Deployment Guide

WIKI Application

**Pre-considerations**:

* Development Environment is Windows
* Production Environment is Ubuntu.

**1. Build prerequisites**

Before you try to build, make sure you have the correct tools, and have configured these tools correctly.

* 1. Setup
* Make sure you have installed Node.js command prompt for windows.
* For development you can use any one of the IDE(s) from WebStorm, Eclipse or IntelliJ.
* For accessing database you can use phpmyadmin or MySQL workbench or mysql command prompt.
* For deployment you can use “winscp” to connect to server and push the code.
* To connect to server from command prompt and access the code and configurations, you need to install “putty”.
  1. Get the source code
  + Download the source code from below URL to your local project directory say ‘wiki’:

[https://github.com/hemantpurkar/wiki](https://github.com/hemantpurkar/wiki.git)

* + Open Node.js command prompt and go to your local project directory say ‘wiki’. Execute below command to install required packages :

npm install

* + In MySQL server, create a database called ‘wiki’ and import a ‘wiki.sql’ file from /wiki/sql/ directory. You can import this using any MySQL tool (as mentioned above) or MySQL command prompt.
  + Get the 32 or 64 bit binary version of “wkhtmltopdf” module as per your system OS from below URL:

<http://wkhtmltopdf.org/downloads.html>

* + Install the downloaded binary version

**2. Build Configuration**

Configure the build using below steps:

* In /wiki/config/config.js file, change the environment as per requirement.
  + For development, make sure “environment” variable has value “development”.
  + For Production, make sure “environment” variable has value “production”.
* Also, you need to make sure the database server details are correct for the required environment.
* For email, go to “/wiki/lib/email.js” file and change the email server and authentication details as required.
* If port 3000 is already being used, you have to change the port number at line no. 80 in /wiki/app.js file. For ex.
  + *server.listen(3030);*
* Copy the installed path of “wkhtmltopdf” binary file and paste it into the */wiki/config/config.js* for variable “wkhtmltopdf\_binPath”.

**3. Building and running (Local):**

* Start MySQL services from mysql command prompt or using MySQL workbench.
* Start Node server: In Node.js command prompt go to your local project directory say “wiki” and execute below command:

node app.js

* Running the application: Go to browser and put below URL to start the application:

<http://localhost:3000/>

(Make sure port number in URL is same as you have mentioned in /wiki/app.js)

**4. Deploying the code (Production):**

* Commit your running and tested code with necessary comments to github using your IDE or git bash.
* Using ‘winscp’, connect to the production server. You need to enter required server credentials.
* Go to project directory in both server and client window in winscp. Make sure both are in sync.
* Drag and drop your updated or required files from client to server window in winscp. This will push your code to server.
* Once all code is pushed to the server, connect to production server using putty with necessary credentials.
* From putty or mysql workbench start the mysql services.
* In putty, go to the server project directory and start the node server as

node app.js

* Finally, run your application from browser using below URL:

http://<IP address>:<port no>/