*