

## **Comdasy** FAQ: Routing

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## **Disclaimer**

We have taken all possible care to ensure that this manual contains correct, accurate information. However, the manufacturer cannot assume liability for any possible errors. In addition, the manufacturer cannot guarantee that the hardware will meet the purpose you require.

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# 1. RIP / OSPF

## 1.1. Introduction

The Comdasys Convergences understand the routing protocols BGP, OSPF and RIP, but they can't be enabled with the web interface.

## 1.2. Goodies

The support for BGP, OSPF and RIP are considered to be "goodies". This means Comdasys provides the necessary programs but it doesn't officially support them. This is why they can't be enabled with the web interface.

To enable those services you have to log in to your Convergence via SSH or console. You then have to edit the file `/etc/sysconfig/goodies` and set the corresponding service to "yes". E.g. if you'd like to enable OSPF your `/etc/sysconfig/goodies` could look like this:

```
ENABLE_BGPD=no
ENABLE OSPFD=yes
ENABLE OSPF6D=no
ENABLE_RIPD=no
ENABLE_RIPNGD=no
ENABLE_NAMED=no
ENABLE_NTPD=no
```

The enabled services get started on the next restart of your Convergence. You can also start the service by hand by calling `rcospfd start` (Convergences provide easy access to the service scripts in `/etc/rc.d/init.d` by prefixing them with `rc`, similar to SuSE systems).

# 2. Routing within the same subnet

## 2.1. Introduction

In some cases it's desired to have a Convergence do routing for other computers within the same subnet. This can be used for example to limit the traffic to a router.

## 2.2. Firewall rule

Convergences are by default able to do this routing. However, when the Convergence notices that source and target computer are in the same subnet it sends so-called redirect ICMP messages to the source. These inform the source that the target is in the same subnet and that the source should contact the target directly instead of routing through the Convergence. But if that behaviour is not desired we need to turn those messages off. The easiest way is to create or edit the file `/etc/sysconfig/firewall.custom` and add the following rule:

```
iptables -I OUTPUT -p icmp --icmp-type redirect -j DROP
```

Afterwards you need to call `applyfirewall.sh` or press the *Apply changes* button in the web GUI.