

# OSPF mit Quagga

## 1 Installation

```
apt-get install quagga
```

## 2 IP-Forwarding aktivieren

```
Datei: /etc/sysctl.conf
```

```
net.ipv4.ip_forward=1
```

## 3 OSPF aktivieren

```
Datei: /etc/quagga/daemons
```

```
zebra=yes
```

```
...
```

```
ospfd=yes
```

## 4 Konfigurationsdateien

### Kopieren

/usr/share/doc/quagga/examples/	kopieren	/etc/quagga/
- zebra.conf.sample	=>	- zebra.conf
- ospfd.conf.sample	=>	- ospfd.conf
- vtysh.conf.sample	=>	- vtysh.conf

### Rechte ändern

```
chown quagga:quaggavty /etc/quagga/*.conf
chmod 640 /etc/quagga/*.conf
```

### Quagga neu starten

```
/etc/init.d/quagga restart
```

## 5 Zugriff

```
vtysh
```

## 6 More als Textviewer verwenden

```
Datei: /etc/environment
```

```
VTYSH_PAGER=more
```

## 7 Quellen

- Tutorial: [openmaniak.com/quagga.php](http://openmaniak.com/quagga.php)
- Quagga-Website: [nongnu.org/quagga](http://nongnu.org/quagga)

## 8 Beispielkonfiguration

```
interface eth0
  description link to Cisco router
  ip address 200.0.0.1/24
  link-detect

interface eth1
  description link to Desktop B
  ip address 10.2.0.1/24
  link-detect

interface lo
  ip address 10.200.1.2/32
  link-detect

router ospf
  network 10.2.0.0/24 area 0
  network 10.200.1.2/32 area 0

hostname quagga-router

line vty
  no login

enable password password
```