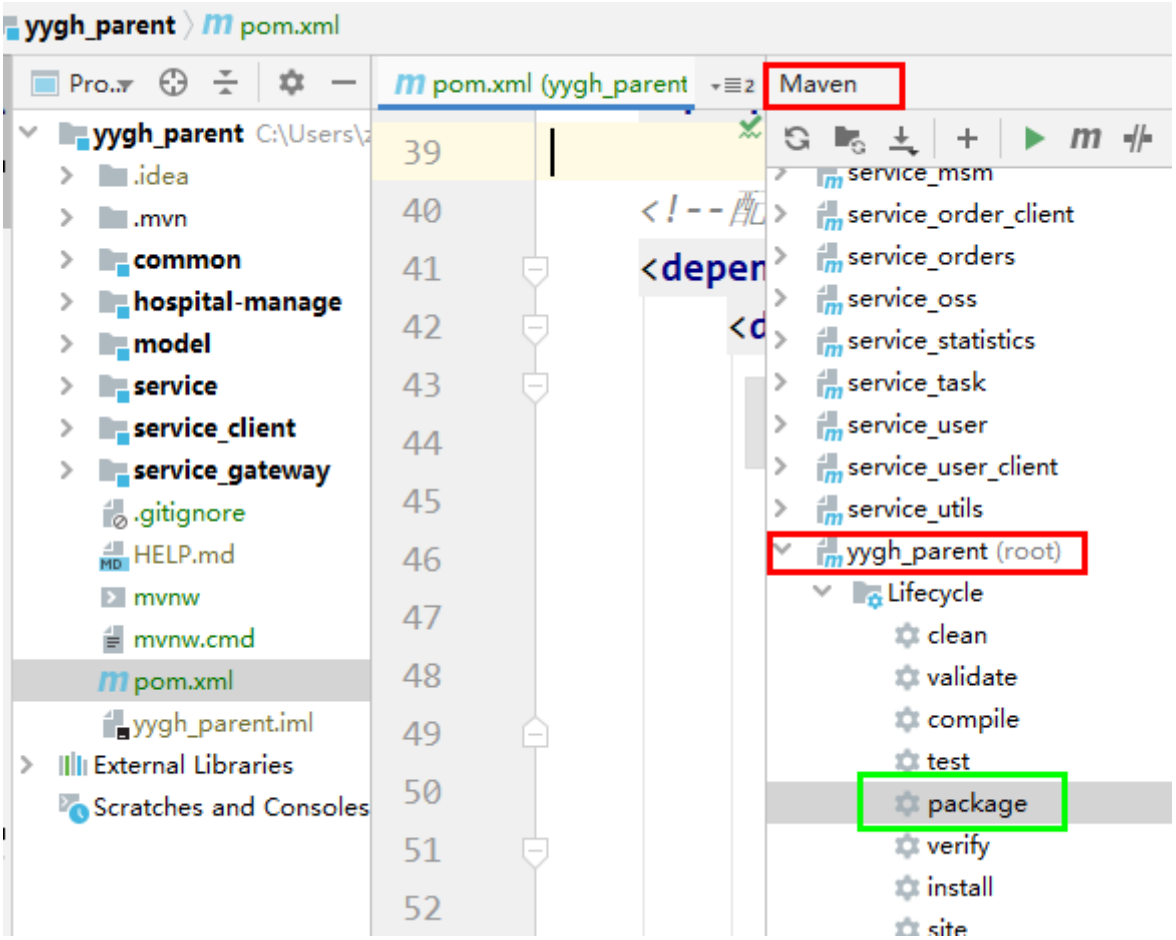
一、项目部署

1、项目部署流程

2、项目打包

打开idea，找到maven，选择父工程里面 Lifecycle -- package 进行打包



执行package之后，出现Bulid SUCCESS打包成功

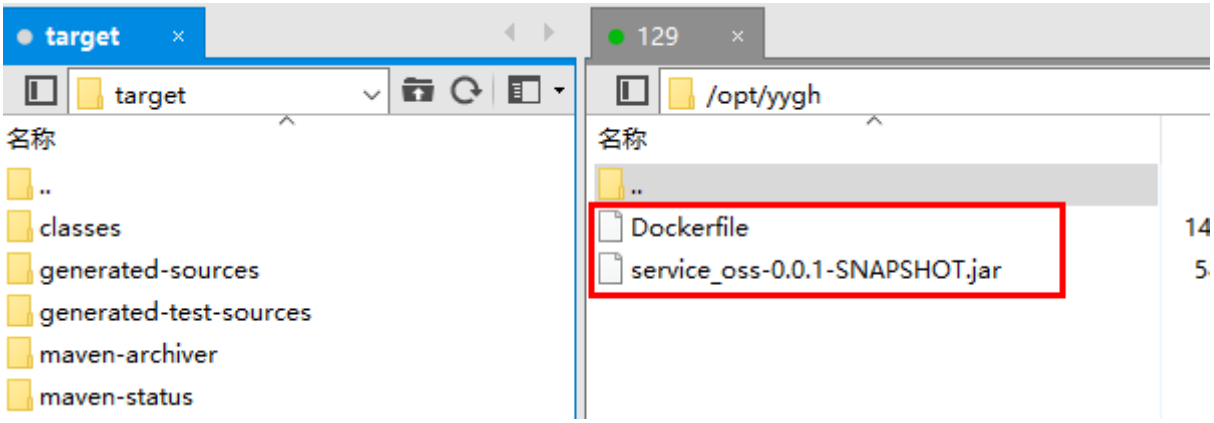
```
[INFO] service_task ....................................... SUCCESS [  2
[INFO] service_order_client ............................... SUCCESS [  1
[INFO] service_statistics ................................. SUCCESS [  2
[INFO] service_gateway .................................... SUCCESS [  1
[INFO] ------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------
[INFO] Total time:  01:05 min
[INFO] Finished at: 2021-09-16T10:45:25+08:00
```

3、制作镜像

3.1 编写Dockerfile文件

```
FROM openjdk:8-jdk-alpine
VOLUME /tmp
ADD ./service_oss-0.0.1-SNAPSHOT.jar service_oss.jar
ENTRYPOINT ["java","-jar","/service_oss.jar", "&"]
```

3.2 上传jar包和Dockerfile文件



3.3 进入Dockerfile所在目录

执行命令制作镜像：

docker build -t service-oss:1.0.0 .

```
[root@192 yygh]# docker build -t service-oss:1.0.0 .
Sending build context to Docker daemon  61.15MB
Step 1/4 : FROM openjdk:8-jdk-alpine
8-jdk-alpine: Pulling from library/openjdk
