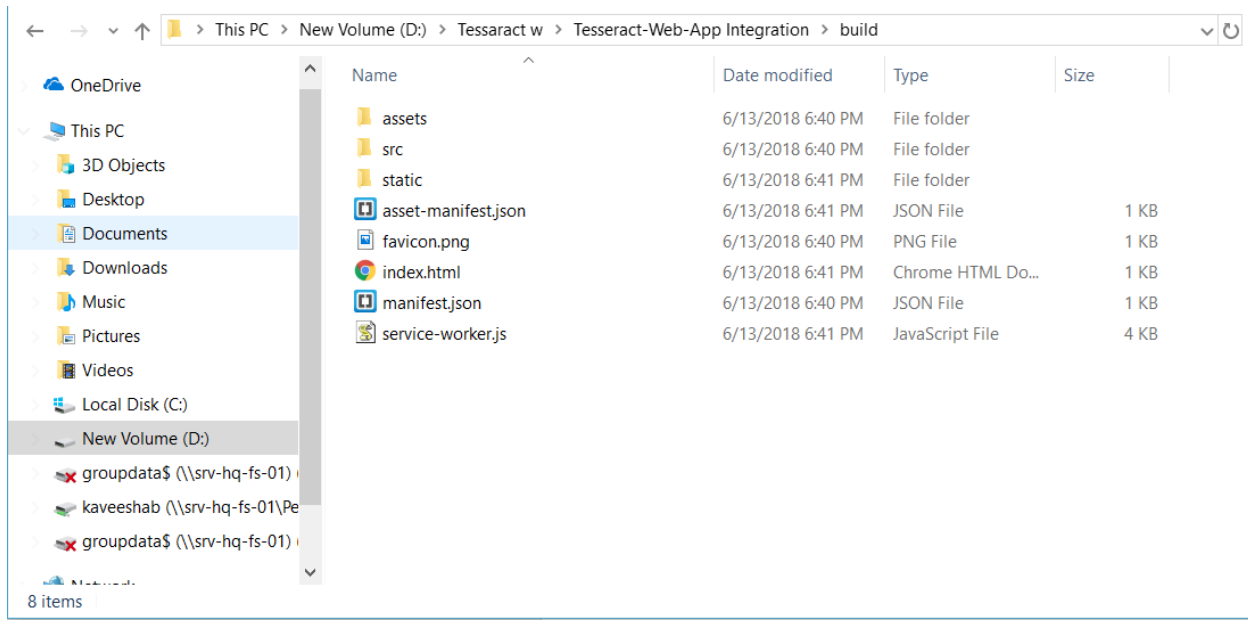


## Create Build Component of React Project

Run **npm run-script build** in the project directory.

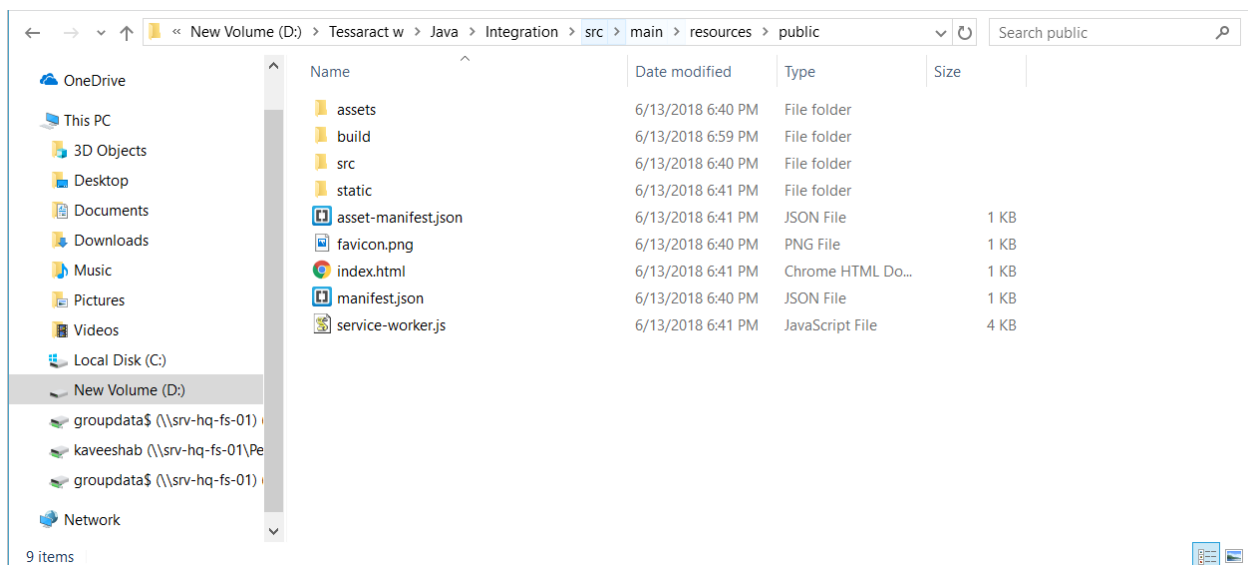
It will create **build** folder in the project directory with build files



