

```
curl localhost:8080/mappings -u billy:bob
```

```
security.oauth2.client.clientId = cbf696c0-4b0e-491b-907d-12adb61cc30e
```

```
security.oauth2.client.secret = a381e152-397d-454e-bfe4-8b825c783d29
```

```
security.oauth2.client.clientId = 0c7829af-6079-4380-b915-00eddbb369a5
```

```
security.oauth2.client.secret = 4a7b2d86-679b-4074-8968-1993d2624915
```

```
curl localhost:8080/oauth/token -d scope=read -d grant_type=password -d  
username=user -d password=password -u CLIENTID:SECRET
```

```
curl localhost:2200/oauth/token -d scope=read -d grant_type=password -d  
username=user -d password=password -u 0c7829af-6079-4380-  
b915-00eddbb369a5:4a7b2d86-679b-4074-8968-1993d2624915
```

```
0db46047-b6c3-4e65-97d9-e1c80aaef0fe
```

```
security.oauth2.client.client-id=cbf696c0-4b0e-491b-907d-12adb61cc30e  
security.oauth2.client.client-secret=a381e152-397d-454e-bfe4-8b825c783d29  
security.oauth2.resource.token-info-uri=http://localhost:8080/oauth/check_token
```

```
security.oauth2.client.clientId = 4220601a-c63a-421f-98df-4bb340afcca9  
security.oauth2.client.secret = 3226dfed-21fa-419e-b608-b499053aeace
```

```
curl localhost:8080/oauth/token -d scope=read -d grant_type=password -d  
username=user -d password=password -u 4220601a-  
c63a-421f-98df-4bb340afcca9:3226dfed-21fa-419e-b608-b499053aeace
```

```
80b79c24-1fd2-486f-9a92-7effb6889e40
```

```
curl localhost:2200 -H "Authorization: Bearer  
80b79c24-1fd2-486f-9a92-7effb6889e40"
```

```
80b79c24-1fd2-486f-9a92-7effb6889e40
```

```
git remote add origin https://github.com/slakshminarasimhan/app-config.git
```

```
git add .  
git commit -m "first commit"  
git push origin master
```

```
cf push greeting-config -p target/greeting-config-0.0.1-SNAPSHOT.jar -m 512M --random-route --no-start
```

```
cf set-env greeting-config TRUST_CERTS api.system.cumuluslabs.io
```

```
curl -X POST http://greeting-config-friendly-gorilla.apps.cumuluslabs.io/refresh
```

```
cf set-env fortune-service TRUST_CERTS fortune-service-brave-kookaburra.apps.cumuluslabs.io
```

```
cf push greeting-service -p target/greeting-service-0.0.1-SNAPSHOT.jar -m 512M --random-route --no-start
```

```
cf push greeting-service -p target/greeting-service-0.0.1-SNAPSHOT.jar -m 512M --random-route --no-start
```

```
cf bind-service greeting-service config-server  
cf bind-service greeting-service service-registry
```

```
cf start greeting-service
```

```
curl -i -H "Content-Type:application/json" -d '{"userId":"user-123",  
"packageld":"package-123"}' http://localhost:8080/subscriptions
```

```
curl -i ums-excellent-sitatunga.apps.cumuluslabs.io/subscriptions
```

```
./gradlew cloudNativeEvolutionMonolith -PumsUrl=http://ums-excellent-sitatunga.apps.cumuluslabs.io
```

```
./gradlew applications/ums:build  
./gradlew applications/billing:build
```

```
./gradlew applications/ums:bootRun ./gradlew applications/billing:bootRun
```

```
./gradlew build
```

```
brew tap pivotal/tap  
brew install springboot
```

```
spring install org.springframework.cloud:spring-cloud-cli:1.3.1.RELEASE
```

```
spring cloud configserver
```

```
cf push billing -p billing-0.0.1-SNAPSHOT.jar -m 512M --random-route --no-start
```

```
cf push ums -p ums-0.0.1-SNAPSHOT.jar -m 512M --random-route --no-start
```

```
cf start billing
```

```
cf start ums
```

```
./gradlew CloudNativeEvolutionServiceDiscovery -PumsUrl=http://billing-exhausted-buffalo.apps.cumuluslabs.io
```

```
cf create-service p-service-registry standard service-registry
```

```
cf bind-service billing service-registry
```

```
cf bind-service ums service-registry
```

```
curl -i -H "Content-Type:application/json" -d '{"userId":"user-123",  
"packageId":"package-123"}' http://ums-excellent-sitatunga.apps.cumuluslabs.io/subscriptions
```

```
cf restage billing
```

```
cf restage ums
```

```
curl -i -H "Content-Type:application/json" -d '{"userId":"user-123",  
"packageId":"package-123"}' http://ums-excellent-sitatunga.apps.cumuluslabs.io/subscriptions
```

```
./gradlew cloudNativeEvolutionServiceDiscovery -PumsUrl=https://ums-excellent-sitatunga.apps.cumuluslabs.io
```

```
export PATH=/opt/apache-maven-3.5.4/bin:$PATH
```

```
MOVIE_FUN_URL=http://moviefun-spontaneous-bear.apps.cumuluslabs.io mvn test
```

```
export PATH=/usr/local/mysql/bin:$PATH
```

```
mvn spring-boot:run
```

```
mvn clean package -DskipTests -Dmaven.test.skip=true
```

```
cf push moviefun -p target/moviefun.war -m 1G --random-route
```

```
cf push moviefun -p movie-fun-app-1.1.0-SNAPSHOT.war -m 1G --random-route
```

```
http://moviefun-spontaneous-bear.apps.cumuluslabs.io/setup
```

```
replatformingSpringBootification
```

```
./gradlew replatformingSpringBootification -PmovieFunUrl=http://moviefun-spontaneous-bear.apps.cumuluslabs.io
```

```
mvn clean package -DskipTests -Dmaven.test.skip=true
```

