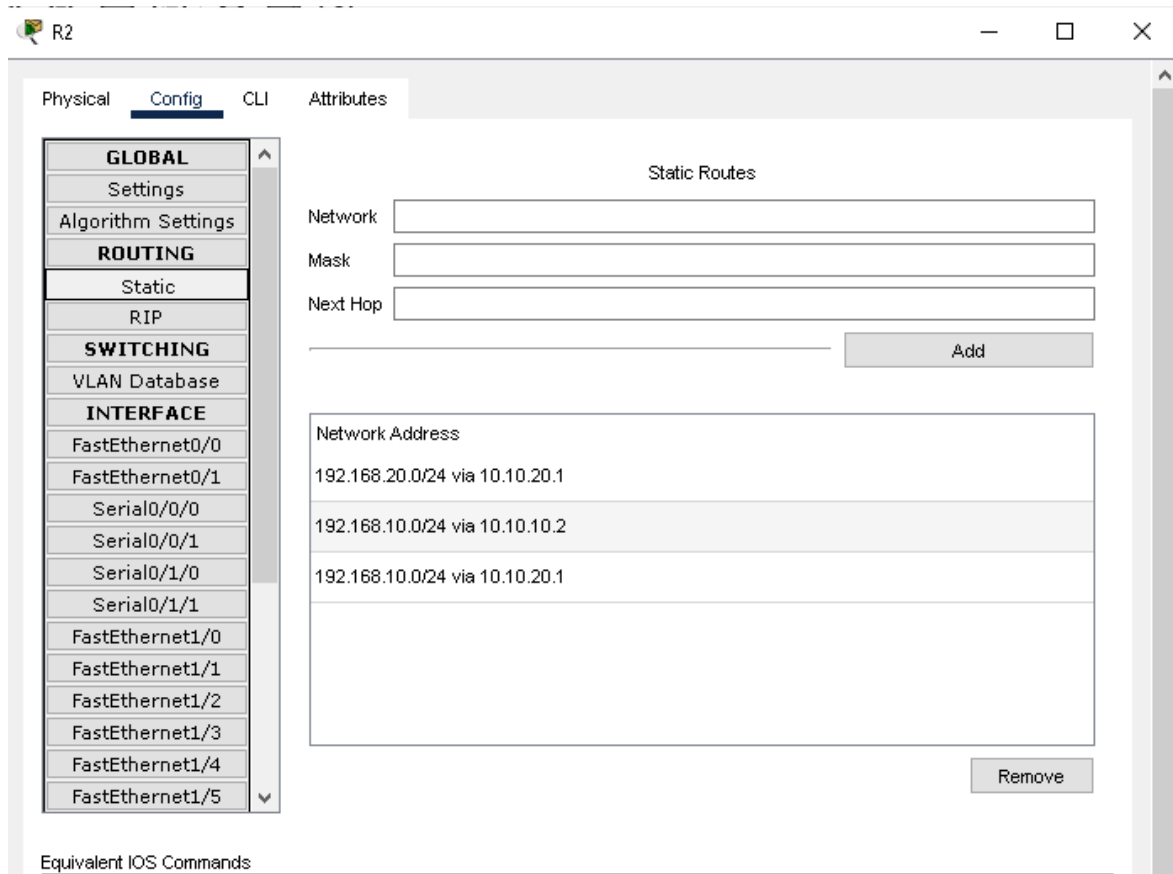


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No 1



The screenshot shows the R2 configuration window with the 'Config' tab selected. The left sidebar contains a tree view with the following categories and items:

- GLOBAL**
 - Settings
 - Algorithm Settings
- ROUTING**
 - Static (selected)
 - RIP
- SWITCHING**
 - VLAN Database
- INTERFACE**
 - FastEthernet0/0
 - FastEthernet0/1
 - Serial0/0/0
 - Serial0/0/1
 - Serial0/1/0
 - Serial0/1/1
 - FastEthernet1/0
 - FastEthernet1/1
 - FastEthernet1/2
 - FastEthernet1/3
 - FastEthernet1/4
 - FastEthernet1/5

The main configuration area is titled 'Static Routes' and contains the following fields:

- Network:
- Mask:
- Next Hop:

Below these fields is an 'Add' button. A table below the 'Add' button shows the current static routes:

Network Address
192.168.20.0/24 via 10.10.20.1
192.168.10.0/24 via 10.10.10.2
192.168.10.0/24 via 10.10.20.1

At the bottom right of the table is a 'Remove' button. At the bottom of the window, there is a section for 'Equivalent IOS Commands'.