Now You have build version of React project

## Add build react directory in to Java project

1. Create a directory called **public** in **\src\main\resources** directory.
2. Add React project's build folder's content in to that folder.



3. Create Controller Class named **Index.java** add following code base. Controller class should be inside **<project folder>\src\main\java\com\<GroupName>** directory

```
package <packageName>;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
```

```
@Controller
```

```
public class Index {

    @RequestMapping("/")
    String index(){
        return "index.html";
    }
}
```

4. Update application.properties file if it is need to change runnino port. Add following line.

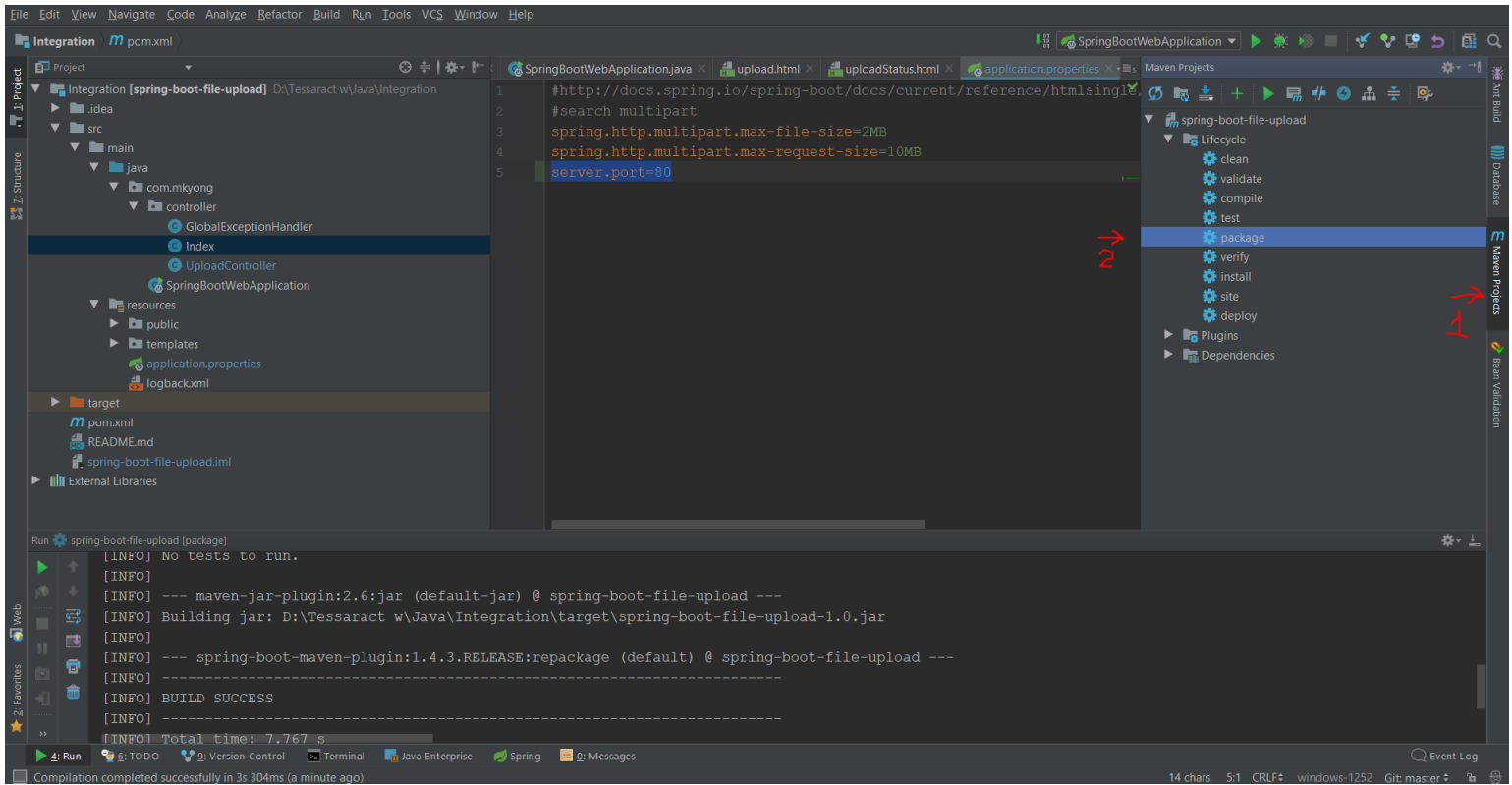
```
server.port=80
```

5. Run java application and go localhost on browser to view web application.

## Create Jar file of java project

Create Jar file using IDE.

Double click on package label.

