

# EIGRP Verification – show run | section eigrp

```
R1#show run | section eigrp  
router eigrp 100  
  network 10.0.0.0
```

# EIGRP Verification – show ip protocols

```
R1#show ip protocols
*** IP Routing is NSF aware ***
```

## Routing Protocol is "eigrp 100"

```
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks flagged in outgoing updates
Default networks accepted from incoming updates
EIGRP-IPv4 Protocol for AS(100)
  Metric weight K1=1, K2=0, K3=1, K4=0, K5=0
  NSF-aware route hold timer is 240
  Router-ID: 10.0.3.1
  Topology : 0 (base)
    Active Timer: 3 min
    Distance: internal 90 external 170
    Maximum path: 4
    Maximum hopcount 100
    Maximum metric variance 1
```

```
Automatic Summarization: disabled
```

```
Maximum path: 4
```

```
Routing for Networks:
```

```
10.0.0.0
```

```
Routing Information Sources:
```

Gateway	Distance	Last Update
10.0.0.2	90	01:49:37

```
Distance: internal 90 external 170
```



# EIGRP Verification – show ip eigrp interfaces

```
R1#show ip eigrp interfaces
```

```
EIGRP-IPv4 Interfaces for AS(100)
```

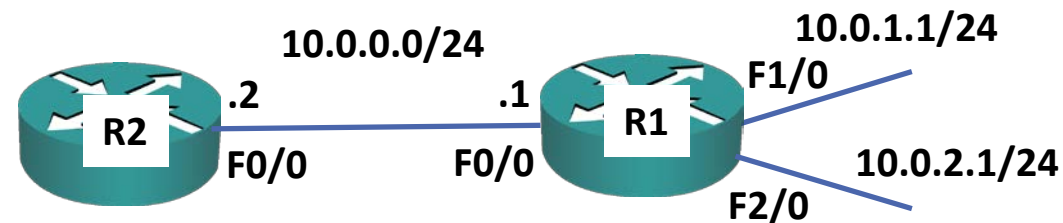
Interface	Peers	Xmit Queue Un/Reliable	PeerQ Un/Reliable	Mean SRTT	Pacing Time Un/Reliable	Multicast Flow Timer	Pending Routes
Fa0/0	1	0/0	0/0	46	0/0	184	0
Fa1/0	0	0/0	0/0	0	0/0	0	0
Fa2/0	0	0/0	0/0	0	0/0	0	0

# EIGRP Verification - show ip eigrp neighbors

```
R2#show ip eigrp neighbors
```

```
EIGRP-IPv4 Neighbors for AS(100)
```

H	Address	Interface	Hold (sec)	Uptime	SRTT (ms)	RTO	Q Cnt	Seq Num
1	10.0.0.1	Fa0/0	13	01:55:26	18	108	0	51



# EIGRP Verification - show ip route

```
R2#show ip route
```

```
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP  
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
```

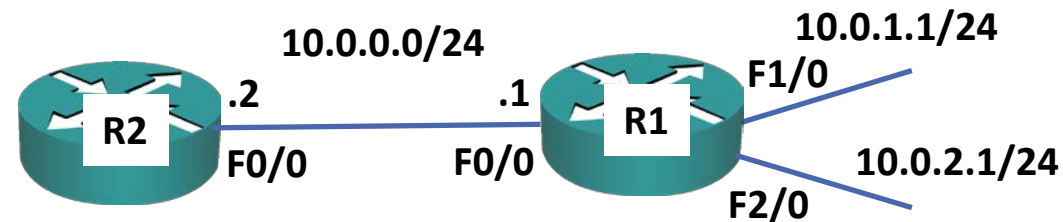
```
10.0.0.0/8 is variably subnetted, 10 subnets, 2 masks
```

```
C       10.0.0.0/24 is directly connected, FastEthernet0/0
```

```
L       10.0.0.2/32 is directly connected, FastEthernet0/0
```

```
D       10.0.1.0/24 [90/30720] via 10.0.0.1, 01:23:44, FastEthernet0/0
```

```
D       10.0.2.0/24 [90/30720] via 10.0.0.1, 01:57:24, FastEthernet0/0
```



# Lab

