

Zabbix docker实践

一.安装Docker环境

环境:

OS: CentOS 7 x86_64

Docker: docker-ce-18.09.0

step1 安装必要的一些系统工具

```
yum install -y yum-utils device-mapper-persistent-data lvm2
```

Step2 添加软件源信息

```
yum-config-manager --add-repo http://mirrors.aliyun.com/docker-ce/linux/centos/docker-ce.repo
```

Step3 更新并安装 Docker-CE

```
yum makecache fast  
yum -y install docker-ce
```

Step4 开启Docker服务

```
systemctl start docker
```

Step5 设置开机启动

```
systemctl enable docker
```

#Step6 配置docker镜像加速

```
vi /etc/docker/daemon.json
```

```
{  
  "registry-mirrors": ["https://72idtxd8.mirror.aliyuncs.com"]  
}
```

#Step 7:重启docker

```
systemctl restart docker
```

二.使用Docker-compose启动zabbix server

1.配置基础环境

环境:

OS: CentOS 7 x86_64

Docker: docker-ce-18.09.0

Docker-compose: docker-compose version 1.23.1

step1 安装Docker-compose

```
curl "https://dl.cactifans.com/zabbix_docker/docker-compose" -o /usr/bin/docker-compose  
chmod a+x /usr/bin/docker-compose
```

#step2 查看docker-compose版本

```
docker-compose version
```

step3 安装git等工具

```
yum install git wget telnet net-tools -y
```

```
# step4 下载zabbix docker仓库文件并切换到4.0
cd /opt
git clone https://github.com/zabbix/zabbix-docker.git
cd zabbix-docker/
git checkout 4.0
git branch
```

或

```
cd /opt
wget https://dl.cactifans.com/zabbix_docker/zabbix-docker.tar.gz
tar zxvf zabbix-docker.tar.gz
cd zabbix-docker/
git checkout 4.0
git branch
```

2.启动zabbix server

```
#step1 启动zabbix server组件
docker-compose -f docker-compose_v3_alpine_mysql_latest.yaml up -d
```

```
#step2 查看运行状态
docker-compose -f docker-compose_v3_alpine_mysql_latest.yaml ps
```

3.修改web端口

```
#step1 修改docker-compose_v3_alpine_mysql_latest.yaml文件
vi docker-compose_v3_alpine_mysql_latest.yaml
zabbix-web-apache-mysql:
  image: zabbix/zabbix-web-apache-mysql:alpine-4.0-latest
  ports:
    - "80:80" //修改为8812:80
    - "443:443"
```

```
#step2 停止zabbix server
docker-compose -f docker-compose_v3_alpine_mysql_latest.yaml down
```

```
#step3 启动zabbix server
docker-compose -f docker-compose_v3_alpine_mysql_latest.yaml up -d
```

4.修改时区

```
#step1 修改.env_web
vi .env_web
# PHP_TZ=Europe/Riga //修改为 PHP_TZ=Asia/Shanghai
```

```
#step2 停止zabbix server
docker-compose -f docker-compose_v3_alpine_mysql_latest.yaml down
```

```
#step3 启动zabbix server
docker-compose -f docker-compose_v3_alpine_mysql_latest.yaml up -d
```

5.修改字体为中文

```
#step1 修改配置文件zabbix-docker/web-apache-mysql/alpine/Dockerfile
```

```
ADD conf/etc/zabbix/web/msty.ttf /usr/share/fonts/ttf-dejavu/msty.ttf
ln -s /usr/share/fonts/ttf-dejavu/msty.ttf /usr/share/zabbix/fonts/graphfont.ttf
```

```
#step2下载字体文件到conf/etc/zabbix/web/目录
wget https://dl.cactifans.com/zabbix_docker/msty.ttf
```

```
#step3生成镜像
./build.sh
```

```
#step3修改docker-compose文件，并启动
vi docker-compose_v3_alpine_mysql_latest.yaml
image: zabbix-web-apache-mysql:alpine-latest
```

```
#step3启动zabbix server
docker-compose -f docker-compose_v3_alpine_mysql_latest.yaml up -d
```

三.使用zabbix监控Docker

1.启动agent

```
docker run \
--name=dockbix-agent-xxl \
--net=host \
--privileged \
-v /:/rootfs \
-v /var/run:/var/run \
--restart unless-stopped \
-e "ZA_Server=<ZABBIX SERVER IP/DNS NAME/IP RANGE>" \
-e "ZA_ServerActive=<ZABBIX SERVER IP/DNS NAME>" \
-d monitoringartist/dockbix-agent-xxl-limited:latest
```

2.导入模版

<https://github.com/monitoringartist/zabbix-docker-monitoring/tree/master/template>

或

https://dl.cactifans.com/zabbix_docker/Zabbix-Template-App-Docker.tar.gz

3.关联主机