

show running-config

Current configuration : 2240 bytes

```
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption

hostname R2-8_ISPC-B1

boot-start-marker
boot-end-marker

enable secret 5 $1$r52E$7ecQhrrJAaXMwvYqmKDiH.

no aaa new-model

resource policy

ip cef

no ip domain lookup
ipv6 unicast-routing

voice-card 0

username cisco privilege 15 secret 5 $1$kaZ.$PCxvEIYJOkIidJ4D1oKhU/

!

interface Loopback0
ip address 8.1.1.1 255.255.255.0
ipv6 address 2001:8::1/64
ipv6 enable
ipv6 ospf 10 area 1

interface FastEthernet0/0
ip address 190.30.0.1 255.255.255.0
duplex auto
speed auto

interface FastEthernet0/1
no ip address
shutdown
duplex auto
speed auto

interface Serial0/1/0
no ip address
encapsulation frame-relay
no keepalive
no fair-queue
clock rate 2000000

interface Serial0/1/0.102 point-to-point
description to R2-2_ISPC
ip address 10.30.0.2 255.255.255.252
ip access-group s010_IN in
ipv6 address 2001:1::2/64
ipv6 enable
ipv6 ospf 10 area 1
frame-relay interface-dlci 102

interface Serial0/1/1
no ip address
shutdown
clock rate 2000000

router ospf 1
log-adjacency-changes
redistribute static subnets
network 8.1.1.0 0.0.0.255 area 1
network 10.30.0.0 0.0.0.3 area 1
default-information originate
```

```
router bgp 300
no synchronization
bgp log-neighbor-changes
network 190.30.0.0 mask 255.255.255.0
neighbor 9.1.1.1 remote-as 300
neighbor 9.1.1.1 update-source Loopback0
neighbor 9.1.1.1 next-hop-self
no auto-summary

ip route 200.1.0.0 255.255.255.0 190.30.0.254
ip route 200.2.0.0 255.255.255.0 190.30.0.254
ip route 200.3.0.0 255.255.255.0 190.30.0.254

ip http server
no ip http secure-server

ipv6 router ospf 10
router-id 8.1.1.1
log-adjacency-changes

control-plane

banner motd ^CNot Authorized!^C
*May 28 22:16:26.347: %SYS-5-CONFIG_I: Configured from console by console

line con 0
exec-timeout 0 0
password 7 060506324F41
logging synchronous
login local
line aux 0
line vty 0 4
exec-timeout 0 0
password 7 094F471A1A0A
logging synchronous
login local
transport input telnet
line vty 5 15
exec-timeout 0 0
password 7 094F471A1A0A
logging synchronous
login local
transport input telnet

scheduler allocate 20000 1000
end

R2-8_ISPC-B1#
```

show ip route

Codes: 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

Gateway of last resort is 180.30.0.254 to network 0.0.0.0

```
S 200.1.0.0/24 [1/0] via 190.30.0.254
S 200.2.0.0/24 [1/0] via 190.30.0.254
S 200.3.0.0/24 [1/0] via 190.30.0.254
190.20.0.0/24 is subnetted, 1 subnets
B 190.20.0.0 [200/0] via 28.1.1.1, 02:12:05
190.30.0.0/24 is subnetted, 1 subnets
C 190.30.0.0 is directly connected, FastEthernet0/0
23.0.0.0/32 is subnetted, 1 subnets
O 23.1.1.1 [110/129] via 10.30.0.1, 02:12:26, Serial0/1/0.102
22.0.0.0/32 is subnetted, 1 subnets
O 22.1.1.1 [110/129] via 10.30.0.1, 02:12:26, Serial0/1/0.102
8.0.0.0/24 is subnetted, 1 subnets
C 8.1.1.0 is directly connected, Loopback0
9.0.0.0/32 is subnetted, 1 subnets
O 9.1.1.1 [110/65] via 10.30.0.1, 02:12:26, Serial0/1/0.102
10.0.0.0/30 is subnetted, 4 subnets
O 10.30.0.4 [110/128] via 10.30.0.1, 02:12:26, Serial0/1/0.102
C 10.30.0.0 is directly connected, Serial0/1/0.102
O 10.30.0.12 [110/128] via 10.30.0.1, 02:12:26, Serial0/1/0.102
O 10.30.0.8 [110/128] via 10.30.0.1, 02:12:26, Serial0/1/0.102
28.0.0.0/32 is subnetted, 1 subnets
O 28.1.1.1 [110/129] via 10.30.0.1, 02:12:26, Serial0/1/0.102
180.30.0.0/24 is subnetted, 1 subnets
B 180.30.0.0 [200/0] via 9.1.1.1, 02:12:05
B* 0.0.0.0/0 [200/0] via 180.30.0.254, 02:11:40
R2-8_ISPC-B1#
```

show ipv6 route

```
IPv6 Routing Table - 13 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
U - Per-user Static route
I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
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
C 2001:1::/64 [0/0]
via ::, Serial0/1/0.102
L 2001:1::2/128 [0/0]
via ::, Serial0/1/0.102
O 2001:2::/64 [110/128]
via FE80::21A:E2FF:FEAB:49DE, Serial0/1/0.102
O 2001:3::/64 [110/128]
via FE80::21A:E2FF:FEAB:49DE, Serial0/1/0.102
O 2001:4::/64 [110/128]
via FE80::21A:E2FF:FEAB:49DE, Serial0/1/0.102
C 2001:8::/64 [0/0]
via ::, Loopback0
L 2001:8::1/128 [0/0]
via ::, Loopback0
O 2001:9::1/128 [110/64]
via FE80::21A:E2FF:FEAB:49DE, Serial0/1/0.102
O 2001:22::1/128 [110/128]
via FE80::21A:E2FF:FEAB:49DE, Serial0/1/0.102
O 2001:23::1/128 [110/128]
via FE80::21A:E2FF:FEAB:49DE, Serial0/1/0.102
O 2001:28::1/128 [110/128]
via FE80::21A:E2FF:FEAB:49DE, Serial0/1/0.102
L FE80::/10 [0/0]
via ::, Null0
L FF00::/8 [0/0]
via ::, Null0
R2-8_ISPC-B1#
```

show ip int brief

```
Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 190.30.0.1 YES manual up up
FastEthernet0/1 unassigned YES unset administratively down down
Serial0/1/0 unassigned YES unset up up
Serial0/1/0.102 10.30.0.2 YES manual up up
Serial0/1/1 unassigned YES unset administratively down down
Loopback0 8.1.1.1 YES manual up up
R2-8_ISPC-B1#
```

show ipv6 int brief

```
FastEthernet0/0 [up/up]
unassigned
FastEthernet0/1 [administratively down/down]
unassigned
Serial0/1/0 [up/up]
unassigned
Serial0/1/0.102 [up/up]
FE80::21A:E2FF:FEAB:4B32
2001:1::2
Serial0/1/1 [administratively down/down]
unassigned
Loopback0 [up/up]
FE80::21A:E2FF:FEAB:4B32
2001:8::1
R2-8_ISPC-B1#
```

show cdp neighbors

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
S - Switch, H - Host, I - IGMP, r - Repeater

```
Device ID Local Intrfce Holdtme Capability Platform Port ID
R3-23_ISP_A-B3.cisco.com
Fas 0/0 135 R S I CISCO2911 Gig 0/0
R2-9_ISPC-B2 Ser 0/1/0.102 131 R S I 2801 Ser 0/1/0.100
R2-8_ISPC-B1#
```

show ipv6 ospf 10

show ipv6 ospf 10 neighbor

show ip bgp summary

show version