# docker安装gitlab

# Docker安装步骤

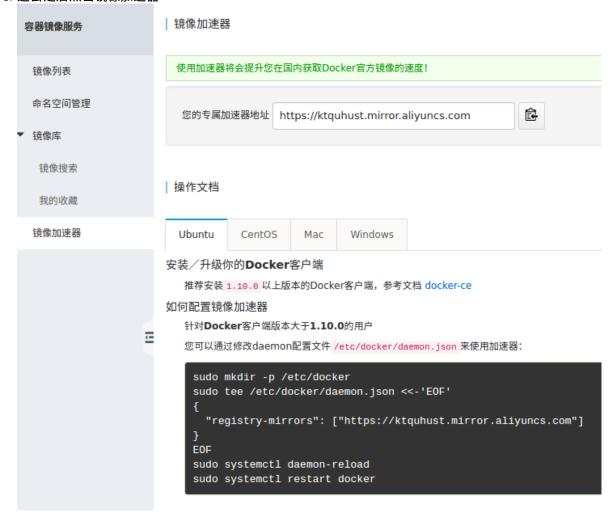
- 1. 下载docker: sudo apt-get install docker
- 2. 下载docker.io: sudo apt-get install docker.io
- 3. 下载docker-registry: sudo apt-get install docker-registry
- 4. 测试是否安装成功: sudo docker --version 若显示docker版本号则安装成功 Docker version 1.13.1, build 092cba3

### 启动docker

sudo systemctl start docker

## 使用阿里云镜像加速器docker

- 1. 注册一个阿里云账户
- 2. 进入: https://dev.aliyun.com/search.html,点击创建我的容器镜像
- 3. 进去之后点击镜像加速器



# 下载gitlab

sudo docker pull gitlab/gitlab-ce:latest

## 创建容器

- -hostname 10.10.1.70 \ # 指定容器域名,未知功能:创建镜像仓库的时候使用到
- -p 8443:443 \ # 将容器内443端口映射到主机8443,提供https服务
- -p 8080:80 \ # 将容器内80端口映射到主机8080,提供http服务
- -p 2222:22 \ # 将容器内22端口映射到主机2222,提供ssh服务
- -p 9090:9090 \ # 将容器内9090端口映射到主机9090,提供prometheus服务
- -name gitlab \# 指定容器名称
- -restart always \ # 容器退出时,自动重启
- -v /home/gitlab/config:/etc/gitlab \ # 将本地/home/gitlab/config挂载到容器内/etc/gitlab
- -v /home/gitlab/logs:/var/log/gitlab \ # 将本地/home/gitlab/logs挂载到容器内/var/log/gitlab
- -v /home/gitlab/data:/var/opt/gitlab \ # 将本地/home/gitlab/data挂载到容器内/var/opt/gitlab

### 具体代码:

sudo docker run -detach \

- -hostname 40.125.206.47 \
- -publish 443:443 -publish 82:80 -publish 8888:22 \
- -name gitlab \
- -restart always \
- -volume /srv/gitlab/config:/etc/gitlab \
- -volume /srv/gitlab/logs:/var/log/gitlab \
- -volume /srv/gitlab/data:/var/opt/gitlab \

gitlab/gitlab-ce:latest

#### 查看Gitlab容器运行情况:

docker inspect gitlab --format "{{.State.Status}}"

出现runing则说明正常运行。

#### 注意:

1. 可能会出现端口冲突。例如下错误:

docker: Error response from daemon: driver failed programming external connectivity on endpoint gitlab (aa929a0f1dc9ff4cf3aa176b3ac35902bbaca3de1a068ddf0350912a304d4f46): Error starting userland proxy: listen tcp 0.0.0.0:80: bind: address already in use.

说明端口80冲突了

2. 修改端口号80冲突问题后,再次启动,会发现之前启动的项目已存在.例如:

docker: Error response from daemon: Conflict. The container name "/gitlab" is already in use by container 5370c355ccbf3b4880e74a4e0c955b15027c8b97f42ac71829f082cef873a22b. You have to remove (or rename) that container to be able to reuse that name..

See 'docker run -help'.

处理方法:

查看: sudo docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES abd767bd6595 gitlab/gitlab-ce:latest "/assets/wrapper" 19 minutes ago Created gitlab

最后一列是项目名称

删除: sudo docker rm -f gitlab

### 配置Gitlab