AWS Deployment User Guide

Versioning History

Date	Changes Made	Done By
24/08/2017	1. Introduction 2. Prepare production codes 3. Deployment to AWS S3 (front-end) 4. Deployment to Tomcat Server (Back-end)	Sheryl Chong
29/08/2017	1. Updated prepare codes for front end for aws s3 connection for admin-portal	Sheryl Chong
20/11/2017	1. Putty connection 2. Database connection 3. Run Create and Insert Statement in Database	Sheryl Chong
21/11/2017	1. Added Developer Installation steps	Ong Yi Xuan

Table of Contents

Introduction

This document will guide you on how to deploy our application codes to the AWS Server. We will be deploying the front-end codes to the S3 server and back-end codes to Tomcat server.

Installation

1. Install your preferred IDE (recommended: Visual Studios)
2. Install node.js: https://nodejs.org/en/download/
3. Open a command prompt and run the following command in the legit app folder
    a. npm install -g @angular/cli
    b. npm install
    c. npm start

Prepare Production Codes

Front-end codes – legit-app

1. Navigate to the config.component.ts file in legit-app / admin-portal folder
2. Change the environment to production

```
//change environment
let env = 'production';
```

3. Save the file
4. Open CMD / Terminal at Visual Code Studio
5. Change directory to our project folder (legit-app / admin-portal)
6. Enter "ng build –prod –aot=false"

```
C:\Users\Sheryl\Desktop\FYP\app\legit-app>ng build --prod --aot=false
Your global Angular CLI version (1.1.3) is greater than your local
version (1.1.2). The local Angular CLI version is used.
```

7. After the code run successfully, a dist file will be created.

Front-end codes – admin-portal

1. Navigate to the config.component.ts file in legit-app / admin-portal folder
2. Change the environment to production

```
//change environment
let env = 'production';
```

3. Navigate to pattern-details-add.component.ts in the pattern-details-add folder
4. Add the access key in 2 parameters (AWSService.config.accessKeyId , AWSService.config.secretAccessKey)

```
AWSService.config.accessKeyId = '';
AWSService.config.update({ region: 'us-west-2' });
AWSService.config.secretAccessKey = '';
```

5. Save the files

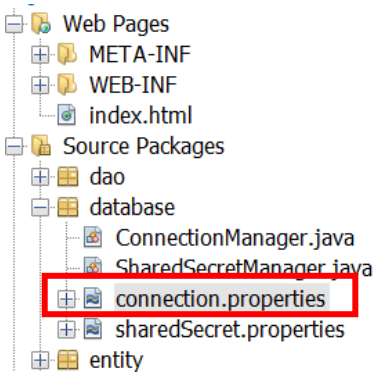
6. Open CMD / Terminal at Visual Code Studio
7. Change directory to our project folder (legit-app / admin-portal)
8. Enter "ng build –prod –aot=false"

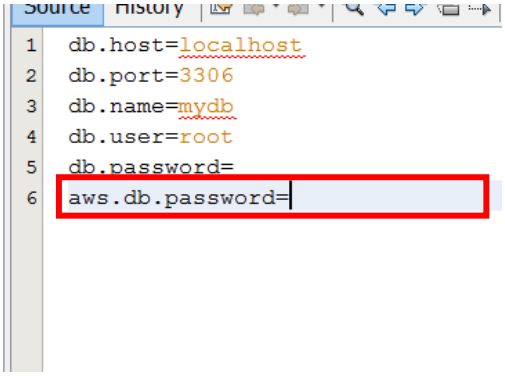
```
C:\Users\Sheryl\Desktop\FYP\app\legit-app>ng build --prod --aot=false
Your global Angular CLI version (1.1.3) is greater than your local
version (1.1.2). The local Angular CLI version is used.
```

