

Deployment instructions

RDS Mysql database details

Login to any ec2 instance then run following command to go to DB server. It will prompt for the password. Password is 'bigbang_user'

```
>> mysql -u admin -p -h bigbang-db.chm9lyodjghn.ap-south-1.rds.amazonaws.com
```

```
C02Yw1YCLVCG:aws-config A.Nigam$ ssh -i bigbang.pem ec2-user@ec2-13-233-116-107.ap-south-1.compute.amazonaws.com
Last login: Sun Sep  5 06:31:20 2021 from 183.83.44.136

 _ _ | _ _ | _ _ |
 _ | ( _ | _ | _ |
 _ _ | _ _ | _ _ |

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
-bash: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No such file or directory
[ec2-user@ip-172-31-2-175 ~]$
[ec2-user@ip-172-31-2-175 ~]$
[ec2-user@ip-172-31-2-175 ~]$
[ec2-user@ip-172-31-2-175 ~]$ cd project/
[ec2-user@ip-172-31-2-175 project]$ ls
bigbang-dev-firebase-adminsdk-wtrsm-f46de80ff2.json  clear_everything_related_to_topics.sql  learning-app-service-0.0.1-SNAPSHOT.jar  learning_app_prod.sql  topic.sql
bigbang-service.log                                hs_err_pid20149.log                      learning_app_integration.sql              logs                          user_activity.sql
[ec2-user@ip-172-31-2-175 project]$ rm hs_err_pid20149.log
[ec2-user@ip-172-31-2-175 project]$ ec2-user@ec2-13-233-116-107.ap-south-1.compute.amazonaws.com$C
[ec2-user@ip-172-31-2-175 project]$
[ec2-user@ip-172-31-2-175 project]$ mysql -u admin -p -h bigbang-db.chm9lyodjghn.ap-south-1.rds.amazonaws.com
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 182631
Server version: 8.0.20 Source distribution

Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| learning_app |
| learning_app_dev |
| mysql |
| performance_schema |
| sys |
+-----+
6 rows in set (0.00 sec)

mysql> exit
Bye
[ec2-user@ip-172-31-2-175 project]$
```

Deployment

- open terminal in intellij and run the following command.

```
>> mvn clean install
```

this will create a jar file in the project under the project directory:

```
>> bigbang-service/bigbang-service/target/learning-app-service-0.0.1-SNAPSHOT.jar
```

- ssh to ec2 server

```
>> ssh -i bigbang.pem ec2-user@ec2-13-233-116-107.ap-south-1.compute.amazonaws.com
```

integration server

```
-----  
ec2-13-233-116-107.ap-south-1.compute.amazonaws.com
```

```
production server
```

```
-----  
ec2-52-66-6-92.ap-south-1.compute.amazonaws.com
```

- in the server machine go to project folder

```
cd /home/ec2-user/project
```

```
// now delete the existing jar file if it exists by running following command
```

```
>> rm learning-app-service-0.0.1-SNAPSHOT.jar
```

- copy the latest jar file generated by running *mvn clean install* command. This command should be run from the directory where bigbang.pem file is saved

```
>> scp -i bigbang.pem /Users/A.Nigam/Documents/workspace/LearningApp/bigbang-  
service/bigbang-service/target/learning-app-service-0.0.1-SNAPSHOT.jar ec2-  
user@ec2-13-232-22-177.ap-south-1.compute.amazonaws.com:/home/ec2-user/project
```

- Now in the ec2 machine run following commands from project folder

```
>> cd /home/ec2-user/project
```

```
// following command gives the PID of running service
```

```
>> lsof -i tcp:8080
```

```
// kill it by executing this command
```

```
>> kill -9 <pid>
```

```
>> export GOOGLE_APPLICATION_CREDENTIALS=big-bang-dev-firebase-adminsdk-wtrsm-f466e8cff2.json
```

```
>> java -jar learning-app-service-0.0.1-SNAPSHOT.jar --  
spring.profiles.active=integration&
```

```
>> exit
```

```
[ec2-user@ip-172-31-2-175 project]$ lsof -i tcp:8080  
COMMAND  PID    USER   FD   TYPE    DEVICE  SIZE/OFF  NODE NAME  
java     27695  ec2-user 20u  IPv6  3659495   0t0  TCP *:webcache (LISTEN)  
[ec2-user@ip-172-31-2-175 project]$ kill -9 27695  
[ec2-user@ip-172-31-2-175 project]$ export GOOGLE_APPLICATION_CREDENTIALS=big-bang-dev-firebase-adminsdk-wtrsm-f466e8cff2.json  
[ec2-user@ip-172-31-2-175 project]$ java -jar learning-app-service-0.0.1-SNAPSHOT.jar --spring.profiles.active=integration&
```