entity manager, transaction manager

```
git remote add origin https://github.com/slakshminarasimhan/app-config.git
```

```
git add .  
git commit -m "first commit"  
git push origin master
```

```
git checkout https://github.com/slakshminarasimhan/easy-notes.git
```

```
git add .  
git commit -m "first commit"  
git push origin master
```

albums-mysql

```
cf create-service p-mysql 1G albums-mysql
```

```
cf push moviefun -p target/moviefun.war -m 1G --random-route
```

```
cf env moviefun  
cf bind-service moviefun albums-mysql
```

```
"jdbcUrl": "jdbc:mysql://10.0.16.64:3306/  
cf_bfa88798_84de_4593_a59f_ffbed7412fd9?user=ud9ixyPaJS7tRZvt  
\u0026password=U9FIJQnhKftHkcl4",  
  "password": "U9FIJQnhKftHkcl4",  
  "username": "ud9ixyPaJS7tRZvt"  
},  
"jdbcUrl": "jdbc:mysql://10.0.16.64:3306/  
cf_7f7d1370_bdbd_4b4d_96bc_3ba044b1d141?user=KfitdpWfVEfGLPlu  
\u0026password=Blm9PSdCe3zGfi3x",  
  "password": "Blm9PSdCe3zGfi3x",  
  "username": "KfitdpWfVEfGLPlu"
```

```
cf set-env moviefun MOVIEFUN_DATASOURCES_MOVIES_URL jdbc:mysql://
10.0.16.64:3306/cf_bfa88798_84de_4593_a59f_ffbed7412fd9?
user=ud9ixyPaJS7tRZvt\u0026password=U9FIJQnhKftHkcl4
cf set-env moviefun MOVIEFUN_DATASOURCES_MOVIES_USERNAME
ud9ixyPaJS7tRZvt
cf set-env moviefun MOVIEFUN_DATASOURCES_MOVIES_PASSWORD
U9FIJQnhKftHkcl4
```

```
cf set-env moviefun MOVIEFUN_DATASOURCES_ALBUMS_URL jdbc:mysql://
10.0.16.64:3306/cf_7f7d1370_bd4d_4b4d_96bc_3ba044b1d141?
user=KfitdpWfVEfGLPlu\u0026password=Blm9PSdCe3zGfi3x
cf set-env moviefun MOVIEFUN_DATASOURCES_ALBUMS_USERNAME
KfitdpWfVEfGLPlu
cf set-env moviefun MOVIEFUN_DATASOURCES_ALBUMS_PASSWORD
Blm9PSdCe3zGfi3x
```