R1

Physical **Config** CLI Attributes

GLOBAL

- Settings
- Algorithm Settings

ROUTING

- Static**
- RIP

SWITCHING

- VLAN Database

INTERFACE

- FastEthernet0/0
- FastEthernet0/1
- Serial0/0/0
- Serial0/0/1
- Serial0/1/0
- Serial0/1/1
- FastEthernet1/0
- FastEthernet1/1
- FastEthernet1/2
- FastEthernet1/3
- FastEthernet1/4
- FastEthernet1/5

Static Routes

Network

Mask

Next Hop

Network Address

192.168.10.0/24 via 10.10.10.2
192.168.30.0/24 via 10.10.20.2

Equivalent IOS Commands

R3

Physical **Config** CLI Attributes

GLOBAL

- Settings
- Algorithm Settings

ROUTING

- Static**
- RIP

SWITCHING

- VLAN Database

INTERFACE

- FastEthernet0/0
- FastEthernet0/1
- Serial0/0/0
- Serial0/0/1
- Serial0/1/0
- Serial0/1/1
- FastEthernet1/0
- FastEthernet1/1
- FastEthernet1/2
- FastEthernet1/3
- FastEthernet1/4
- FastEthernet1/5

Static Routes

Network

Mask

Next Hop

Network Address

192.168.20.0/24 via 10.10.10.1
192.168.30.0/24 via 10.10.20.2
192.168.30.0/24 via 10.10.10.1

```
C:\>ping 192.168.10.2
```

```
Pinging 192.168.10.2 with 32 bytes of data:
```

```
Reply from 192.168.10.2: bytes=32 time=16ms TTL=125  
Reply from 192.168.10.2: bytes=32 time=14ms TTL=125  
Reply from 192.168.10.2: bytes=32 time=17ms TTL=125  
Reply from 192.168.10.2: bytes=32 time=24ms TTL=125
```

```
Ping statistics for 192.168.10.2:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 14ms, Maximum = 24ms, Average = 17ms
```

```
Pinging 192.168.20.2 with 32 bytes of data:
```

```
Request timed out.
```

```
Reply from 192.168.20.2: bytes=32 time=16ms TTL=126  
Reply from 192.168.20.2: bytes=32 time=15ms TTL=126  
Reply from 192.168.20.2: bytes=32 time=15ms TTL=126
```

```
Ping statistics for 192.168.20.2:
```

```
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 15ms, Maximum = 16ms, Average = 15ms
```

```
C:\>|
```

```
Minimum = 16ms, Maximum = 16ms, Average = 16ms
```

```
C:\>ping 192.168.30.3
```

```
Pinging 192.168.30.3 with 32 bytes of data:
```

