

## OSPF Quick Guide

You can manually specify the ID:

```
R1# router ospf 1
```

```
R1# router-id 2.2.2.2
```

**Passive Interface configuration (doesn't form adjacencies or give out internal information):**

```
R1# router ospf 1
```

```
R1# passive-interface loopback 0
```

```
R1# passive-interface f2/0
```

**Set Loopbacks as Passive Interfaces:**

```
R1# router ospf 1
```

```
R1# passive-interface default (enable passive mode on all routers)
```

```
R1# no passive interface f0/0 (disable passive mode)
```

**Default Route Injection:**

**\*Note** Learns the Internet route dynamically so we need to inject it.

```
R1# 0.0.0.0 0.0.0.0 203.0.113.2
```

```
R1# router ospf 1
```

```
R1# default-information originate
```

**Manual Summarization:**

```
R1# router ospf 1
```

```
R1# network 10.1.0.0 0.0.255.255 area 0
```

```
R1# network 10.0.0.0 0.0.255.255 area 1
```

```
R1# area 0 range 10.1.0.0 255.255.0.0
```

```
R1# area 1 range 10.0.0.0 255.255.0.0
```