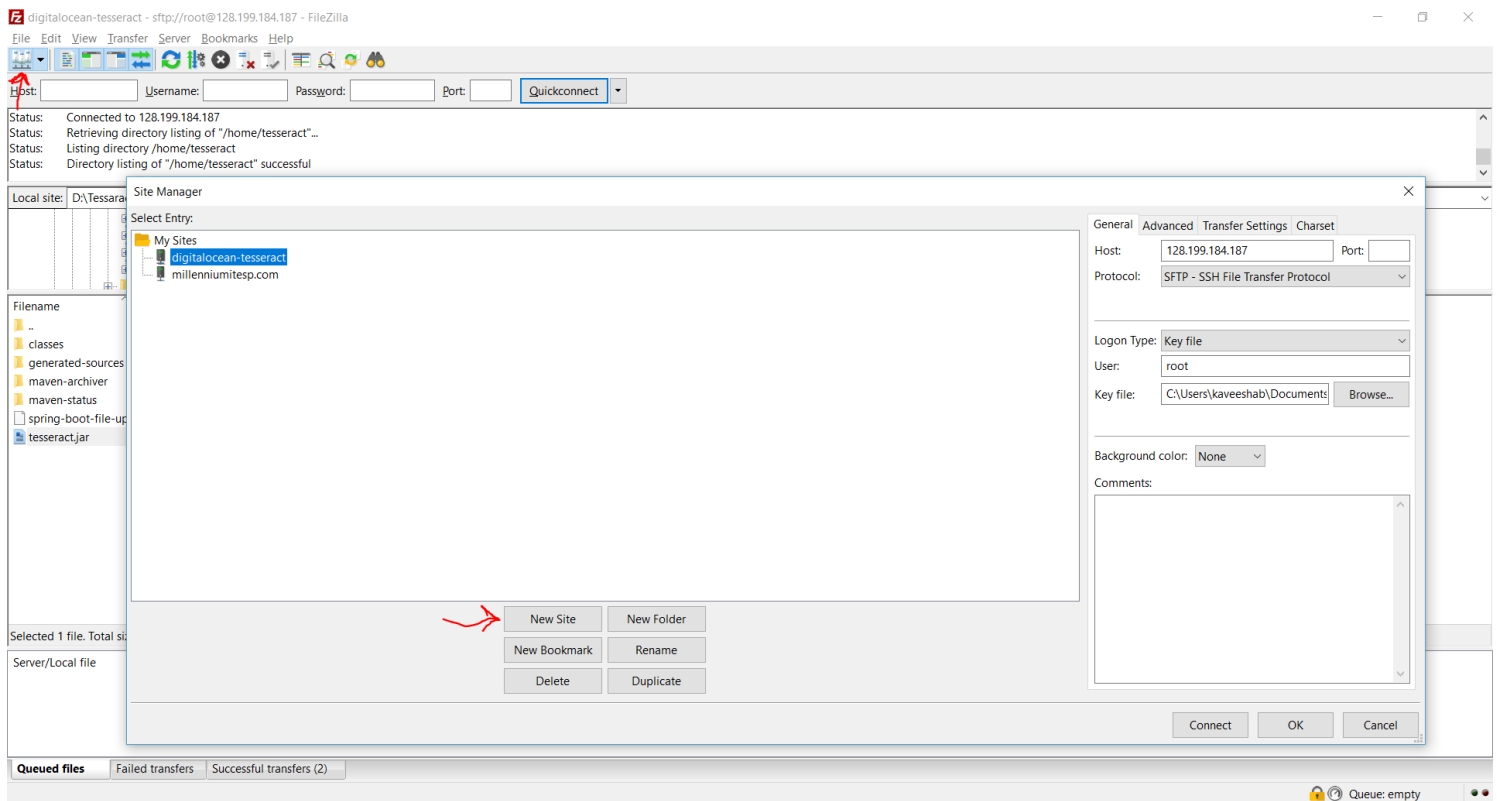


jar file will be created in **Java\Integration\target** directory.

## Deploy web application on server

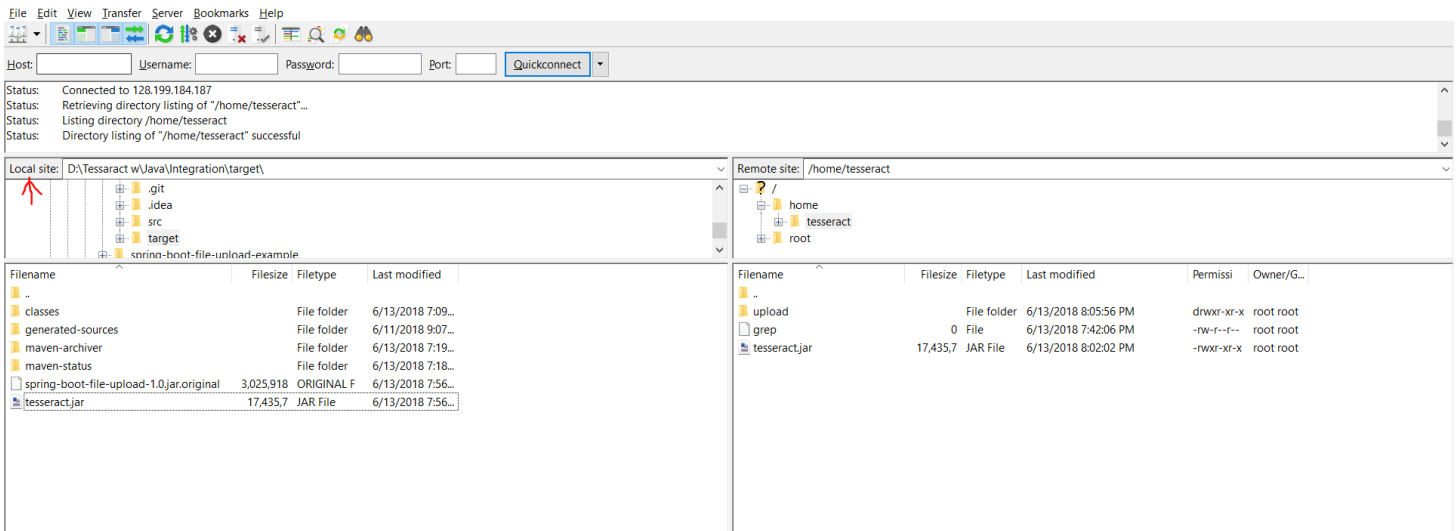
Now we have to add created jar file in to server. To do that we use FileZilla. FileZilla is a free software, cross-platform FTP application, consisting of FileZilla Client and FileZilla Server. We can add jar file using this application.