replatformingManagingDataSources

```
./gradlew replatformingManagingDataSources -PmovieFunUrl=http://moviefun-spontaneous-bear.apps.cumuluslabs.io
```

```
mvn clean package -DskipTests -Dmaven.test.skip=true
mvn spring-boot:run
```

```
cf push moviefun -p target/moviefun.war --random-route
```

replatformingRemovingPersistenceToFileSystem

```
./gradlew replatformingRemovingPersistenceToFileSystem -PmovieFunUrl=http://moviefun-spontaneous-bear.apps.cumuluslabs.io
```

```
./gradlew applications/movie-fun-app:build
```

```
cf set-env moviefun S3_ENDPOINTURL http://s3.amazonaws.com
cf set-env moviefun S3_ACCESSKEY AKIAJW56QYKT55YR2PSA
cf set-env moviefun S3_SECRETKEY
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
cf set-env moviefun S3_BUCKETNAME
cf-321b1541-29c9-4192-930c-6524e7339f46
```

```
./gradlew replatformingRemovingReadsFromFileSystem -PmovieFunUrl=http://moviefun-spontaneous-bear.apps.cumuluslabs.io
```

```
cf create-user-provided-service paper-trail -l syslog-tls://logs5.papertrailapp.com:
13071
```

```
cf bind-service moviefun paper-trail
cf restage moviefun
```

```
cf create-user-provided-service paper-trail -l syslog-tls://logs4.papertrailapp.com:42718
```

```
cf bind-service moviefun paper-trail
cf restage moviefun
```

```
export PATH=/opt/apache-maven-3.5.4/bin:$PATH
mvn clean package -DskipTests -Dmaven.test.skip=true
mvn spring-boot:run
```

```
/Users/maclab/shared/moviefun
export PATH=/usr/local/mysql/bin:$PATH
```

```
minio server ~/shared
```

```
cf env moviefun
```

```
cf ssh -L 63306:10.0.16.64:3306 moviefun
```

```
mysql -u ud9ixyPaJS7tRZvt -p -P 63306 -h 0 -D
cf_bfa88798_84de_4593_a59f_ffbed7412fd9
```

```
cf scale -i 2 moviefun
```

```
python get-pip.py --user
pip install awscli --upgrade --user
```

```
sudo ./awscli-bundle/install -i /usr/local/aws -b /usr/local/bin/aws
```

```
./awscli-bundle/install -h
```

```
./gradlew replatformingBackgroundJobsWithDb -PmovieFunUrl=http://moviefun-persistent-platypus.apps.cumuluslabs.io
```

```
PATH=$PATH:/usr/local/sbin
```

```
curl -X POST http://moviefun-persistent-platypus.apps.cumuluslabs.io/rabbit -d ""
```

```
./gradlew replatformingBackgroundJobsWithAmqp -PmovieFunUrl=http://moviefun-persistent-platypus.apps.cumuluslabs.io
```

create repository called apps-movie-fun-code in git

create same folder in local

CD to that folder in local

git init .

git remote add origin <https://github.com/slakshminarasimhan/apps-movie-fun-code.git>

after making all changes, do the following

git add .

git commit -m "first commit"

git push origin master

apps-platform-acceleration-removing-instance-specific-state-code

git add remote add my-origin <https://github.com/slakshminarasimhan/SpringBootMySQLCRUD.git>

git remote add my-origin <https://github.com/slakshminarasimhan/LoadBalanceSessionStore.git>

git add .

