Router 5 running-configuration:

R5#show run

Building configuration...

Current configuration : 3968 bytes

! Last configuration change at 21:37:35 UTC Thu Sep 15 2022

version 16.9

service timestamps debug datetime msec

service timestamps log datetime msec

platform qfp utilization monitor load 80

platform punt-keepalive disable-kernel-core

hostname R5

boot-start-marker

boot-end-marker

vrf definition Mgmt-intf

address-family ipv4

exit-address-family

address-family ipv6

exit-address-family

no aaa new-model

login on-success log

subscriber templating

ipv6 unicast-routing

multilink bundle-name authenticated

crypto pki trustpoint TP-self-signed-2270144787

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-2270144787

revocation-check none

rsakeypair TP-self-signed-2270144787

crypto pki certificate chain TP-self-signed-2270144787

certificate self-signed 01

30820330 30820218 A0030201 02020101 300D0609 2A864886 F70D0101 05050030

31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274

69666963 6174652D 32323730 31343437 3837301E 170D3232 30393135 32313236

35305A17 0D333030 31303130 30303030 305A3031 312F302D 06035504 03132649

4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 32373031

34343738 37308201 22300D06 092A8648 86F70D01 01010500 0382010F 00308201

0A028201 010099A1 D112D84B 09E91477 6DFDD2CF 475C6661 58EB0C55 ED39DACD

6A2D61CB 03917BF4 3B2B4311 19F62F5B FB3AED85 8E38157F B6F42C8B 12BBE275

2E63E091 2A322207 9833FD62 322E89C5 EBDA7F5A ADE123FF 105343F5 E0154C3B

29D4A0B6 CDA06ED6 43938744 3773D82A 1F96CB82 86F678F0 493BD8CE 6A89E5DB

3D9EAD7B 89ADA39B 21CCC9B5 FB9A367C 46E117DF 0E76C574 5661500B 9054B7E5

E86C675B E8B16DFE 51EF7F3E 62FD0755 9300D140 B9564CE1 37C9FC5B 47F72383

40C3FF24 3CA6F580 0B05A22C AFB77A58 B95DCAE9 2CF588CB B5C673FD D94E821F

5D7CD87C 36D70514 CEDBDFBC 7CC56C38 8841BA30 E8584BB4 D49F5C70 4BAD0A1B

AEF58FA0 20550203 010001A3 53305130 0F060355 1D130101 FF040530 030101FF

301F0603 551D2304 18301680 147154EF 28B42F2E ECF0CF03 2FDA2978 011F4E31

6C301D06 03551D0E 04160414 7154EF28 B42F2EEC F0CF032F DA297801 1F4E316C

300D0609 2A864886 F70D0101 05050003 82010100 04955B1A 28653729 F2794527

5F5EDBA8 53C83AE2 58D16D21 4E8D11DE 349672E0 5DF90305 381888E8 FEEE4722

88693F85 931FC64F 64C365DC 2E72B9F5 0D5AD469 6BE8DA6D E753BAE5 E7FB4CBA

538F8D8F 8D2879E6 956F10D5 EE7A9AEE 210850A7 A3328B27 E8C8B044 78F6EEBC

AABF805E 52858A59 F34449C8 313ECD38 5F76CC65 015EF64B 1A227C60 46C40FA6

A5EA0671 2782DCAA C31E9A4E B038CC93 2DD0603D 2E11A38D EAA7E02F 4E7923C1

3C8E9F7E 9FC5314C CE2A72C8 80BD2B9E BA169932 55F22104 D75AD07F DF9BF85F

7139D645 71916E1C 8975C56B 16CB854C 89FF0D5B 3CF15BDB 2206B558 D617B0E0

E6B30D11 30171927 6F264EE3 0CEE3A10 EF9C0276

quit

license udi pid ISR4321/K9 sn FLM24060912

no license smart enable

diagnostic bootup level minimal

spanning-tree extend system-id

redundancy

mode none

interface GigabitEthernet0/0/0

ip address 10.0.5.1 255.255.255.0

ip ospf 1 area 2

negotiation auto

ipv6 address FE80::1 link-local

ipv6 address 2001:DB8:ACAD:6::2/64

ipv6 ospf 1 area 2

interface GigabitEthernet0/0/1

ip address 10.0.4.2 255.255.255.0

ip ospf 1 area 2

negotiation auto

ipv6 address FE80::2 link-local

ipv6 address 2001:DB8:ACAD:5::1/64

ipv6 ospf 1 area 2

interface GigabitEthernet0/2/0

negotiation auto

interface GigabitEthernet0/2/1

negotiation auto

interface GigabitEthernet0

vrf forwarding Mgmt-intf

no ip address

shutdown

negotiation auto

router ospfv3 1

router-id 5.5.5.5

address-family ipv6 unicast

exit-address-family

router ospf 1

network 10.0.4.0 0.0.0.255 area 2

network 10.0.5.0 0.0.0.255 area 2

ip forward-protocol nd

ip http server

ip http authentication local

ip http secure-server

ip tftp source-interface GigabitEthernet0

control-plane

line con 0

transport input none

stopbits 1

line aux 0

stopbits 1

line vty 0 4

login

end

Router 5IPv4 and IPv6 routes:

R5#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

10.0.0.0/8 is variably subnetted, 9 subnets, 2 masks

O IA 10.0.0.0/24 [110/5] via 10.0.4.1, 00:14:50, GigabitEthernet0/0/1

O IA 10.0.1.0/24 [110/4] via 10.0.4.1, 00:14:50, GigabitEthernet0/0/1

O IA 10.0.2.0/24 [110/3] via 10.0.4.1, 00:14:50, GigabitEthernet0/0/1

O IA 10.0.3.0/24 [110/2] via 10.0.4.1, 00:14:50, GigabitEthernet0/0/1

C 10.0.4.0/24 is directly connected, GigabitEthernet0/0/1

L 10.0.4.2/32 is directly connected, GigabitEthernet0/0/1

C 10.0.5.0/24 is directly connected, GigabitEthernet0/0/0

L 10.0.5.1/32 is directly connected, GigabitEthernet0/0/0

O 10.0.6.0/24 [110/2] via 10.0.5.2, 00:14:34, GigabitEthernet0/0/0

R5#show ipv6 route

IPv6 Routing Table - default - 10 entries

Codes: C - Connected, L - Local, S - Static, U - Per-user Static route

B - BGP, R - RIP, I1 - ISIS L1, I2 - ISIS L2

IA - ISIS interarea, IS - ISIS summary, D - EIGRP, EX - EIGRP external

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, a - Application

OI 2001:DB8:ACAD:1::/64 [110/4]

via FE80::1, GigabitEthernet0/0/1

OI 2001:DB8:ACAD:2::/64 [110/5]

via FE80::1, GigabitEthernet0/0/1

OI 2001:DB8:ACAD:3::/64 [110/3]

via FE80::1, GigabitEthernet0/0/1

OI 2001:DB8:ACAD:4::/64 [110/2]

via FE80::1, GigabitEthernet0/0/1

C 2001:DB8:ACAD:5::/64 [0/0]

via GigabitEthernet0/0/1, directly connected

L 2001:DB8:ACAD:5::1/128 [0/0]

via GigabitEthernet0/0/1, receive

C 2001:DB8:ACAD:6::/64 [0/0]

via GigabitEthernet0/0/0, directly connected

L 2001:DB8:ACAD:6::2/128 [0/0]

via GigabitEthernet0/0/0, receive

O 2001:DB8:ACAD:7::/64 [110/2]

via FE80::2, GigabitEthernet0/0/0

L FF00::/8 [0/0]

via Null0, receive

R5#