Cisco Packet Tracer PC Command Line 1.0

C:\>tracert 192.0.0.10

Tracing route to 192.0.0.10 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 192.168.10.1

2 0 ms \* 0 ms 192.168.10.1

3 \* 0 ms \* Request timed out.

4 0 ms

Control-C

^C

C:\>tracert 198.0.0.10

Tracing route to 198.0.0.10 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 192.168.10.1

2 0 ms \* 0 ms 192.168.10.1

3 \* 0 ms \* Request timed out.

4 0 ms \* 0 ms 192.168.10.1

5 \* 0 ms

Control-C

^C

C:\>tracert 198.0.0.10

Tracing route to 198.0.0.10 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 192.168.10.1

2 0 ms 2 ms 2 ms 10.10.10.1

3 \* 0 ms 1 ms 198.0.0.10

Trace complete.

C:\>tracert 2001.DB8:F:F::10

Tracert request could not find host 2001.DB8:F:F::10. Please check the name and try again.

C:\>tracert 2001:DB8:F:F::10

Tracing route to 2001:DB8:F:F::10 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 2001:DB8:1:10::1

2 3 ms 0 ms 0 ms 2001:DB8:A:1::1

3 1 ms 1 ms 0 ms 2001:DB8:F:F::10

Trace complete.

C:\>tracert 2001:DB8:F:F::10

Tracing route to 2001:DB8:F:F::10 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 2001:DB8:1:10::1

2 7 ms 1 ms 1 ms 2001:DB8:A:2::1

3 0 ms 1 ms 1 ms 2001:DB8:F:F::10

Trace complete.

C:\>

Edge\_Router>en

Edge\_Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Edge\_Router(config)#ip route 0.0.0.0 0.0.0.0 se0/0/0

%Default route without gateway, if not a point-to-point interface, may impact performance

Edge\_Router(config)#exit

Edge\_Router#

%SYS-5-CONFIG\_I: Configured from console by console

Edge\_Router#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, E - EGP

i - IS-IS, 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

Gateway of last resort is 0.0.0.0 to network 0.0.0.0

10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks

C 10.10.10.0/30 is directly connected, Serial0/0/0

L 10.10.10.2/32 is directly connected, Serial0/0/0

C 10.10.10.4/30 is directly connected, Serial0/0/1

L 10.10.10.6/32 is directly connected, Serial0/0/1

192.168.10.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.10.0/24 is directly connected, GigabitEthernet0/0

L 192.168.10.1/32 is directly connected, GigabitEthernet0/0

192.168.11.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.11.0/24 is directly connected, GigabitEthernet0/1

L 192.168.11.1/32 is directly connected, GigabitEthernet0/1

S\* 0.0.0.0/0 is directly connected, Serial0/0/0

--More--

Edge\_Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Edge\_Router(config)#int se0/0/0

Edge\_Router(config-if)#no shut

Edge\_Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

Edge\_Router(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Edge\_Router(config-if)#exit

Edge\_Router(config)#exit

Edge\_Router#

%SYS-5-CONFIG\_I: Configured from console by console

Edge\_Router#show ip route

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP

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L 10.10.10.6/32 is directly connected, Serial0/0/1

192.168.10.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.10.0/24 is directly connected, GigabitEthernet0/0

L 192.168.10.1/32 is directly connected, GigabitEthernet0/0

192.168.11.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.11.0/24 is directly connected, GigabitEthernet0/1

L 192.168.11.1/32 is directly connected, GigabitEthernet0/1

S\* 0.0.0.0/0 is directly connected, Serial0/0/0

Edge\_Router#

Edge\_Router#

Edge\_Router#

Edge\_Router#

Edge\_Router#

Edge\_Router#

Edge\_Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Edge\_Router(config)#ipv6 uni

Edge\_Router(config)#ipv6 unicast-routing

Edge\_Router(config)#ipv6 route ::/0 2001:DB8:A:2::1 5

Edge\_Router(config)#exit

Edge\_Router#

%SYS-5-CONFIG\_I: Configured from console by console

Edge\_Router#show ipv6 route

IPv6 Routing Table - 10 entries

Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP

U - Per-user Static route, M - MIPv6

I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary

ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redirect

O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2

ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2

D - EIGRP, EX - EIGRP external

S ::/0 [1/0]

via 2001:DB8:A:1::1

C 2001:DB8:1:10::/64 [0/0]

via GigabitEthernet0/0, directly connected

L 2001:DB8:1:10::1/128 [0/0]

via GigabitEthernet0/0, receive

C 2001:DB8:1:11::/64 [0/0]

via GigabitEthernet0/1, directly connected

L 2001:DB8:1:11::1/128 [0/0]

via GigabitEthernet0/1, receive

C 2001:DB8:A:1::/64 [0/0]

via Serial0/0/0, directly connected

L 2001:DB8:A:1::2/128 [0/0]

via Serial0/0/0, receive

C 2001:DB8:A:2::/64 [0/0]

via Serial0/0/1, directly connected

L 2001:DB8:A:2::2/128 [0/0]

via Serial0/0/1, receive

L FF00::/8 [0/0]

via Null0, receive

Edge\_Router#

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Edge\_Router#

Edge\_Router#

Edge\_Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Edge\_Router(config)#int se0/0/0

Edge\_Router(config-if)#shut

Edge\_Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to down

Edge\_Router(config-if)#exit

Edge\_Router(config)#exit

Edge\_Router#

%SYS-5-CONFIG\_I: Configured from console by console

Edge\_Router#show ip route

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP

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L 192.168.11.1/32 is directly connected, GigabitEthernet0/1

S\* 0.0.0.0/0 is directly connected, Serial0/0/1

Edge\_Router#

Edge\_Router#