

## OSPFv3 enable IPv6 unicast routing

- Configure OSPF on the interface that it will run on.
- Enable routing.

The first step to configure OSPFv3 under IPv6 is to enable IPv6 unicast routing:

```
R1(config)# ipv6 unicast-routing
```

Also we need to enable the OSPF process:

```
R1(config)# ipv6 router ospf 1
```

There are a few changes in configuring OSPFv3 vs OSPF for IPv4. Instead of using the “network” and “area” commands in ospf router configuration mode you now configure OSPFv3 on a per interface basis using the **ipv6 ospf**

**area**

command in interface configuration mode. For example:

```
R1(config)# interface fa0/0
```

```
R1(config-if)# ipv6 ospf 1 area 0
```

Note: The “network” command does not exist in OSPFv3.