



Examples/Example 1:Basic LAN configuration

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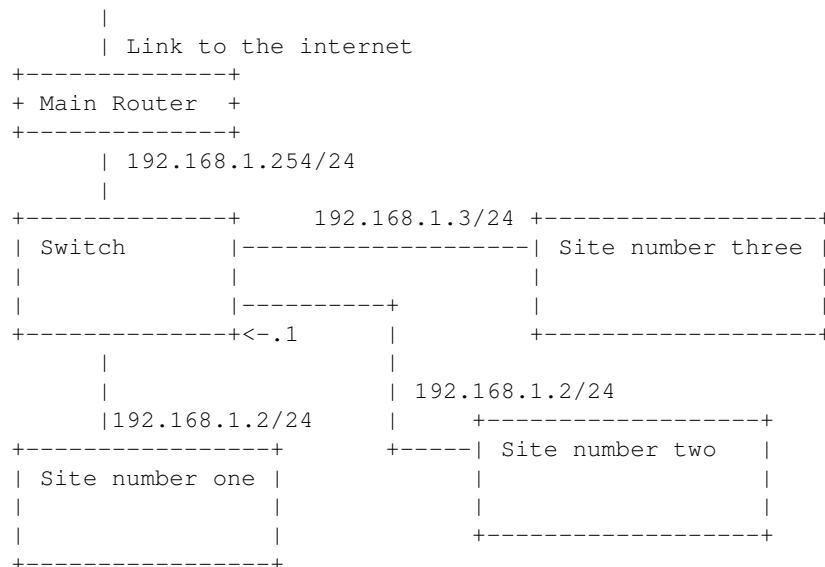
OSPF/Examples/Example 1:Basic LAN configuration

This is meant to be an example, and *not* a complete OSPF (Open Shortest Path First) routing configuration.

Scenario

You have a main router, connected by fiber to three satellite routers each of which have a LAN on a different subnet.

Network Diagram



Remember to save your configurations to flash whenever you are finished configuring your dynamic routing setup! To enable OSPF, do the following:

1. At the Login: prompt, enter root.
2. At the Password: prompt, enter your password.
3. Choose Option 1 (Configuration and Update Menu) from the Main Menu.
4. Select Option 6 (Dynamic Routing Configuration).
5. Select Option 2 (Quagga/Zebra)
6. Select Option 2 (enable) and enable both Quagga/Zebra and ospfd.
7. Go back up to the main Quagga/Zebra menu
8. Select Option 4 (start) and start both Quagga/Zebra and ospfd.

OSPF service is now enabled on boot and running.

In our example above, we will be configuring the "Main Router". From the Quagga/Zebra menu, choose Option 1 (Quagga configuration). Then select Option 3 (ospf configuration). This will connect to the Quagga command line, the default password is zebra. then type *en* to become administrator and type in the following configuration:

```
# This configuration is for the all four routers.
!
hostname ospfd
password zebra
log stdout
!
router ospf
  ospf router-id 192.168.10.1
  redistribute connected
  network 192.168.1.0/24 area 0.0.0.0
!
line vty
```

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