

Cloud Foundry



What is it?



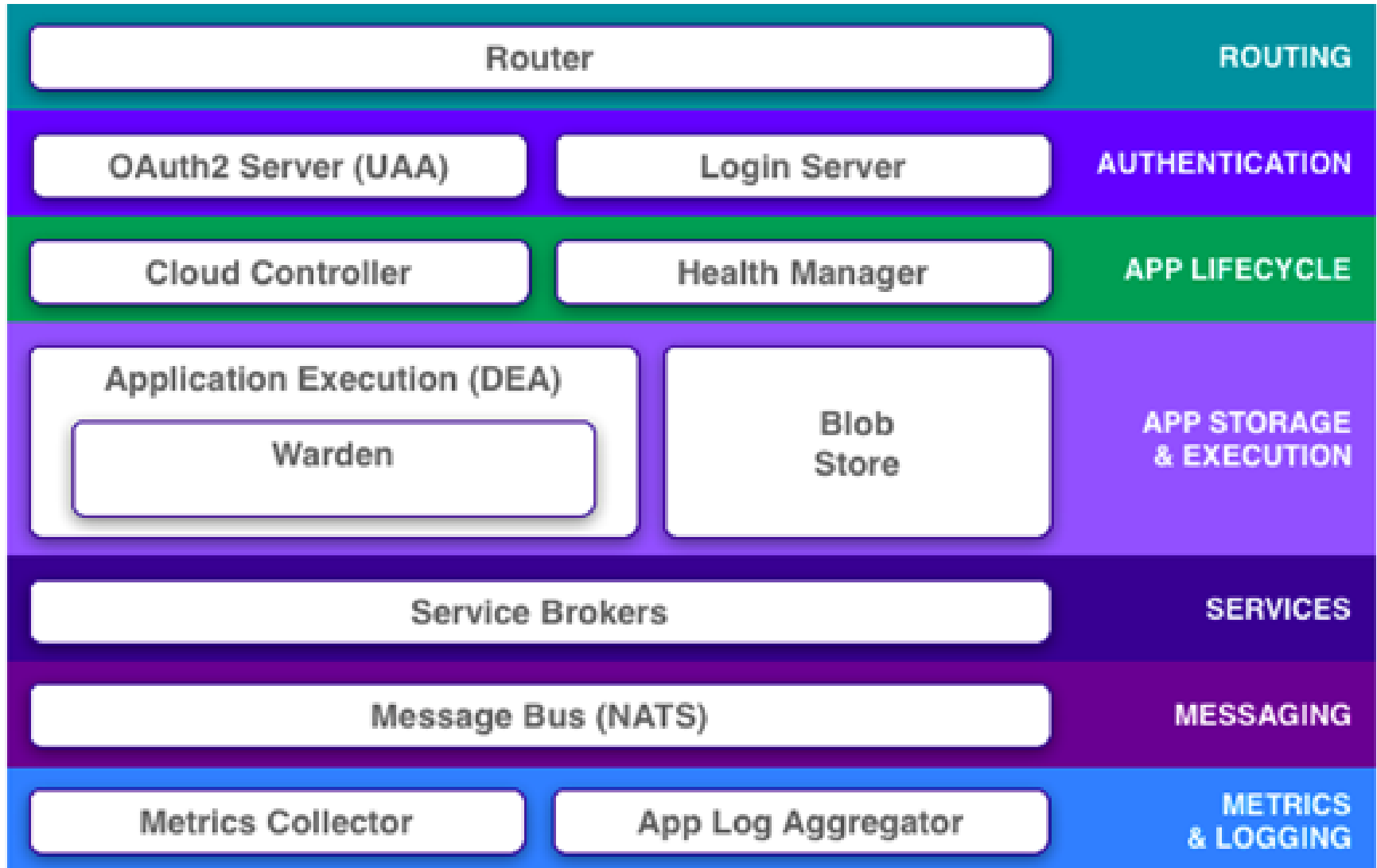
- Open Source cloud computing platform (PaaS)
- can be deployed on many infrastructure platforms:
 - AWS
 - Azure
 - OpenStack
 - VMware
 - local (vagrant)

Language support



- supports multiple languages:
 - Java
 - Ruby
 - Node.js
 - Go
 - PHP
 - Python
 - static files
- support is provided by [buildpacks](#)