e7c96db7181b: Pull complete
f910a506b6cb: Pull complete
c2274a1a0e27: Pull complete
Digest: sha256:94792824df2df33402f201713f932b58cb9de94a0cd524164a0f228
Status: Downloaded newer image for openjdk:8-jdk-alpine
 ---> a3562aa0b991
Step 2/4 : VOLUME /tmp
 ---> Running in b4e1f65032e2
Removing intermediate container b4e1f65032e2
 ---> aa8531c553f3
Step 3/4 : ADD ./service_oss-0.0.1-SNAPSHOT.jar service_oss.jar
 ---> 98edcd5b5b66
Step 4/4 : ENTRYPOINT ["java","-jar","/service_oss.jar", "&"]
 ---> Running in c91c454ea62d
Removing intermediate container c91c454ea62d
 ---> 3fe48fff5e4d
Successfully built 3fe48fff5e4d
Successfully tagged service-oss:1.0.0
```

容器启动测试：

注：项目需要nacos环境，需要启动nacos服务，可以在Liunx中安装启动

docker run -d -p 8205:8205 service-oss:1.0.0 -t

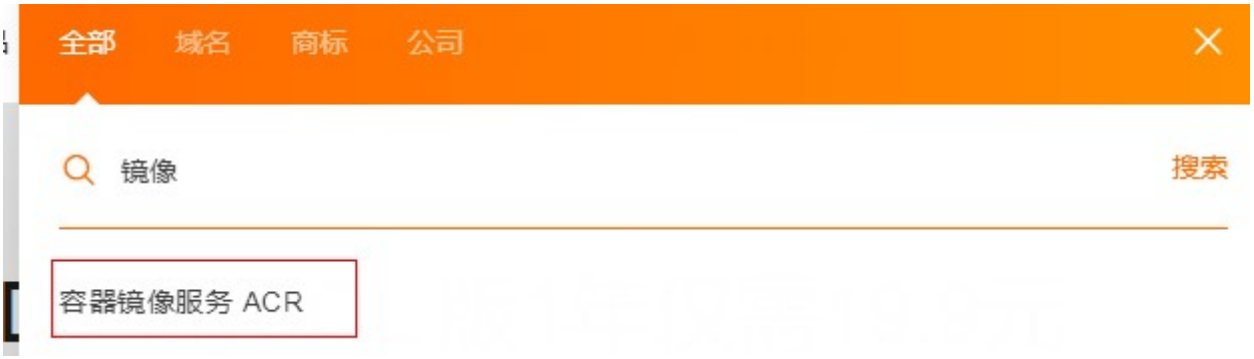
```
[root@192 yygh]# docker run -d -p 8205:8205 service-oss:1.0.0 -t
0531c97e800316007a0bdd44dd94e0833a8fae0e366089e917e152f0dadd33f4
[root@192 yygh]# docker ps
CONTAINER ID   IMAGE                  COMMAND                  CREATED

0531c97e8003   service-oss:1.0.0      "java -jar /service_… "   3 seconds ago
```

