

Steps to configure RabbitMq server

Root User for RabbitMq

```
su rabbitmq  
Password : rabbitmq
```

Virtual Host:

Isolation of working Environment.

1. Adding Virtual Host:

```
rabbitmqctl add_vhost vhost name
```

Ex: rabbitmqctl add_vhost **integra_mPaymentJS**

2. To get the list of vhost:

```
rabbitmqctl list_vhosts
```

User Name:

To access Virtual host, queues, exchanges and any other admin task.

Password:

Password for specific user.

3. Adding User:

```
rabbitmqctl add_user username password
```

Ex: rabbitmqctl add_user **integra_mPayment integra**

4. To get the list of user:

```
rabbitmqctl list_users
```

5. Giving access to user for vhost:

rabbitmqctl set_permissions -p **vhost name username** ".*" ".*" ".*"

Ex: rabbitmqctl set_permissions -p **integra_mPaymentJS integra_mPayment**

".*" ".*" ".*"

To check the RabbitMq server Status:

1. Root User for RabbitMq

su rabbitmq

Password : rabbitmq

2. To get the status of RabbitMq(if rabbitmq server is down)

- rabbitmqctl status (if rabbitmq server is running)

```
Status of node rabbit@test-server ...
[{pid,34463},
 {running_applications,
  [{rabbit,"RabbitMQ","3.7.4"},
   {mnesia,"MNESIA  CXC 138 12","4.15.3"},
   {rabbit_common,
    "Modules shared by rabbitmq-server and rabbitmq-erlang-client",
    "3.7.4"},.....
```

- rabbitmqctl status (if rabbitmq server is stopped)

Status of node rabbit@test-server ...

Error: unable to perform an operation on node 'rabbit@test-server'. Please see diagnostics information and suggestions below.....

3. To run the rabbitmq server:

- rabbitmq-server &

```
[1] 2596
bash-4.1$
## ##
## ##      RabbitMQ 3.7.4. Copyright (C) 2007-2018 Pivotal Software, Inc.
##### Licensed under the MPL. See http://www.rabbitmq.com/
##### ##
##### Logs: /var/log/rabbitmq/rabbit@test-server.log
          /var/log/rabbitmq/rabbit@test-server_upgrade.log

Starting broker...
completed with 0 plugins.....
```

Command used to run the Main Server

1. Go to an absolute path where the Server is deployed:

Ex: `cd /Test_Server/SUNFLOWER/iPAY-j-Europav4.0.0`

Note: Server Name extension is .js format

2. To run the server:

`node sunflower.js`

Command used to start the Consumers

1. To start all the consumer at a time:

- **Go to an absolute path of ipay server:**

Ex: `cd /Test_Server/SUNFLOWER/iPAY-j-Europav4.0.0/BackgroundTask`

`pm2 start backgroundtask.config.js`

Note: If you want to start the consumer one by one, go to an absolute path and start the consumer

Ex:

```
cd /Test_Server/SUNFLOWER/iPAY-j-Europav4.0.0/BackgroundTask/DBLogMQ
```

```
pm2 start dbConsumer-ipay
```

Ex:

```
cd /Test_Server/SUNFLOWER/iPAY-j-Europav4.0.0/BackgroundTask/mSession
```

```
pm2 start mSessionConsumer-ipay
```

Same for other Consumers like "**mTimedout, ServerLogMQ, ReversalPostingMQ**"

To monitor the Sever Logs

1. Go to an absolute path of FI Server:

Ex:

```
cd /Test_Server/SUNFLOWER/iPay-jIOv3.1.0/iPAY-j-Europav4.0.0/BackgroundTask/ServerLogMQ/LOGS/2018/06
```

Note: Once server gets the request from client, then LOGS directories will be create.

To Change the Name of Consumers

1. Go to an absolute path of ipay Server:

Ex: `cd /Test_Server/SUNFLOWER//iPAY-j-Europav4.0.0/BackgroundTask/`

change **name** in backgroundtask.config.js

for Ex :

```
by default "name" : "logConsumer",
```

```
change to below to avoid conflict
```

```
"name" : "logConsumer_Helium",
```

Note:

1. To Stop the Process

kill -SIGINT PID

pm2 list : to list the consumers and check the status

pm2 start id : to start the consumer with that id. pm2 startall

pm2 stop id : to stop the consumer with that id. pm2 stopall

pm2 delete **id/name** to delete the consumer

Data Base Configuration:

1. Go to an absolute path of ipay Server

Ex: cd /Test_Server/SUNFLOWER/iPAY-j-Europav4.0.0/ServerConfig/

2. Open **serverConfig.js file** and Configure DB Host, Port, User, Password and Database Type(Oracle or Mysql)

Note : Date Base dump will be present in **DatabaseSchema** folder of ipay server.