First you have to open FileZilla and create connection with the server. Following is the screenshot of FileZilla. Add **host IP address**, **protocol** and **logon type**(password , Key file) according to your authenticating mechanism.

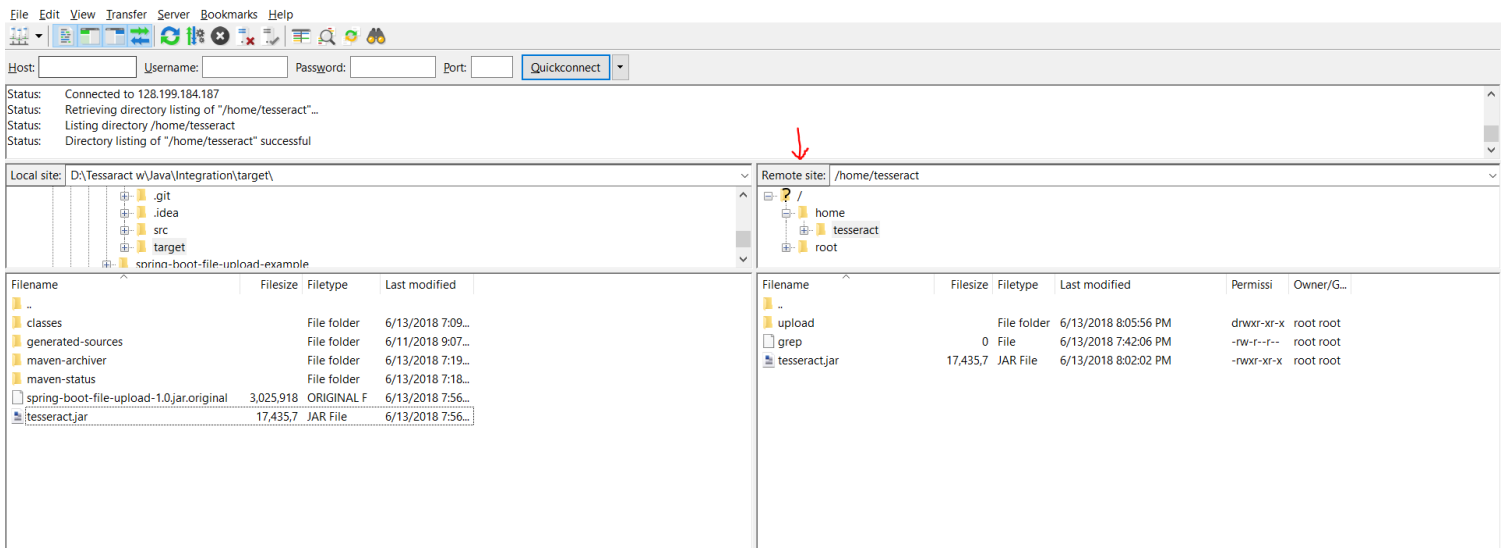


## Add files to server

Select files which wanted to add server form your local computer using **Local site** Input field.



Then select remote server's desired directory using **Remote site** Input field.



Now double click on folders which is needs to add to remote server in the left hand side list. Then folders will be add in to server.

## Run Jar file in server

Now jar file is ready in server and we have to execute it on server.

1. First go to the directory which located the jar file.
2. Then run following code to change permission of the file. This command will gives permission to everyone to execute this file.

**chmod a+x <fileName>**

3. Then run following command to run jar.file as a background process.(using `&` we can run it as background process )

**java -jar <fileName> &**

Ex - java -jar tesseract.jar &

## To know

You can check your server port is listening by telnet to the port using following command.

**telnet <ipaddress> <port>** (Ex telnet 128:192:123:74 82 )

You can list all processes run in server using following command.

**ps aux -**

You can kill a process using following command using process ID.

**kill -9 <processNumber>** (Ex - kill -9 12345 )