git commit -m "first commit"

git push -u my-origin master

export PATH=/opt/apache-maven-3.5.4/bin:\$PATH

mvn clean package -DskipTests -Dmaven.test.skip=true

mvn spring-boot:run

```
./gradlew replatformingRemoveInstanceSpecificState -PsessionStateUrl=http://remove-session-state-silly-antelope.apps.cumuluslabs.io
```

```
./gradlew replatformingStruts -PstrutsAppUrl=http://struts-empathic-dingo.apps.cumuluslabs.io
```

application.java

controller.java

index.jsp

layout.tag

```
./gradlew ModernizationStrutsToSpring -PstrutsAppUrl=http://localhost:8080
```

```
export S3_ACCESSKEY=JKLOXA1DK2P33FZJJDSA  
export S3_SECRETKEY=/QMRIR7kxqWKdXaIQBxlof4ME6uBERAtfKBvPNEg  
export S3_BUCKETNAME=moviefun
```

```
cat ~/workspace/mvnToGradle/apps-movie-fun-code/db/schema.ddl
```

```
mysql -uroot -p movies < ~/workspace/mvnToGradle/apps-movie-fun-code/db/  
schema.ddl
```

```
./gradlew modernizationMavenToGradle -PmovieFunUrl=http://moviefun-persistent-  
platypus.apps.cumuluslabs.io
```

```
cf push moviefun -p movie-fun-app-1.1.0-SNAPSHOT.war -m 1G --random-route
```

```
./gradlew ModernizationMultipleJars -PmovieFunUrl=http://moviefun-persistent-  
platypus.apps.cumuluslabs.io/
```

```
git remote show origin
```

```
./gradlew applications:album-service:bootRun
```

```
./gradlew teardownPcfEnv
```

```
./gradlew ModernizationMicroservices -PmovieFunUrl=http://movie-fun-app-  
ls.apps.cumuluslabs.io
```

```
./gradlew applications:album-service:build  
./gradlew applications:movie-service:build  
./gradlew applications:movie-fun-app:build -x test  
cf push moviefun -p movie-fun-app-1.1.0-SNAPSHOT.war  
./gradlew ModernizationMigrations -PmovieFunUrl=http://movie-fun-app-  
ls.apps.cumuluslabs.io
```

```
./gradlew modernizationSecurity -PmovieFunUrl=https://movie-fun-app-  
ls.apps.cumuluslabs.io -PuaaUsername=user -PuaaPassword=keepitsimple
```

```
./gradlew modernizationSecurity -PmovieFunUrl=https://movie-fun-app-  
ls.apps.cumuluslabs.io -PuaaUsername=user -PuaaPassword=keepitsimple
```

```
./gradlew modernizationSecurity -PmovieFunUrl=https://movie-fun-app-  
ls.apps.cumuluslabs.io -PuaaUsername=user -PuaaPassword=keepitsimple
```



```
./gradlew modernizationSecurity -PmovieFunUrl=https://movie-fun-app-  
ls.apps.cumuluslabs.io -PuaaUsername=user -PuaaPassword=keepitsimple
```

modernizationSecurity

```
./gradlew applications:album-service:build  
./gradlew applications:movie-service:build  
./gradlew applications:movie-fun-app:build -x test  
./gradlew teardownPcfEnv  
./gradlew setupPcfEnv  
./gradlew deploy
```

```
cd ~/workspace/assignment-submission  
./gradlew modernizationServiceDiscovery -PmovieFunUrl=https://movie-fun-app-  
ls.apps.cumuluslabs.io -PuaaUsername=user -PuaaPassword=keepitsimple
```

```
cf bind-service album-service movie-fun-registry  
cf bind-service movie-fun-app movie-fun-registry  
cf bind-service movie-service movie-fun-registry
```

```
./gradlew modernizationConfigServer -PmovieFunUrl=https://movie-fun-app-  
ls.apps.cumuluslabs.io -PuaaUsername=user -PuaaPassword=keepitsimple
```

```
cf delete-service movie-fun-circuit-breaker  
cf create-service p-circuit-breaker-dashboard standard movie-fun-circuit-breaker
```

movie-fun-app-ls.apps.cumuluslabs.io