busybox&&docker镜像支持system

k8s环境中，经常需要一个工具容器进行一些调试，特意打包了常用小工具。你可以可以使用下面的dockerfile制作自己的容器

镜像地址

```
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
```

```
            # 修改解析逻辑，支持新的格式
            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} # 默认协议为tcp

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

            # 添加POSTROUTING规则
            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
```

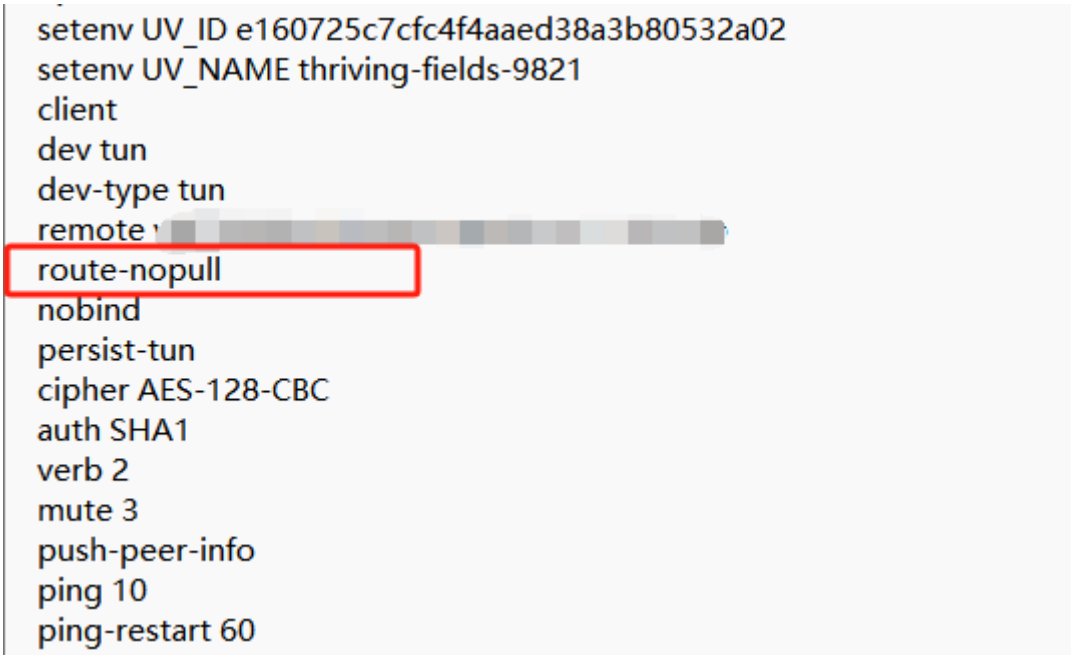
隐藏秘籍，内置了openvpn-client

注意事项，如果开启内置的openvpn-client，如果服务器设置的路由与本地网络冲突，需要再配置文件中增加

例如，本机网络为192.168.0.0/24,VPN上也进行了这个设置，则会导致路由冲突，可能导致vpn客户不可用

增加不从服务器获取路由**route-nopull**

2025□5□16□□□□□□route-nopull □□□□□□□□□□□




```
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 --route-
nopull"
```

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- □□□□□OPENVPN=1
- IP_FORWARD=1



