

# busybox&&docker系统

k8s dockerfile

```
harbor.iovhm.com/public/busybox: latest
```

## Dockerfile

```
FROM harbor.iovhm.com/hub/centos: 7
RUN curl -o /etc/yum.repos.d/CentOS-Base.repo https://mirrors.aliyun.com/repo/Centos-7.repo && \
    sed -i -e '/mirrors.cloud.aliyuncs.com/d' -e '/mirrors.aliyuncs.com/d' \
    /etc/yum.repos.d/CentOS-Base.repo && \
    curl -o /etc/yum.repos.d/epel.repo https://mirrors.aliyun.com/repo/epel-7.repo && \
    yum makecache && \
    yum install -y which wget openvpn telnet net-tools mariadb openssh-clients && \
    yum clean all && \
    curl -o /usr/bin/systemctl https://raw.githubusercontent.com/gdraheim/docker-systemctl- \
replacement/master/files/docker/systemctl.py && \
    chmod +x /usr/bin/systemctl && \
    true

COPY ./entrypoint.sh /root/entrypoint.sh
RUN chmod +x /root/entrypoint.sh

CMD [ "/root/entrypoint.sh" ]

WORKDIR /root
```

## entrypoint.sh

```
#!/bin/bash
set -x

echo "busybox ..."

# [ ] OPENVPN [ ] 1 [ ] OpenVPN [ ]
if [ "${OPENVPN}" == "1" ]; then
    echo "start openvpn-client ..."
    /usr/sbin/openvpn --config /data/vpclub/ovpn_configuration_file.ovpn &
    # [ ] OpenVPN [ ]
    sleep 10
else
    echo "OPENVPN environment variable not set or not equal to 1. Skipping OpenVPN client
setup."
fi

# [ ] IP_FORWARD [ ] 1 [ ] IP [ ]
if [ "${IP_FORWARD}" == "1" ]; then
    echo "Enabling IP forwarding..."
    echo 1 >/proc/sys/net/ipv4/ip_forward

    echo "start ip_forward ..."

    # [ ] IP_FORWARD_RULES
    if [ -f "/data/vpclub/IP_FORWARD_RULES.txt" ]; then
        IP_FORWARD_RULES=$(cat /data/vpclub/IP_FORWARD_RULES.txt)
    else
        echo "IP_FORWARD_RULES file not found. Skipping batch IP forwarding setup."
        continue
    fi

    # [ ] IP [ ]
    if [ -n "${IP_FORWARD_RULES}" ]; then
        IFS=$'\n' read -r -d '' -a rules <<<"${IP_FORWARD_RULES}"
        for rule in "${rules[@]"; do
```

```

# [redacted]
IFS=',' read -r SRC_IP_PORT DEST_IP_PORT DEST_PROTO <<<"$rule"
IFS=':' read -r SRC_IP SRC_PORT <<<"$SRC_IP_PORT"
IFS=':' read -r DEST_IP DEST_PORT <<<"$DEST_IP_PORT"
DEST_PROTO=${DEST_PROTO:-tcp} # [redacted]tcp

# [redacted]PREROUTING[redacted]
iptables -t nat -I PREROUTING ! -s ${DEST_IP}/32 -p ${DEST_PROTO} --dport
${SRC_PORT} -j DNAT --to ${DEST_IP}:${DEST_PORT}

# [redacted]POSTROUTING[redacted]
iptables -t nat -I POSTROUTING -d ${DEST_IP}/32 -p ${DEST_PROTO} -j MASQUERADE
done
else
echo "No IP_FORWARD_RULES provided. Skipping batch IP forwarding setup."
fi
else
echo "IP_FORWARD environment variable not set or not equal to 1. Skipping IP forwarding
setup."
fi

echo "success ..."

tail -f /dev/null

```

## [redacted]openvpn-client

## [redacted]openrouteclientpull[redacted]

[redacted]192.168.0.0/24,VPN[redacted]vpn[redacted]

 [redacted]	<a href="#">Remove Route</a>
 [redacted]	<a href="#">Remove Route</a>
 192.168.0.0/24	<a href="#">Remove Route</a>
 [redacted]	<a href="#">Remove Route</a>

