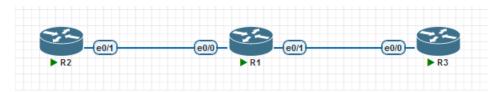
Dynamic Routing Protocol



Config

R1

Would you like to enter the initial configuration dialog? [yes/no]: no

Router>en

Router#conf t

Router(config)#hostname R1

R1(config)#interface loopback 0

R1(config-if)#ip address 1.1.1.1 255.255.255.255

R1(config-if)#exit

R1(config)#interface ethernet 0/0

R1(config-if)#no shutdown

R1(config-if)#ip address 12.1.1.1 255.255.255.0

R1(config-if)#exit

R1(config)#interface ethernet 0/1

R1(config-if)#no shutdown

R1(config-if)#ip address 13.1.1.1 255.255.255.0

R1(config-if)#exit

R1(config)#end

R1#show ip interface brief

```
Interface IP-Address OK? Method Status Protocol Ethernet0/0 12.1.1.1 YES manual up up Ethernet0/1 13.1.1.1 YES manual up up Ethernet0/2 unassigned YES unset administratively down down unassigned YES unset administratively down down Loopback0 1.1.1.1 YES manual up up
```

% Please answer 'yes' or 'no'.

Would you like to enter the initial configuration dialog? [yes/no]: no

Router>en

Router#conf t

Router(config)#hostname R2

R2(config)#interface loopback 0

R2(config-if)#ip address 2.2.2.2 255.255.255.255

R2(config-if)#exit

R2(config)#interface ethernet 0/1

R2(config-if)#ip address 12.1.1.2 255.255.255.0

R2(config-if)#no shutdown

R2(config-if)#end

R2#show ip interface brief

```
R2#show ip interface brief
Interface IP-Address OK? Method Status Protocol
Ethernet0/0 unassigned YES unset administratively down down
Ethernet0/1 12.1.1.2 YES manual up up
Ethernet0/2 unassigned YES unset administratively down down
Ethernet0/3 unassigned YES unset administratively down down
Loopback0 2.2.2.2 YES manual up up
```

R3

% Please answer 'yes' or 'no'.

Would you like to enter the initial configuration dialog? [yes/no]: no

Router>en

Router#conf t

Router(config)#hostname R3

R3(config)#interface loopback 0

R3(config-if)#ip address 3.3.3.3 255.255.255.255

R3(config-if)#exit

R3(config)#interface ethernet 0/0

R3(config-if)#no shutdown

R3(config-if)#ip address 13.1.1.3 255.255.255.0

R3(config-if)#no shutdown

R3(config-if)#end

R3#show ip interface brief

```
R3#show ip interface brief
Interface IP-Address OK? Method Status Protocol
Ethernet0/0 13.1.1.3 YES manual up up
Ethernet0/1 unassigned YES unset administratively down down
Ethernet0/2 unassigned YES unset administratively down down
Ethernet0/3 unassigned YES unset administratively down down
Loopback0 3.3.3.3 YES manual up up
```

RIP

Version 2 classless

no auto-summary is the method in version 1, it is meaningless in the classless protocol

R2

R2>en

R2#conf t

R2(config)#router rip

R2(config-router)#version 2

R2(config-router)#no auto-summary

R2(config-router)#network 12.1.1.0

R2(config-router)#network 2.2.2.2

R2(config-router)#end

R2#show run | section rip

```
R2#show run | section rip
router rip
version 2
network 2.0.0.0
network 12.0.0.0
no auto-summary
```

```
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
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
O - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets
R 1.1.1.1 [120/1] via 12.1.1.1, 00:00:05, Ethernet0/1
2.0.0.0/32 is subnetted, 1 subnets
C 2.2.2.2 is directly connected, Loopback0
3.0.0.0/32 is subnetted, 1 subnets
R 3.3.3.3 [120/2] via 12.1.1.1, 00:00:05, Ethernet0/1
12.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 12.1.1.0/24 is directly connected, Ethernet0/1
13.0.0.0/24 is subnetted, 1 subnets
R 13.1.1.0 [120/1] via 12.1.1.1, 00:00:05, Ethernet0/1
```

