

# Role LB - All Variants (CentOS8/Win2019)

## Install haproxy

### Install Software

The installation of haproxy is performed using the following commands:

```
dnf -y install haproxy
mv /etc/haproxy/haproxy.cfg /etc/haproxy/haproxy.cfg.sample
```

The second command renames the installed configuration, as this is not required.

### Activate haproxy

Activate the haproxy service with the following command:

```
systemctl enable haproxy.service
```

## Configure Firewall

Configure the firewall with the following commands:

```
firewall-cmd --zone=public --add-port=80/tcp --permanent
firewall-cmd --zone=public --add-port=443/tcp --permanent
firewall-cmd --zone=public --add-port=7777/tcp --permanent
firewall-cmd --reload
```

## SELinux Configuration

Enable haproxy to open any port with the following selinux command:

```
setsebool -P haproxy_connect_any=1
semanage permissive -a haproxy_t
```

## haproxy Log

To allow the haproxy service to log to the syslog service, the following commands are executed.

The logs from haproxy will be in **/var/log/haproxy.log**

```
sed -i '/module(load="imudp")/s/^#//g' /etc/rsyslog.conf
sed -i '/input(type="imudp")/s/^#//g' /etc/rsyslog.conf
cat <<EOFF>/etc/rsyslog.d/haproxy.conf
local2.* /var/log/haproxy.log
& stop
EOFF
systemctl restart rsyslog
```