Router 6 running-configuration:

R6#show run

Building configuration...

Current configuration : 4049 bytes

! Last configuration change at 21:42:47 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 R6

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-4144679456

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-4144679456

revocation-check none

rsakeypair TP-self-signed-4144679456

crypto pki certificate chain TP-self-signed-4144679456

certificate self-signed 01

30820330 30820218 A0030201 02020101 300D0609 2A864886 F70D0101 05050030

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

69666963 6174652D 34313434 36373934 3536301E 170D3232 30393135 32313331

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

4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D34 31343436

37393435 36308201 22300D06 092A8648 86F70D01 01010500 0382010F 00308201

0A028201 01009B08 4C0F65B4 BE6AFC97 E3207F19 2F149674 F37B1C15 D7960981

2D835631 F8262576 C9C7D9C2 383ADD95 5B11BCD2 C5905FB1 27F9792C 15E8798D

8DB0E49B EC18C6CF F8258853 B624207B 44476612 64CFCD9F AC35D390 75347CE4

10C2157D 6FBACD37 15CBCFE1 04427044 07184301 FFBE4EF7 F8712F46 9CA1FD9E

E18DB519 0AD74AA1 055B2A81 CBDAE587 C229241A 24A8782D C1BA9ABC 5634A752

6752A1CD 5C751019 B041B1E5 4909EDA3 C2951258 09E58E53 3B102EE1 A9D7FEEE

596824E4 7972D2D2 C249B8C5 8EBE525A 64DE7049 75371381 5DB9E0A6 8534F1B2

2A4124B5 1D770DD5 F0F7DC0C 6D4A32F7 DC0AC5D4 FED1DBCA 7AB19CD2 6902433D

54D78D3D 3D9B0203 010001A3 53305130 0F060355 1D130101 FF040530 030101FF

301F0603 551D2304 18301680 1476ED9E 56D5159F 5B1C90EC CFBF2581 65726EE4

9B301D06 03551D0E 04160414 76ED9E56 D5159F5B 1C90ECCF BF258165 726EE49B

300D0609 2A864886 F70D0101 05050003 82010100 718711AE CF2E7336 562177CD

1AD22831 811D3D80 CCA9094B 32C68D0D C16AA4B7 F29A5972 8330F590 0373EE4C

A8970DDD 0B9B0BB7 D379358A E28E0A85 E5EE9C07 86F537E8 2F7291C1 63F7BE67

74A19ED0 FE799495 4BB56E9D 50F13748 4FC383E0 95AFB353 B07552DA 65C1623E

1E6E4BDD 21E9D063 858C7DBE A439B65E 333ABDF3 F5F9FA1E 4D0ADB6B E11D3EF3

7969DDB7 BA76C788 E7FAF00F 8D906FEE 44E68B3F 7E1C99AD BDA7B014 A5269379

C2EA27AC 6FED3AA5 34E1B0E0 DFCD722F 437A28C0 1F65E7BB 1CFC2223 B6F7BB09

4452BBEC 369A4569 2F24C920 FE68BBFD 4598FF68 F4D8F533 E446AC60 E7183AA0

EA98FFC3 3D9D079B 5465DC0A 056C3A1D 33B2EE41

quit

license udi pid ISR4321/K9 sn FLM2408005M

no license smart enable

diagnostic bootup level minimal

spanning-tree extend system-id

redundancy

mode none

interface GigabitEthernet0/0/0

ip address 10.0.6.1 255.255.255.0

ip ospf 1 area 2

negotiation auto

ipv6 address FE80::1 link-local

ipv6 address 2001:DB8:ACAD:7::1/64

ipv6 ospf 1 area 2

interface GigabitEthernet0/0/1

ip address 10.0.5.2 255.255.255.0

ip ospf 1 area 2

negotiation auto

ipv6 address FE80::2 link-local

ipv6 address 2001:DB8:ACAD:6::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 6.6.6.6

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 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 6 IPv4 and IPv6 routes:

R6#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 [110/6] via 10.0.5.1, 00:15:32, GigabitEthernet0/0/1

O IA 10.0.1.0/24 [110/5] via 10.0.5.1, 00:15:32, GigabitEthernet0/0/1

O IA 10.0.2.0/24 [110/4] via 10.0.5.1, 00:15:32, GigabitEthernet0/0/1

O IA 10.0.3.0/24 [110/3] via 10.0.5.1, 00:15:32, GigabitEthernet0/0/1

O 10.0.4.0/24 [110/2] via 10.0.5.1, 00:15:32, GigabitEthernet0/0/1

C 10.0.5.0/24 is directly connected, GigabitEthernet0/0/1

L 10.0.5.2/32 is directly connected, GigabitEthernet0/0/1

C 10.0.6.0/24 is directly connected, GigabitEthernet0/0/0

L 10.0.6.1/32 is directly connected, GigabitEthernet0/0/0

R6#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 [110/5]

via FE80::1, GigabitEthernet0/0/1

OI 2001:DB8:ACAD:2::/64 [110/6]

via FE80::1, GigabitEthernet0/0/1

OI 2001:DB8:ACAD:3::/64 [110/4]

via FE80::1, GigabitEthernet0/0/1

OI 2001:DB8:ACAD:4::/64 [110/3]

via FE80::1, GigabitEthernet0/0/1

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

via FE80::1, GigabitEthernet0/0/1

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

via GigabitEthernet0/0/1, directly connected

L 2001:DB8:ACAD:6::1/128 [0/0]

via GigabitEthernet0/0/1, receive

C 2001:DB8:ACAD:7::/64 [0/0]

via GigabitEthernet0/0/0, directly connected

L 2001:DB8:ACAD:7::1/128 [0/0]

via GigabitEthernet0/0/0, receive

L FF00::/8 [0/0]

via Null0, receive

R6#