R1#conf t

R1(config)#router rip

R1(config-router)#version 2

R1(config-router)#no auto-summary

R1(config-router)#network 12.0.0.0

R1(config-router)#network 1.0.0.0

R1(config-router)#network 13.0.0.0

R1(config-router)#end

R1#show run | section rip

```
R1#show run | section rip
router rip
version 2
network 1.0.0.0
network 12.0.0.0
network 13.0.0.0
no auto-summary
```

R1#show ip route

```
RI#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
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
o - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets
2.0.0.0/32 is subnetted, 1 subnets
2.2.2.2 [120/1] via 12.1.1.2, 00:00:22, Ethernet0/0
3.0.0.0/32 is subnetted, 1 subnets
3.3.3.3 [120/1] via 13.1.1.3, 00:00:06, Ethernet0/1
12.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
1.1.1.0/24 is directly connected, Ethernet0/0
13.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 13.1.1.0/24 is directly connected, Ethernet0/1
13.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 13.1.1.0/24 is directly connected, Ethernet0/1
L 13.1.1.1/32 is directly connected, Ethernet0/1
```

R3(config)#router rip

R3(config-router)#version 2

R3(config-router)#no auto-summary

R3(config-router)#network 3.0.0.0

R3(config-router)#network 13.0.0.0

R3(config-router)#end

R3#show run | section rip

```
R3#show run | section rip
router rip
version 2
network 3.0.0.0
network 13.0.0.0
no auto-summary
```

```
R3#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
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
O - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets
R 1.1.1 [120/1] via 13.1.1.1, 00:00:04, Ethernet0/0
2.0.0.0/32 is subnetted, 1 subnets
C 2.2.2 [120/2] via 13.1.1.1, 00:00:04, Ethernet0/0
3.0.0.0/32 is subnetted, 1 subnets
C 3.3.3.3 is directly connected, Loopback0
12.0.0.0/24 is subnetted, 1 subnets
R 12.1.1.0 [120/1] via 13.1.1.1, 00:00:04, Ethernet0/0
13.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 13.1.1.0/24 is directly connected, Ethernet0/0
13.1.1.3/32 is directly connected, Ethernet0/0
```

RIP Result

R1

```
R1#ping 3.3.3.3 source 1.1.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 3.3.3.3, timeout is 2 seconds:
Packet sent with a source address of 1.1.1.1
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 39/52/62 ms
R1#ping 2.2.2.2 sou
R1#ping 2.2.2.2 source 1.1.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 2.2.2.2, timeout is 2 seconds:
Packet sent with a source address of 1.1.1.1
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 46/55/64 ms
```

```
R2#ping 3.3.3.3 sou
R2#ping 3.3.3.3 source 2.2.2.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 3.3.3.3, timeout is 2 seconds:
Packet sent with a source address of 2.2.2.2
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 15/35/42 ms
R2#ping 1.1.1.1 sou
R2#ping 1.1.1.1 source 2.2.2.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
Packet sent with a source address of 2.2.2.2
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 41/51/64 ms
```

```
R3#ping 2.2.2.2 source 3.3.3.3
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 2.2.2.2, timeout is 2 seconds:
Packet sent with a source address of 3.3.3.3
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 17/48/65 ms
R3#ping 1.1.1.1 sou
R3#ping 1.1.1.1 source 3.3.3.3
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
Packet sent with a source address of 3.3.3.3
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 14/40/57 ms
```