这条路由如果与本地网络冲突，会导致网络不可用

## [redacted]route-nopull

20250516route-nopull

```
setenv UV_ID e160725c7cfc4f4aaed38a3b80532a02
setenv UV_NAME thriving-fields-9821
client
dev tun
dev-type tun
remote '
route-nopull
nobind
persist-tun
cipher AES-128-CBC
auth SHA1
verb 2
mute 3
push-peer-info
ping 10
ping-restart 60
```

version: "3"

services:

busybox:

image: harbor.iovhm.com/public/busybox:latest

container\_name: busybox

network\_mode: host # host,

privileged: true

restart: always

volumes:

- ./ovpn\_configuration\_file.ovpn:/data/vpclub/ovpn\_configuration\_file.ovpn

command: "/usr/sbin/openvpn --config /data/vpclub/ovpn\_configuration\_file.ovpn"

- OPENVPN=1
- IPFORWARD=1

环境变量

类型  
Key/Value Pair

变量名  
OPENVPN

值  
1

移除

类型  
Key/Value Pair

变量名  
IP\_FORWARD

值  
1

移除

添加变量

configmap

IP\_FORWARD\_RULES.txt

- IP\_FORWARD\_RULES.txt

SRC\_IP:SRC\_PORT,DST\_IP:DST\_PORT

0.0.0.0: 6388, 10.100.156.69: 6379  
0.0.0.0: 5672, 10.103.194.230: 5672  
0.0.0.0: 15672, 10.103.194.230: 15672

IP

下载YAML

删除

状态	名称	命名空间	目标	选择器
Active	yk-basic	park-yankuang	10.103.120.2:9536 9536/TCP	workload.user.cattle.io/workloadselector=deployment-park-yankuang-yk-basic
Active	yk-h5	park-yankuang	80tcp-yk-h5 80/TCP	workload.user.cattle.io/workloadselector=deployment-park-yankuang-yk-h5
Active	yk-nginx	park-yankuang	80tcp02 80/TCP	workload.user.cattle.io/workloadselector=deployment-park-yankuang-yk-nginx
Active	yk-rabbitmq	park-yankuang	10.103.194.230:5672 5672/TCP 10.103.194.230:15672 15672/TCP	workload.user.cattle.io/workloadselector=deployment-park-yankuang-yk-rabbitmq
Active	yk-redis	park-yankuang	10.100.156.69:6388 6388/TCP	workload.user.cattle.io/workloadselector=deployment-park-yankuang-yk-redis
Active	yk-web	park-yankuang	80tcp-yk-web 80/TCP	workload.user.cattle.io/workloadselector=deployment-park-yankuang-yk-web

- VPNconfiguration\_file.ovpn

pritunl

命名空间 \*  
park-yankuang

名称 \*  
busybox-config

描述  
输入可以描述该资源的文本

数据

二进制数据

标签 & 注释

数据

键 值

IP\_FORWARD\_RULES.txt 端口转发列表

ovpn\_configuration\_file.ovpn openvpn key

0.0.0.0:6388,10.100.156.69:6388  
0.0.0.0:5672,10.103.194.230:5672  
0.0.0.0:15672,10.103.194.230:15672

```
#  
# "version": 1,  
# "user": "park-yankuang.devops@vpclub.cn",  
# "organization": "vpwhdev",  
# "server": "vpn-whdev",  
# "wg": false,
```

configmap/data/vpclub

Deployment Pod busybox + 添加容器

标签 & 注释

网络

节点调度

Pod 调度

资源

扩容和升级策略

安全性上下文

存储

存储

ConfigMap

卷名称 \*  
vol-h9dui

默认模式  
777

ConfigMap \*  
busybox-config

选填  
☐ 是 ☐ 否

添加卷

Deployment Pod busybox + 添加容器

通用

健康检查

资源

安全性上下文

存储

存储

vol-h9dui (ConfigMap)

挂载点 \*  
/data/vpclub

卷内子路径

只读  
☐

移除

添加挂载

选择卷