Platform components

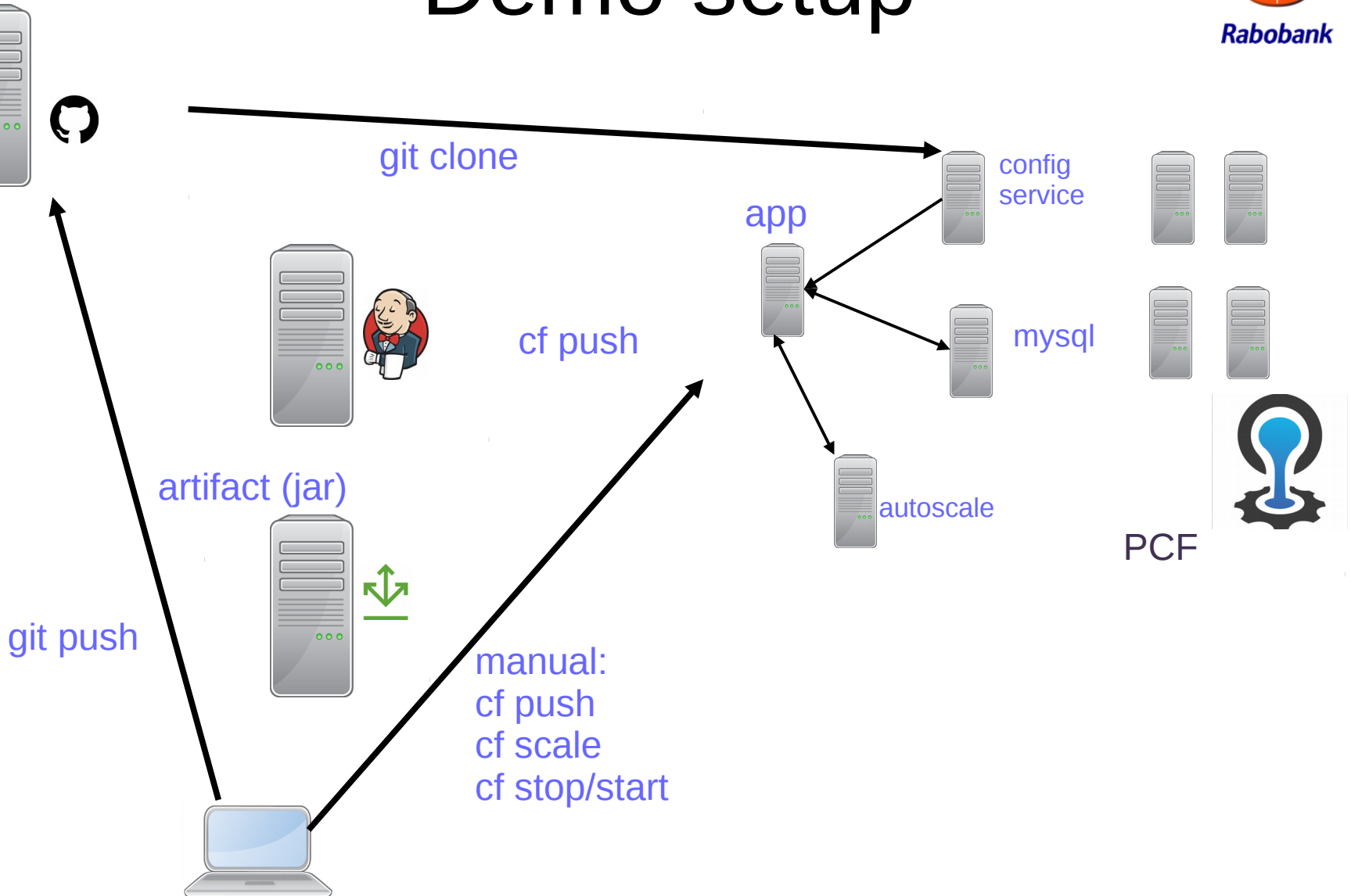


PoC Cloud providers



- Pivotal
 - PCF (Pivotal Cloud Foundry) running on AWS
- IBM
 - Bluemix public cloud (large shared public env)

Demo setup



demo

demo



```
#prepare:
cf delete -f testappl
cf delete-route -f apps.pcfnl.examples.cf --hostname testappl-4712
sudo /etc/init.d/mysql start

#demo:
cd ~/workspace/testappl
git pull
mvn clean spring-boot:run
# test on http://localhost:8080
mvn -Dmaven.test.skip package
ls -lh target
export CF_HOME=~/.cf_pcf && cf login -a https://api.system.pcfnl.examples.cf -u harry -p `cat ~/cf/pcf.pw` -o rabobank-org -s
sandbox
cf push testappl --no-manifest --no-start -m 768M -k 512M -i 1 -b java_buildpack_offline -p target/testappl-0.1.1.jar --hostname
testappl-4712
cf marketplace
cf service testappl-db
cf bind-service testappl testappl-db
cf bind-service testappl cfg-server
cf bind-service testappl srv-reg
cf logs testappl (in another terminal)
cf start testappl
cf routes
# ==> show URL
cf scale testappl -i 4
cf app testappl

#cleanup
cf delete -f testappl && \
cf delete-route -f apps.pcfnl.examples.cf --hostname testappl-4712 && \
cf logout
```


Questions ?