EIGRP

R1

R1(config)#no router rip

R1(config)#router eigrp 90

R1(config-router)#no auto-summary

R1(config-router)#eigrp router-id 1.1.1.1

R1(config-router)#network 1.1.1.1 0.0.0.0

R1(config-router)#network 12.1.1.1 0.0.0.0

R1(config-router)#network 13.1.1.1 0.0.0.0

R1(config-router)#end

R1#show run | section eigrp

```
Rl#show run | sec
Rl#show run | section eigrp
router eigrp 90
network 1.1.1.1 0.0.0.0
network 1.2.1.1.1 0.0.0.0
network 12.1.1.1 0.0.0.0
eigrp router-id 1.1.1.1
Rl#
*Jun 18 22:33:13.374: %DUAL-5-NBRCHANGE: EIGRP-IPv4 90: Neighbor 12.1.1.2 (Ethernet0/0) is down: holding time expired
Rl#
Rl#
*Jun 18 22:37:34.877: %DUAL-5-NBRCHANGE: EIGRP-IPv4 90: Neighbor 12.1.1.2 (Ethernet0/0) is up: new adjacency
Rl#
Rl#
Rl#
Rl#
*Jun 18 22:37:34.878: %DUAL-5-NBRCHANGE: EIGRP-IPv4 90: Neighbor 12.1.1.2 (Ethernet0/0) is up: new adjacency
Rl#
Rl#
*Jun 18 22:39:21.418: %DUAL-5-NBRCHANGE: EIGRP-IPv4 90: Neighbor 13.1.1.3 (Ethernet0/1) is up: new adjacency
```

```
R1#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
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
o - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets
2.0.0.0/32 is subnetted, 1 subnets
2.2.2.2 [90/409600] via 12.1.1.2, 00:08:28, Ethernet0/0
3.0.0.0/32 is subnetted, 1 subnets
D 3.3.3.3 [90/409600] via 13.1.1.3, 00:06:49, Ethernet0/1
12.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 12.1.1.0/24 is directly connected, Ethernet0/0
13.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 13.1.1.0/24 is directly connected, Ethernet0/1
13.0.1.1/32 is directly connected, Ethernet0/1
```

R2(config)#router eigrp 90

R2(config-router)#no auto-summary

R2(config-router)#eigrp router-id 2.2.2.2

R2(config-router)#network 12.1.1.2 0.0.0.0

R2(config-router)#network 2.2.2.2 0.0.0.0

R2(config-router)#end

R2#show run | section eigrp

```
R2#show run | section eigrp
router eigrp 90
network 2.2.2.2 0.0.0.0
network 12.1.1.2 0.0.0.0
eigrp router-id 2.2.2.2
```

```
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
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
O - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets
D 1.1.1.1 [90/409600] via 12.1.1.1, 00:04:19, Ethernet0/1
2.0.0.0/32 is subnetted, 1 subnets
C 2.2.2.2 is directly connected, Loopback0
3.0.0.0/32 is subnetted, 1 subnets
D 3.3.3.3 [90/435200] via 12.1.1.1, 00:02:35, Ethernet0/1
12.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 12.1.1.0/24 is directly connected, Ethernet0/1
13.0.0.0/24 is subnetted, 1 subnets
D 13.1.1.0 [90/307200] via 12.1.1.1, 00:04:19, Ethernet0/1
```

R3(config)#no router rip

R3(config)#router eigrp 90

R3(config-router)#no auto-summary

R3(config-router)#eigrp router-id 3.3.3.3

R3(config)#router eigrp 90

R3(config-router)#no auto-summary

R3(config-router)#network 3.3.3.3 0.0.0.0

R3(config-router)#network 13.1.1.3 0.0.0.0

R3(config-router)#end

R3#show run | section eigrp

```
R3#show run | section eigrp
router eigrp 90
network 3.3.3.3 0.0.0.0
network 13.1.1.3 0.0.0.0
eigrp router-id 3.3.3.3
```

```
R3#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
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
O - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets
D 1.1.1.1 [90/409600] via 13.1.1.1, 00:14:40, Ethernet0/0
2.0.0.0/32 is subnetted, 1 subnets
D 2.2.2.2 [90/435200] via 13.1.1.1, 00:14:40, Ethernet0/0
3.0.0.0/32 is subnetted, 1 subnets
C 3.3.3.3 is directly connected, Loopback0
12.0.0.0/24 is subnetted, 1 subnets
D 12.1.1.0 [90/307200] via 13.1.1.1, 00:14:40, Ethernet0/0
13.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 13.1.1.0/24 is directly connected, Ethernet0/0
L 13.1.1.3/32 is directly connected, Ethernet0/0
```

