**Steps for running BD-POST Client Application With Rate API**

1. Install Java -11 from below link into your system:

**https://jdk.java.net/java-se-ri/11**

2. Install PostgreSQL server and PGAdmin 4 Client on your system. (Note: please do remember your root password).

**Windows 64 bit: https://www.enterprisedb.com/thank-you-downloading-postgresql?anid=1256714**

**Windows 32 bit: https://www.enterprisedb.com/thank-you-downloading-postgresql?anid=1256721**

**PgAdmin 4: https://www.postgresql.org/ftp/pgadmin/pgadmin4/v4.13/windows/**

3. Create a database name ‘bnglclient’ in the database.

**STEPS TO RUN RATE API:**

1. Open RateAPI folder in BD-Post Folder, then open Config folder for database configuration.

2. Open application.properties file to edit.

3. Update the following fields:

a. **spring.datasource.url** (Update the database name (bnglclient) inside the url ) **[jdbc:postgresql://localhost:5432/bnglclient?useUnicode=true&amp;characterEncoding=utf-8]**

b. **spring.datasource.username (**username)

c. **spring.datasource.password (**password)

d. **server.port (**server port)

Save the file. Remember the port number on which the application will be running.

4. Please, run the application in command prompt (cmd) once using command mentioned below, it will create all the necessary tables. Open the Rate API folder inside BDPOST folder. (Make sure that command prompt is opened inside the RateAPI folder)

**Java -Dfile.encoding=UTF-8 -jar RateAPI-1.0-SNAPSHOT**

5. Rate API will be running on **‘https:\\localhost:server.port’** at client site.

**STEP IS TO RUN THE CLIENT APPLICATION:**

1. Open Client Application folder in BD-Post Folder, then open Config folder for database configuration.

2. Open application-client.properties file to update the following fields:

a. **spring.datasource.url** (Update the database name (bnglclient) inside the url )

**{jdbc:postgresql://localhost:5432/bnglclient?useUnicode=true&amp;characterEncoding=utf-8}**

b. **spring.datasource.username (**username)

c. **spring.datasource.password (**password)

d. **server.port (**server port)

e. **server.url** (Server Url is {**server api’s ip address:port number**})

f. **serverApp.url** (Server Url is {**server application’s ip address:port number**})

g. **rateAPI** (Update the port number of rate api inside the url )

**{** https://localhost:**port number of rateapi** }

h. **quartz.importfilepath** (Update the path of postgres database where the postgres is installed, append “\\pg\_dump.exe” in the end)

eg: C:\\Program Files\\PostgreSQL\\9.6\\bin\\pg\_dump.exe

{**path of postgres database**\\pg\_dump.exe }

i. **quartz.exportfilepath** (Add location path where database backup has to be stored in the machine)

Save the file. Remember the port number on which the application will be running.

3. Please, run the application in command prompt (cmd) once using command mentioned below, it will create all the necessary tables. Open the Client Application folder inside BDPOST folder. (Make sure that command prompt is opened inside the Client Application folder)

**Java -Dfile.encoding=UTF-8 -jar cosmos-1.0-SNAPSHOT**

4. Client application will be running on **‘http:\\localhost:server.port’** at client site.

5. Client Commissioning page will be opened.