**PCF Deployment**

* Create a file under the project and name it as “manifest.yml”
* Inside that file write

applications:

- name: UserDetails

disk\_quota: 1G

instances: 1

memory: 1G

path: target/UserDetails-0.0.1-SNAPSHOT.jar

services:

- mysql

stack: cflinuxfs2

* Go to the project location and type “cmd”
* Cf login(enter username and password)
* Cf push

**Commands**

* To check spaces

cf spaces

* To check domains

cf domains

* To find running apps

cf apps

* To push app

cf push

* To check the buildpacks

cf buildpacks

* To view all services

cf m

* To view particular service

Cf m –s <service-name>

* To create service

cf create-service <service-name-in-marketplace> <plan> <customized-service-name>

**ex: cf create-service app-autoscaler gold autoscaler**

* To bind/unbind service

cf bind-service <app-name> <service-name>

**ex: cf bind-service my-app autoscaler**

**cf unbind-service my-app autoscaler**

* To Get routes

cf routes

* To create route

cf create-route <space-name> <domain-name> –n/--hostname <hostname>

**ex: cf create-route development cfapps.io –n/--hostname demo-app**

* To map/unmap route

cf map-route <app-name> <domain-name> -n/--hostname <host-name>

**ex: cf map-route demo cfapps.io –n/--hostname demo-app**

cf unmap-route <app-name> <domain-name> -n/--hostname <host-name>

**ex: cf unmap-route demo cfapps.io –n/--hostname demo-app**

**Blue-Green Deployment**

**Step 1:** Push the app using “cf push”

Starts here……

**Step 2:** Push the updated file with different name

**Step 3:** map-route for updated file with the same route as old file

**Step 4:** unmap-route for the old file

**Step 5:** unmap-route(different named route) for the updated file