EIGRP Result

R1

```
R1#ping 2.2.2.2 source 1.1.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 2.2.2.2, timeout is 2 seconds:
Packet sent with a source address of 1.1.1.1
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 40/51/64 ms
R1#ping 3.3.3 sou
R1#ping 3.3.3 source 1.1.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 3.3.3.3, timeout is 2 seconds:
Packet sent with a source address of 1.1.1.1
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 39/49/88 ms
```

```
R2#ping 3.3.3.3 source 2.2.2.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 3.3.3.3, timeout is 2 seconds:
Packet sent with a source address of 2.2.2.2
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 2/40/57 ms
R2#ping 1.1.1.1 sou
R2#ping 1.1.1.1 source 2.2.2.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
Packet sent with a source address of 2.2.2.2
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 8/33/40 ms
```

```
R3#ping 1.1.1.1 sou
R3#ping 1.1.1.1 source 3.3.3.3
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
Packet sent with a source address of 3.3.3.3
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 30/41/55 ms
R3#ping 2.2.2.2 sou
R3#ping 2.2.2.2 source 3.3.3.3
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 2.2.2.2, timeout is 2 seconds:
Packet sent with a source address of 3.3.3.3
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 2/40/81 ms
```

OSPF

R1

R1(config)#no router eigrp 90

R1(config)#router ospf 110

R1(config-router)#router-id 1.1.1.1

R1(config-router)#network 1.1.1.1 0.0.0.0 area 0

R1(config-router)#network 12.1.1.1 0.0.0.0 area 0

R1(config-router)#network 13.1.1.1 0.0.0.0 area 0

R1(config-router)#end

R1#show run | section ospf

```
R1#show run | section ospf
router ospf 110
router-id 1.1.1.1
network 1.1.1.1 0.0.0.0 area 0
network 12.1.1.1 0.0.0.0 area 0
network 13.1.1.1 0.0.0.0 area 0
```

```
R1#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
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
o - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets
2.0.0.0/32 is subnetted, 1 subnets
2.2.2.2 [110/11] via 12.1.1.2, 00:04:24, Ethernet0/0
3.0.0.0/32 is subnetted, 1 subnets
0 3.3.3.3 [110/11] via 13.1.1.3, 00:01:52, Ethernet0/1
12.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 12.1.1.0/24 is directly connected, Ethernet0/0
13.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 13.1.1.0/24 is directly connected, Ethernet0/1
L 13.1.1.1/32 is directly connected, Ethernet0/1
L 13.1.1.1/32 is directly connected, Ethernet0/1
```

R2(config)#no router eigrp 90

R2(config)#router ospf 110

R2(config-router)#router-id 2.2.2.2

R2(config-router)#network 2.2.2.2 0.0.0.0 area 0

R2(config-router)#network 12.1.1.2 0.0.0.0 area 0

R2(config-router)#end

R2#show run | section ospf

```
R2#show run | section ospf
router ospf 110
router-id 2.2.2.2
network 2.2.2.2 0.0.0.0 area 0
network 12.1.1.2 0.0.0.0 area 0
```

R3(config)#no router eigrp 90

R3(config)#router ospf 110

R3(config-router)#router-id 3.3.3.3

R3(config-router)#network 3.3.3.3 0.0.0.0 area 0

R3(config-router)#network 13.1.1.3 0.0.0.0 area 0

R3(config-router)#end

R3#show run | section ospf

```
R3#show run | section ospf
router ospf 110
router-id 3.3.3.3
network 3.3.3.3 0.0.0.0 area 0
network 13.1.1.3 0.0.0.0 area 0
```

OSPF Result

R1

```
R1#ping 2.2.2.2 sou
R1#ping 2.2.2.2 source 1.1.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 2.2.2.2, timeout is 2 seconds:
Packet sent with a source address of 1.1.1.1
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 40/51/75 ms
R1#ping 3.3.3.3 source 1.1.1.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 3.3.3.3, timeout is 2 seconds:
Packet sent with a source address of 1.1.1.1
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 49/57/65 ms
```

```
R2#ping 1.1.1.1 source 2.2.2.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
Packet sent with a source address of 2.2.2.2
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 39/47/55 ms
R2#ping 3.3.3.3 sou
R2#ping 3.3.3.3 source 2.2.2.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 3.3.3.3, timeout is 2 seconds:
Packet sent with a source address of 2.2.2.2
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 29/48/63 ms
```

```
R3#ping 1.1.1.1 source 3.3.3.3
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
Packet sent with a source address of 3.3.3.3
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 13/42/61 ms
R3#ping 2.2.2.2 sou
R3#ping 2.2.2.2 source 3.3.3.3
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 2.2.2.2, timeout is 2 seconds:
Packet sent with a source address of 3.3.3.3
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 24/52/62 ms
```