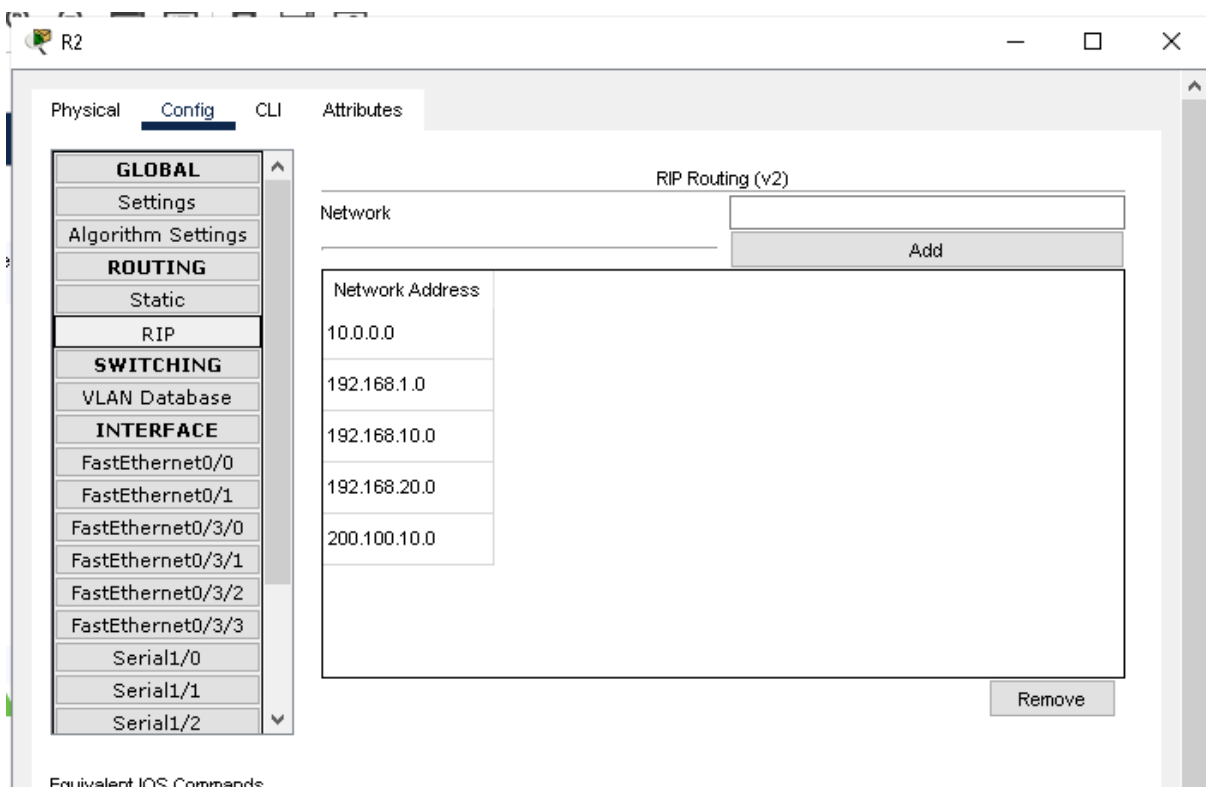
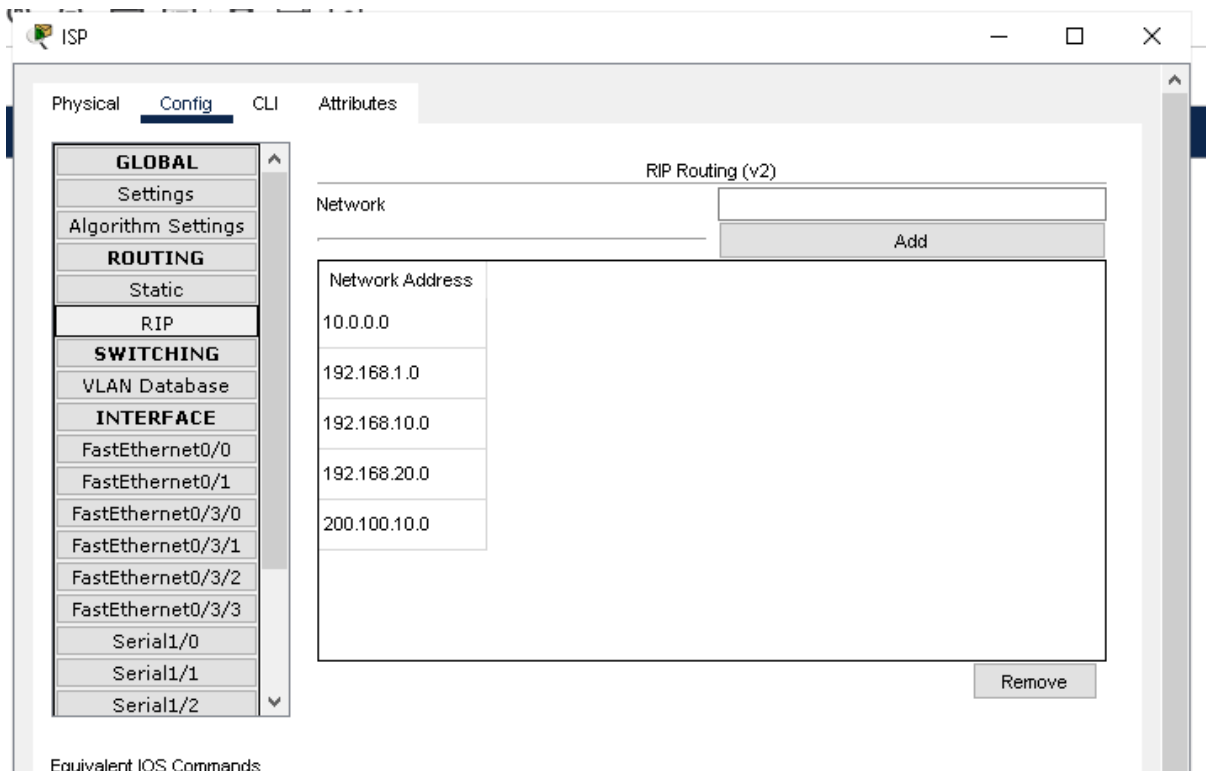
```
Reply from 192.168.30.3: bytes=32 time<1ms TTL=128  
Reply from 192.168.30.3: bytes=32 time<1ms TTL=128  
Reply from 192.168.30.3: bytes=32 time=14ms TTL=128  
Reply from 192.168.30.3: bytes=32 time<1ms TTL=128
```