访问测试：

4、上传镜像

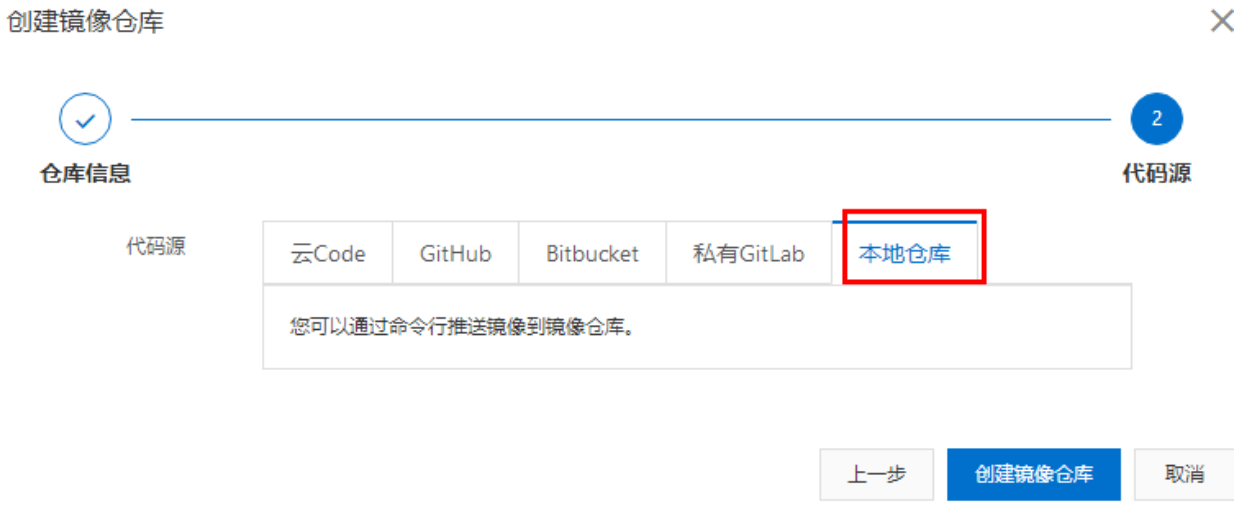
4.1 登录阿里云，搜索容器镜像服务 ACR



4.2 进入管理控制台，选择个人版

4.3 创建命名空间

4.4 创建镜像仓库



4.5 推送镜像（按照文档命令操作）

3. 将镜像推送到Registry

```
$ docker login --username=bonc**** registry.cn-hangzhou.aliyuncs.com
$ docker tag [ImageId] registry.cn-hangzhou.aliyuncs.com/alidemowz/serviceoss:[镜像版本号]
$ docker push registry.cn-hangzhou.aliyuncs.com/alidemowz/serviceoss:[镜像版本号]
```

```
[root@192 yygh]# docker login --username=bonc1234 registry.cn-hangzhou.aliyuncs.com
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[root@192 yygh]# docker tag 3fe48fff5e4d registry.cn-hangzhou.aliyuncs.com/yygh/service:1.0.0
[root@192 yygh]# docker push registry.cn-hangzhou.aliyuncs.com/yygh/service:1.0.0
The push refers to repository [registry.cn-hangzhou.aliyuncs.com/yygh/service]
9ce778acbeab: Mounted from alidemowz/serviceoss
ceaf9elebef5: Mounted from alidemowz/serviceoss
9b9b7f3d56a0: Mounted from alidemowz/serviceoss
f1b5933fe4b5: Mounted from alidemowz/serviceoss
1.0.0: digest: sha256:eca4eacb0796857ee1849e2ec475951df4ecf62a714b965a7dbce2e874d0f70b size: 115
[root@192 yygh]#
```

4.6 下载镜像

docker pull registry.cn-hangzhou.aliyuncs.com/yygh/service:1.0.0

```
[root@192 yygh]# docker pull registry.cn-hangzhou.aliyuncs.com/yygh/service:1.0.0
1.0.0: Pulling from yygh/service
e7c96db7181b: Already exists
f910a506b6cb: Already exists
c2274a1a0e27: Already exists
78aea41645b9: Pull complete
Digest: sha256:eca4eacb0796857ee1849e2ec475951df4ecf62a714b965a7dbce2e874d0f70b
Status: Downloaded newer image for registry.cn-hangzhou.aliyuncs.com/yygh/service:1.0.0
registry.cn-hangzhou.aliyuncs.com/yygh/service:1.0.0
```