

# VyOS

Last modified: 2014-12-12 09:51:31

## Querying system information

Action	Command
IP configuration	show interfaces
Routing	show ip route
Show configuration	show
Show log	monitor log, show log tail

## Basic configuration

Workflow:

```
vyos@vyos $ configure
vyos@vyos # [configuration commands]
vyos@vyos # commit
vyos@vyos # save
vyos@vyos # exit
vyos@vyos $
```

Action	Command
Set host name	set system host-name HOSTNAME
Set DNS server	set system name-server 8.8.8.8
Set DNS forwarding	set service dns forwarding listen-on eth1 set service dns forwarding name-server 8.8.8.8
Turn on SSH access	set service ssh listen-address 0.0.0.0
Keyboard layout <sup>1</sup>	sudo dpkg-reconfigure keyboard-configuration
Set time zone	set system time-zone [TAB]

## Configuring network interfaces

Action	Command
Run "normal" commands in config mode	run COMMAND
Set IP address on interface	set interfaces ethernet eth0 address 192.168.0.1/24
Run DHCP client on interface	set interfaces ethernet eth0 address dhcp
Set interface description	set interfaces ethernet eth0 description WAN

<sup>1</sup>Use in non-config mode

## Static routing

Action	Command
Add route	set protocols static route 192.168.0.0/24 next-hop 10.0.0.1 distance 1
Set default gateway	set protocols static route 0.0.0.0/0 next-hop 10.0.2.2 distance 1
Drop traffic	set protocols static route 172.16.0.0/12 blackhole distance '254'

## RIP

Example with two directly connected networks:

```
# set protocols rip network 192.168.0.0/24
# set protocols rip network 192.168.1.0/24
# set protocols rip redistribute connected
```

## Script template

```
#!/bin/vbash
source /opt/vyatta/etc/functions/script-template

configure

# Fix for error "INIT: Id "T0" respawning too fast: disabled for 5 minutes"
delete system console device ttyS0

# Commands here

commit
save
```

## Resources

- [VyOS homepage](#)
- [User Guide](#)
- [Unofficial Vyatta Wiki](#)
- [Higebu's Git repos](#)