

# 容器基本操作

## 1、启动容器

```
docker run ubuntu:16.04 echo hello
```

```
docker run -t -i ubuntu:16.04 /bin/bash
```

```
# -i 给容器提供标准输入
```

```
# -t 给容器分配tty终端
```

## 2、查询容器

```
docker ps
```

```
docker ps -a
```

```
docker inspect $CONTAINER_NAME
```

## 3、终止和重启容器

```
docker stop $CONTAINER_NAME
```

```
docker start $CONTAINER_NAME
```

## 4、目录挂载

```
docker run -ti -v $SRC_DIR:$TAR_DIR ubuntu:16.04 /bin/bash
```

# 镜像基本操作

## 1、镜像拉取

```
docker pull [$REGISTRY_NAME/] [REPOSITORY_NAME/] $IMAGE_NAME
```

## 2、镜像提交

```
docker commit $CONTAINER_NAME $IMAGE_NAME
```

## 3、镜像导入导出

```
docker save $IMAGE_NAME -o $FILE_NAME
```

```
docker load -i $FILE_NAME
```

## 4、镜像编译

```
docker build -t $IMAGE_NAME $PATH
```

## 5、镜像推送

```
docker push [$REGISTRY_NAME/] [$REPOSITORY_NAME/] $IMAGE_NAME
```