**Steps for creating the custom hashmap as a service in pivotal web service:**

Steps 1) Develop the program for custom hash map as a service

Step 2) Open the cli command prompt and execute the below command to login into Pivotal web service

cf login –a api.run.pivotal.io

We assume org, space, build pack if required already created and exist with required details.

Please do not use the default space provided by PWS which is development. If it is available then delete it.

Step 3) Create the new space or set the target space by the following command.

cf create-space hashingServiceBroker/ cf target –s hashingServiceBroker

Step 4) Go to root of project and execute below command (It will use the manifest.yml for environment details) to push the application

manifest.yml: ---

applications:

- name: pcfHashingService

memory: 512M

path: target/PcfHashingService-0.0.1-SNAPSHOT.jar

buildpack: java\_buildpack

random-route: **true**

cf push

Step 5) execute the below command to create service broker

cf create-service-broker brokername username password routeurl(application) --space-scoped

i.e

cf create-service-broker HashingServiceBroker root root http://hashingService.cfapps.io/ --space-scoped

After successfully executing this command in your marketplace u can see your broker service

Step 6) execute the below command to see the service broker to create in market place

cf marketplace/cf marketplace -s HashingServiceBroker

Step 7) Create instance using your service broker

cf create-service SERVICE\_BROKER PLAN SERVICE

i.e.

cf create-service HashingServiceBroker basic HashingServiceBroker001

**Client application steps:**

manifest.yml: ---

applications:

- name: pcfhashingServiceBrokerClient

memory: 512M

path: target/HashingServiceBrokerClient-0.0.1-SNAPSHOT.jar

buildpack: java\_buildpack

random-route: **true**

services:

- custom-hashmap-client

Step 1) Follow the same steps to push a client (HashingServiceBrokerClient) application in pcf

Step 2) Run the below command to create a instance of HashingServiceBroker service

cf cs hashmap-broker-001 basic-001 HashingServiceBroker

Step 3) Enable access to service plan

cf service-access -b HashingServiceBroker -e HashingServiceBroker001 -o DharamOrg

Step 4) Bind service with client

cf bind-service APP\_NAME SERVICE\_INSTANCE

i.e.

cf bind-service HashingServiceBrokerClient HashingServiceBroker

Step 5) Start service

cs start HashingServiceBrokerClient