9. After the code run successfully, a dist file will be created.

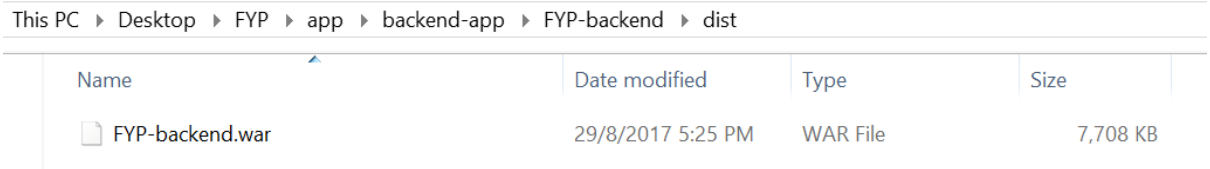
Back-end codes

1. Start your NetBeans
2. Open our backend NetBeans project
3. Insert aws db password in the backend
    a. Expand Source Packages
    b. Expand database
    c. Click on "connection.properties"
    d. Key in the access key for "aws.db.password"
    e. Save the file





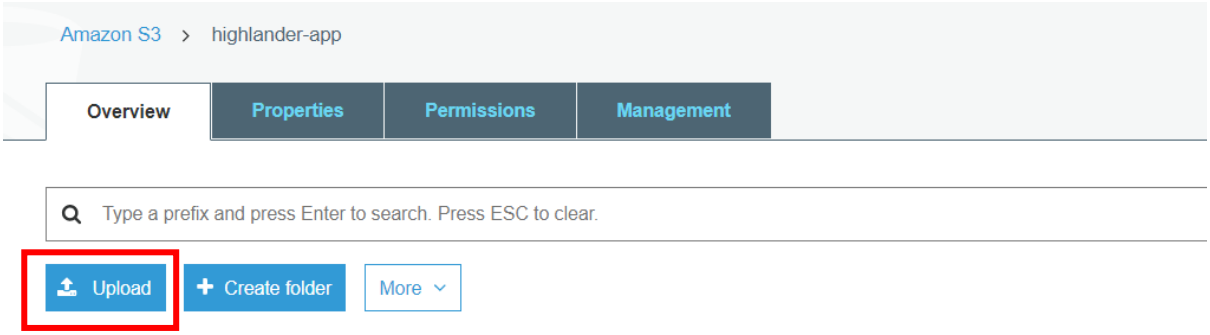
4. Click on "Clean and Build"
5. Click on "Run Project"
6. A dist folder will be created. In the dist folder, a war file is created as well.



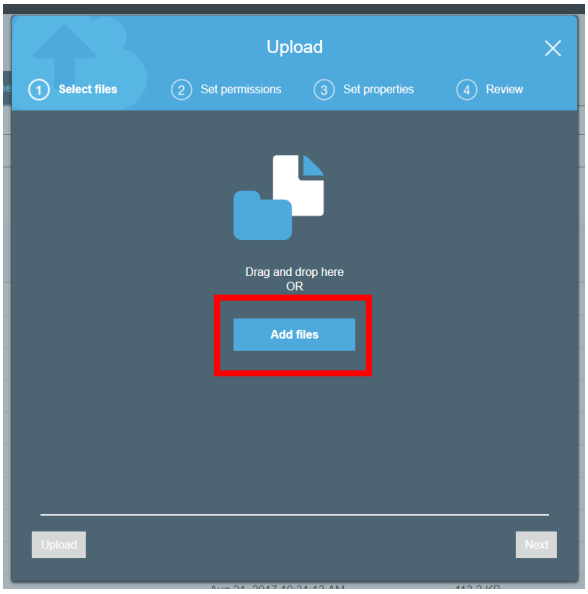
Deploying the codes

Front-end

1. Login to AWS account
2. Click on “Service” at the top left-hand corner
3. Click on “S3” to navigate to S3 service
4. Click on “highlander-app” if you are deploying the front-end for the ecommerce website. Click on “highlander-admin” if you are deploying the front-end for the admin portal.
5. Click on upload button



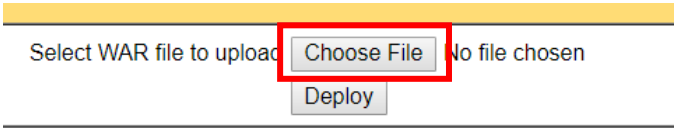
6. Click on add files button



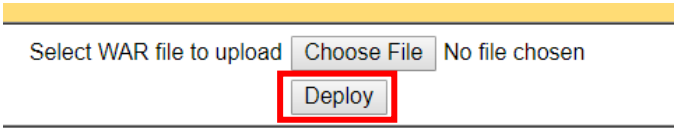
7. Navigate to dist folder of legit-app/admin-portal Click on open button
8. Select all the files and click on open button
9. Click on upload button
10. Click on the assets folder in the s3 folder
11. Click on the image subfolder
12. Click on upload button
13. Navigate to dist folder of legit-app/admin-portal and click on the asset folder
14. Select all the files and click on open button
15. Click on upload button
16. All the files required for deployment are uploaded!