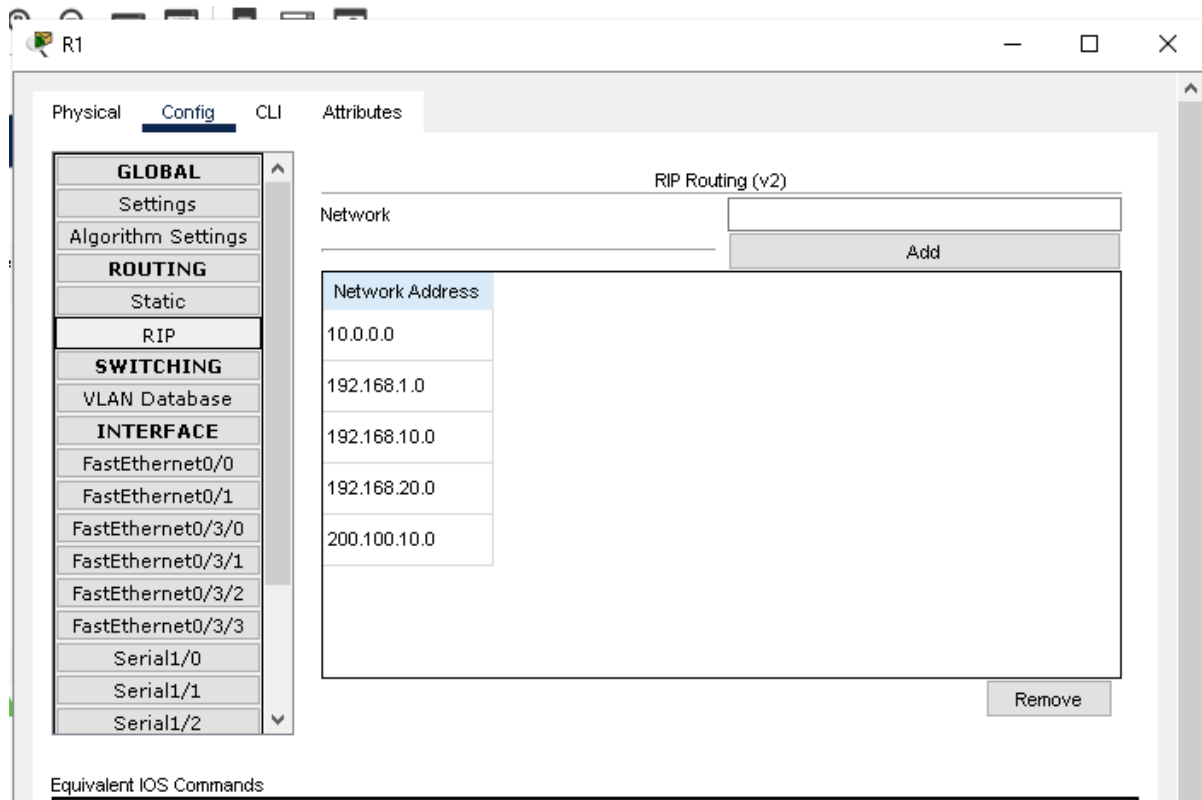
```
Ping statistics for 192.168.30.3:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 0ms, Maximum = 14ms, Average = 3ms
```

```
C:\>|
```

No 2





```
C:\>ping 192.168.20.4

Pinging 192.168.20.4 with 32 bytes of data:

Request timed out.
Reply from 192.168.20.4: bytes=32 time=2ms TTL=126
Reply from 192.168.20.4: bytes=32 time=16ms TTL=126
Reply from 192.168.20.4: bytes=32 time=19ms TTL=126

Ping statistics for 192.168.20.4:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 19ms, Average = 12ms

C:\>
```

```
OS100 Packet Tracer 16 Command Line 1.0
C:\>ping 192.168.10.2

Pinging 192.168.10.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.10.2: bytes=32 time=17ms TTL=126
Reply from 192.168.10.2: bytes=32 time=2ms TTL=126
Reply from 192.168.10.2: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.10.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 17ms, Average = 6ms

C:\>
```

No 3

The screenshot shows the configuration window for router R1 in Cisco Packet Tracer. The 'Config' tab is selected, and the 'Static Routes' section is active. The left sidebar shows a tree view with categories: GLOBAL, ROUTING, SWITCHING, and INTERFACE. Under ROUTING, 'Static' is selected. The main area contains fields for 'Network', 'Mask', and 'Next Hop', followed by an 'Add' button. Below this, a table lists configured static routes. One route is shown: '192.168.1.0/24 via 10.0.0.2'. A 'Remove' button is at the bottom right of the table.

Network Address
192.168.1.0/24 via 10.0.0.2

R2

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.1.0/24 via 172.16.0.2

192.168.0.0/24 via 10.0.0.1

Remove

R3

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.0.0/24 via 172.16.0.1

Remove

```
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 192.168.1.2: bytes=32 time=6ms TTL=125
Reply from 192.168.1.2: bytes=32 time=1ms TTL=125

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 6ms, Average = 3ms

C:\>|
```