Router 5 running-configuration

R5#show run

Building configuration...

Current configuration : 4062 bytes

! Last configuration change at 19:29:16 UTC Wed Sep 7 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 30393037 31393039

31385A17 0D333030 31303130 30303030 305A3031 312F302D 06035504 03132649

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

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

0A028201 0100BD7C 7F9B15C7 44EDBB21 12AC1874 7D799F00 D95D7F55 10774F50

43CE3BE7 BC44FE67 90E52F6A E562E0B3 FB140ABE 8EB3E395 2F91058E 1EFEB215

A2175EAB D0ADC71A 0E50D139 446D1100 545F8838 1BEEB7B6 59C0993C 5FDE5131

761390B3 D137A4EA 7B147B10 75DBA9A3 34608ACC E567B377 A815AAB4 E87EECB6

57E67F45 4E5021EF AC3577C2 03900795 CA2F606A FF140794 11C5CD4C 5BAAAA84

55E7DECB 1A82D507 F542E4FA A1FA85C3 9C57578A 71B5BC63 93CE0974 30E4ABE6

4A1C7906 87103920 03B42E66 8691807A 652A450E 593C85DC D2FD5F4A 1B033931

91795CCD 5B88A8EA 3355978D 972DD028 283AD2B9 DF6B8DCB 5A90B636 4EFC44A8

F8412831 2DE10203 010001A3 53305130 0F060355 1D130101 FF040530 030101FF

301F0603 551D2304 18301680 1453F973 751D6C7F 0A8084A5 BD3C1C30 E7665BF1

A8301D06 03551D0E 04160414 53F97375 1D6C7F0A 8084A5BD 3C1C30E7 665BF1A8

300D0609 2A864886 F70D0101 05050003 82010100 7A885087 F2DBBD61 059506DC

0E395B94 BFE354E9 BE2006D1 4CCAEF8C 943B3379 1A798E89 BE438E61 FB363F9A

7E339ED9 C4F00823 AC63E585 CBB3012B E55B4B9F 7482E6D3 59328B7B 448EFBE5

7CA4338B 879EF99A B29B0DDE 7A42C480 883A0EA0 4191FE61 CC4EA3E8 297411A4

9E0B29AC 76DAD587 CB163C9E 45D57AE2 F00C77F5 42AB499A 8C3FDACE B6C394F0

6DB62C8A 0F9D2B89 36B69EE2 2EEB26BD 457C437E FAB63B93 00ABA7F0 598F7FD2

8EDDE1FA 73AB3CA0 9D724969 2727FAB0 7485A681 E4584597 80E54B1A 55080902

9F79D00B 4513E0BB 0A0BF356 78CA12AD 5B360323 8E3B1FCF F4D0FC9A 9A0A7756

CCF6D4CD 99D1FC52 EEC3F54A 0FD0787D 67F65084

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

negotiation auto

ipv6 address FE80::1 link-local

ipv6 address 2001:DB8:ACAD:6::1/64

ipv6 ospf 1 area 0

interface GigabitEthernet0/0/1

ip address 10.0.4.2 255.255.255.0

negotiation auto

ipv6 address FE80::2 link-local

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

ipv6 ospf 1 area 0

interface GigabitEthernet0/2/0

no ip address

shutdown

negotiation auto

interface GigabitEthernet0/2/1

no ip address

shutdown

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

passive-interface GigabitEthernet0/0/0

exit-address-family

router ospf 1

passive-interface GigabitEthernet0/0/0

network 10.0.4.0 0.0.0.255 area 0

network 10.0.5.0 0.0.0.255 area 0

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 5 IPv4 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, 8 subnets, 2 masks

O 10.0.0.0/24 [110/5] via 10.0.4.1, 00:04:05, GigabitEthernet0/0/1

O 10.0.1.0/24 [110/4] via 10.0.4.1, 00:16:45, GigabitEthernet0/0/1

O 10.0.2.0/24 [110/3] via 10.0.4.1, 00:16:45, GigabitEthernet0/0/1

O 10.0.3.0/24 [110/2] via 10.0.4.1, 00:16:45, 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

R5#show ipv6 route

IPv6 Routing Table - default - 9 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

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

via FE80::1, GigabitEthernet0/0/1

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

via FE80::1, GigabitEthernet0/0/1

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

via FE80::1, GigabitEthernet0/0/1

O 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::1/128 [0/0]

via GigabitEthernet0/0/0, receive

L FF00::/8 [0/0]

via Null0, receive