Back-end

1. Go to EC2 URL provided by the group
2. Enter the username and password
3. Click on “Undeploy” for FYP-backend
4. Deploy the new war file
    a. Click on “choose file”



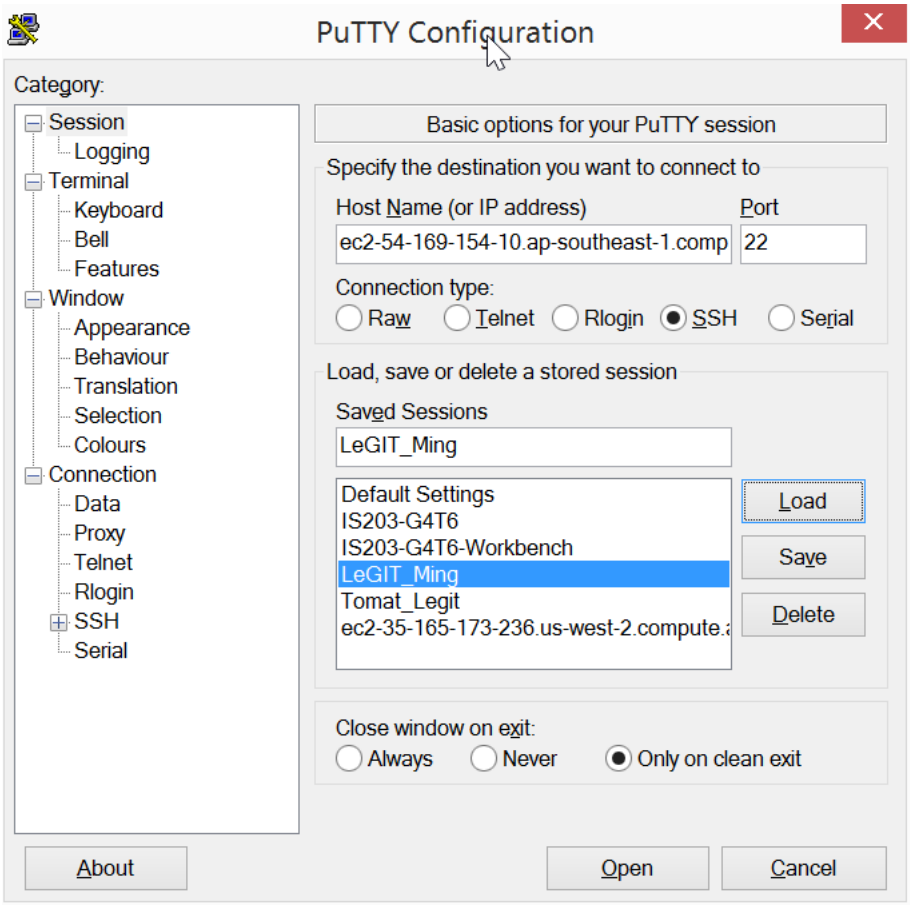
    b. Select the war file in the dist folder of the FYP-backend
    c. Click on open button
    d. Click on deploy button



