Edge\_Router

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#

Edge\_Router#conf t

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

Edge\_Router(config)#ipv6 route

% Incomplete command.

Edge\_Router(config)#ip ?

access-list Named access-list

cef Cisco Express Forwarding

default-gateway Specify default gateway (if not routing IP)

default-network Flags networks as candidates for default routes

dhcp Configure DHCP server and relay parameters

domain IP DNS Resolver

domain-lookup Enable IP Domain Name System hostname translation

domain-name Define the default domain name

flow-export Specify host/port to send flow statistics

forward-protocol Controls forwarding of physical and directed IP broadcasts

ftp FTP configuration commands

host Add an entry to the ip hostname table

local Specify local options

name-server Specify address of name server to use

nat NAT configuration commands

route Establish static routes

routing Enable IP routing

scp Scp commands

ssh Configure ssh options

tcp Global TCP parameters

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

Edge\_Router(config)#show run

^

% Invalid input detected at '^' marker.

Edge\_Router(config)#exit

Edge\_Router#

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

Edge\_Router#show run

Building configuration...

Current configuration : 1242 bytes

!

version 15.1

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname Edge\_Router

!

!

!

!

!

!

!

!

ip cef

ipv6 unicast-routing

!

no ipv6 cef

!

!

!

!

license udi pid CISCO1941/K9 sn FTX1524LV4H

!

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

!

!

!

!

!

!

interface GigabitEthernet0/0

ip address 192.168.10.1 255.255.255.0

duplex auto

speed auto

ipv6 address FE80::E link-local

ipv6 address 2001:DB8:1:10::1/64

!

interface GigabitEthernet0/1

ip address 192.168.11.1 255.255.255.0

duplex auto

speed auto

ipv6 address FE80::E link-local

ipv6 address 2001:DB8:1:11::1/64

!

interface Serial0/0/0

ip address 10.10.10.2 255.255.255.252

ipv6 address FE80::E link-local

ipv6 address 2001:DB8:A:1::2/64

shutdown

!

interface Serial0/0/1

ip address 10.10.10.6 255.255.255.252

ipv6 address FE80::E link-local

ipv6 address 2001:DB8:A:2::2/64

!

interface Vlan1

no ip address

shutdown

!

ip classless

ip route 0.0.0.0 0.0.0.0 Serial0/0/0

ip route 0.0.0.0 0.0.0.0 Serial0/0/1 5

!

ip flow-export version 9

!

ipv6 route ::/0 2001:DB8:A:1::1

ipv6 route ::/1 2001:BD8:A:2::1

ipv6 route ::/0 2001:DB8:A:2::1 5

!

!

!

!

!

!

!

line con 0

!

line aux 0

!

line vty 0 4

login

!

!

!

end

Edge\_Router# interface s0/0/0

^

% Invalid input detected at '^' marker.

Edge\_Router#conf t

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

Edge\_Router(config)#int

Edge\_Router(config)#interface s0/0/0

Edge\_Router(config-if)#shutdown

Edge\_Router(config-if)#end

Edge\_Router#

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

Edge\_Router#show ipv6 route

IPv6 Routing Table - 8 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 [5/0]

via 2001:DB8:A:2::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: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# tracert 2001:db8:f:f::10

^

% Invalid input detected at '^' marker.

Edge\_Router#conf t

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

Edge\_Router(config)#interface s0/0/0

Edge\_Router(config-if)#no shut

Edge\_Router(config-if)#no shutdown

Edge\_Router(config-if)#

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

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

Edge\_Router(config-if)#end

Edge\_Router#

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

PC-A

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

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

Trace complete.

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

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

Trace complete.