□□configmap

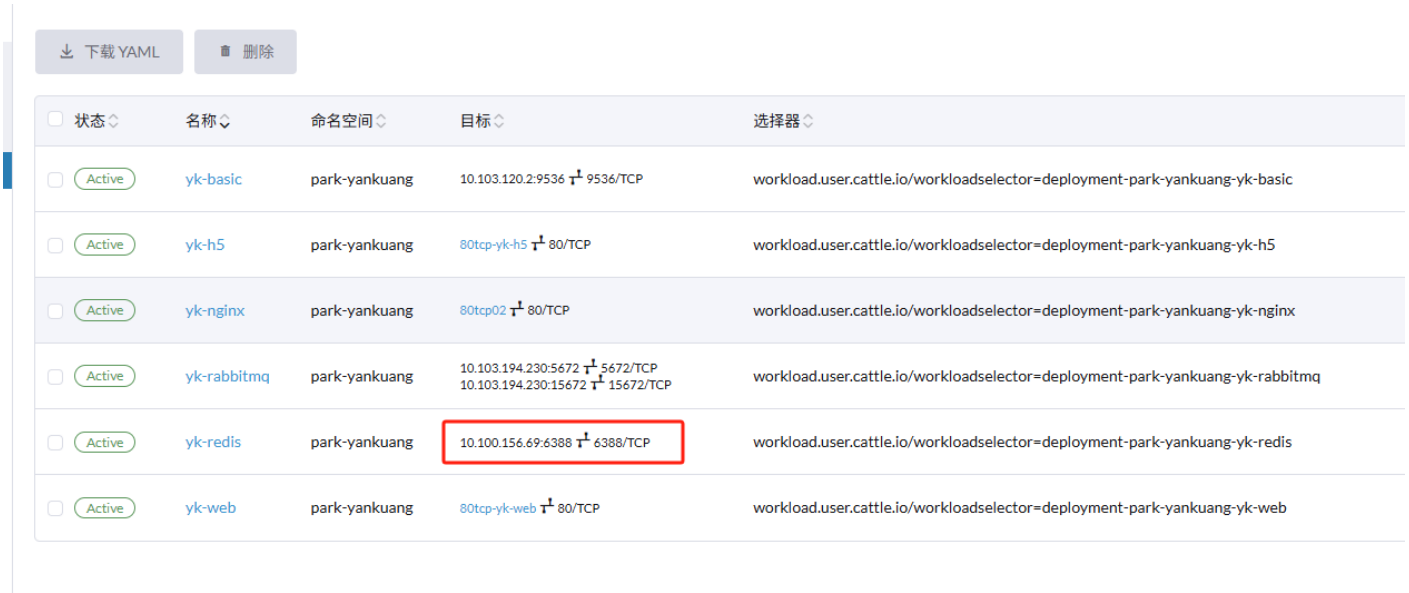
□□□□□□□□□□□□□□□□□□□□□□□□□□□□

- **□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□□□□□□IP

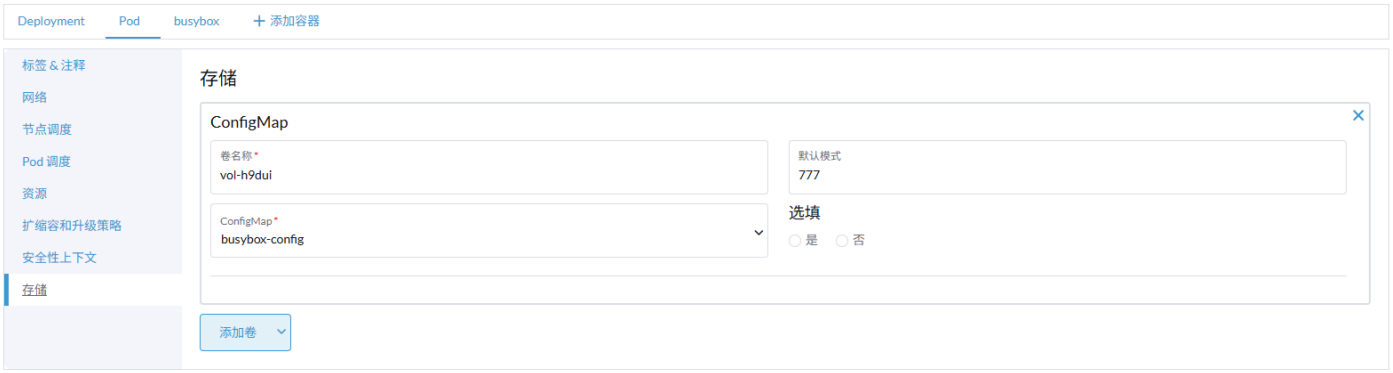


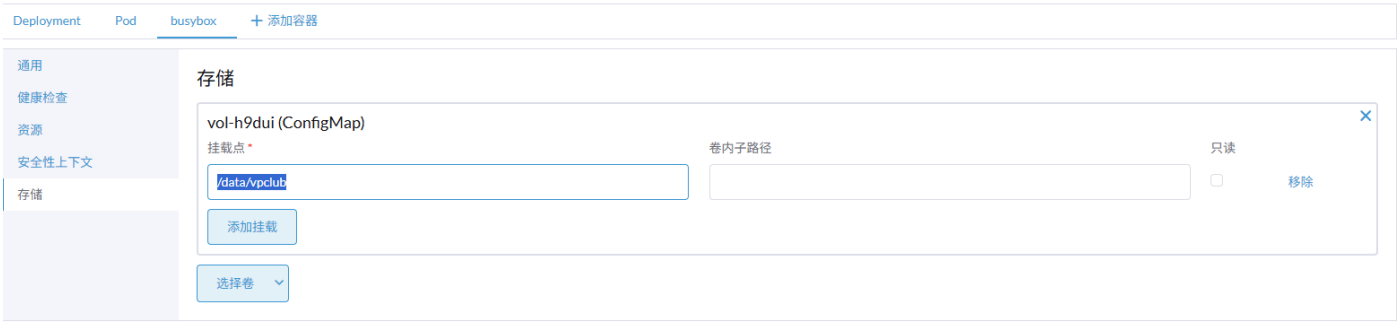
- VPN□ovpn□□**configuration_file.ovpn**

□□□pritunl□□□□□□□□□□□□□□□□



□configmap□□□□□□□□□/data/vpclub





□□ #22
□ □□□ □□ 17 □□ 2024 08:44:57
□ □□□ □□ 2 □□ 2026 08:06:31