Database Connection

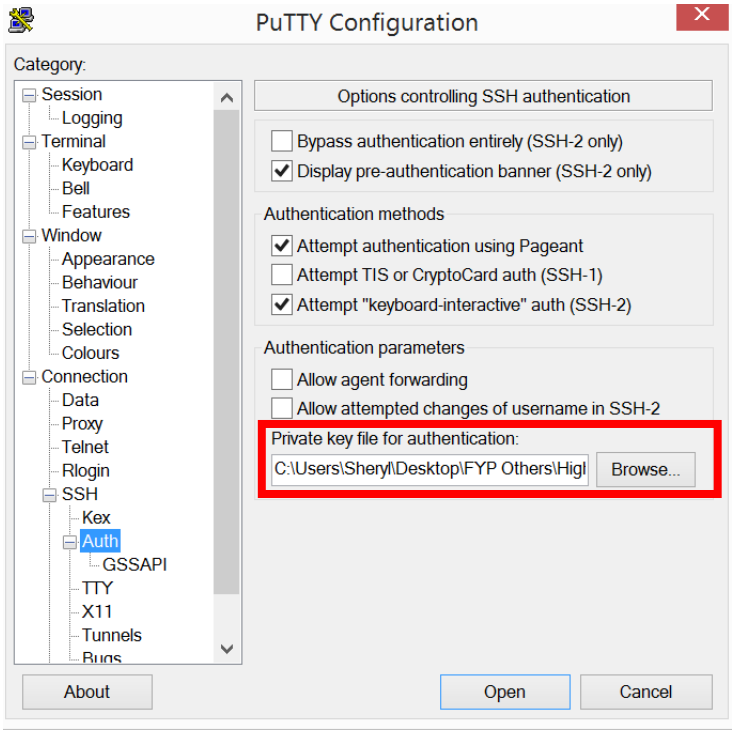
Connection to database via putty

1. Run putty.exe
2. Key in the following details

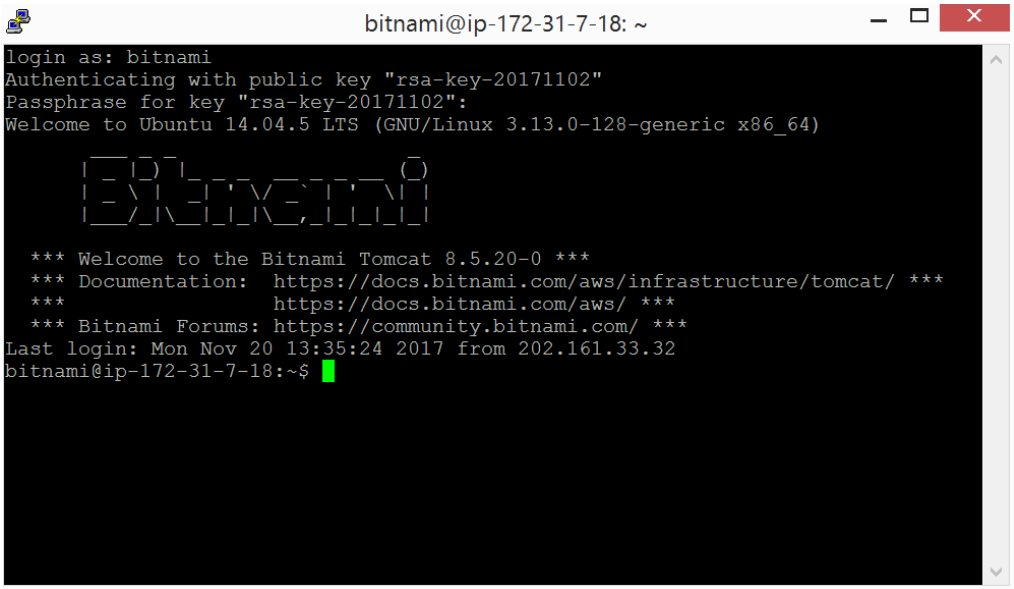


Field Name	**Data that you need to input**
Host Name	Public DNS (IPv4) from AWS ec2-54-169-154-10.ap-southeast-1.compute.amazonaws.com
Port	22
Connection Type	SSH

3. Insert public key for authentication



4. Click on “open”
5. A window will pop up
    a. Login as : bitnami
    b. Passphrase: h1ghlander



Navigating to Server’s database

1. after connecting to the server via putty, access the server’s database via http://localhost:8888/phpmyadmin/
2. key in the details to login
    a. username: **root**
    b. password: **bMgMY5PcnByK**
3. click on “mydb” at the left-hand side

Running create and insert statement

1. After navigating to the database
2. click on “Import” at the top navigation bar
3. choose your file to import for the server to run the SQL statement