**CUST⊛DIO**

# show running-config

```
Current configuration : 2598 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 $1$iCzj$xyuXT.da66SYBAx393PdN1

no aaa new-model

resource policy

ip cef

no ip domain lookup
ipv6 unicast-routing

voice-card 0

username cisco privilege 15 secret 5 $1$hrcA$PPN90JM0m0P6mvQ5.6S2i/

!

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
ip access-group s010_OUT out
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
bgp router-id 8.1.1.1
no bgp default ipv4-unicast
bgp log-neighbor-changes
neighbor 2001:9::1 remote-as 300
neighbor 2001:9::1 update-source Loopback0
!
address-family ipv6
neighbor 2001:9::1 activate
exit-address-family

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

ipv6 access-list s010_IN
permit ipv6 host 2001:1::1 host 2001:1::2
permit ipv6 host 2001:1::2 host FF02::5
permit ipv6 host 2001:1::2 host FF02::6

ipv6 access-list s010_OUT
permit ipv6 host 2001:1::2 host 2001:1::1
permit ipv6 host FF02::5 host 2001:1::1
permit ipv6 host FF02::6 host 2001:1::1

control-plane

banner motd ^CCNot Authorized!^C

line con 0
exec-timeout 0 0
password 7 121A0C041104
logging synchronous
login local
line aux 0
line vty 0 4
exec-timeout 0 0
password 7 030752180500
logging synchronous
login local
transport input telnet
line vty 5 15
exec-timeout 0 0
password 7 030752180500
logging synchronous
login local
transport input telnet

scheduler allocate 20000 1000
end
```

**CUST⊛DIO**

# 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 not set

8.0.0.0/24 is subnetted, 1 subnets
C 8.1.1.0 is directly connected, Loopback0
```

# show ipv6 route

```
IPv6 Routing Table - 4 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 2001:8::/64 [0/0]
via ::, Loopback0
L 2001:8::1/128 [0/0]
via ::, Loopback0
L FE80::/10 [0/0]
via ::, Null0
L FF00::/8 [0/0]
via ::, Null0
```

# show ip int brief

```
Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 190.30.0.1 YES manual up down
FastEthernet0/1 unassigned YES manual administratively down down
Serial0/1/0 unassigned YES manual down down
Serial0/1/0.102 10.30.0.2 YES manual down down
Serial0/1/0.402 unassigned YES unset down down
Serial0/1/1 unassigned YES manual administratively down down
Loopback0 8.1.1.1 YES manual up up
```

**CUST⊛DIO**

# show ipv6 int brief

```
FastEthernet0/0 [up/down]
unassigned
FastEthernet0/1 [administratively down/down]
unassigned
Serial0/1/0 [down/down]
unassigned
Serial0/1/0.102 [down/down]
FE80::21A:E2FF:FEAB:4B32
2001:1::2
Serial0/1/0.402 [down/down]
Serial0/1/1 [administratively down/down]
unassigned
Loopback0 [up/up]
FE80::21A:E2FF:FEAB:4B32
2001:8::1
```

**CUST⊛DIO**

# 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
```

**CUST⊛DIO**

# show ipv6 ospf 10

```
Routing Process "ospfv3 10" with ID 8.1.1.1
SPF schedule delay 5 secs, Hold time between two SPFs 10 secs
Minimum LSA interval 5 secs. Minimum LSA arrival 1 secs
LSA group pacing timer 240 secs
Interface flood pacing timer 33 msecs
Retransmission pacing timer 66 msecs
Number of external LSA 0. Checksum Sum 0x000000
Number of areas in this router is 1. 1 normal 0 stub 0 nssa
Reference bandwidth unit is 100 mbps
Area 1
Number of interfaces in this area is 2
SPF algorithm executed 4 times
Number of LSA 2. Checksum Sum 0x057BEB
Number of DCbitless LSA 0
Number of indication LSA 0
Number of DoNotAge LSA 0
Flood list length 0
```

**CUST☉DIO**

# show ipv6 ospf 10 neighbor

**CUST⊛DIO**

# show ip bgp summary

# show version

```
Cisco IOS Software, 2801 Software (C2801-ADVENTERPRISEK9-M), Version 12.4(9)T3, RELEASE
SOFTWARE (fc3)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Fri 23-Mar-07 19:08 by prod_rel_team

ROM: System Bootstrap, Version 12.3(8r)T9, RELEASE SOFTWARE (fc1)

R2-8_ISPC-B1 uptime is 18 hours, 46 minutes
System returned to ROM by reload at 20:22:36 UTC Thu May 21 2015
System image file is "flash:c2801-adventerprisek9-mz.124-9.T3.bin"


This product contains cryptographic features and is subject to United
States and local country laws governing import, export, transfer and
use. Delivery of Cisco cryptographic products does not imply
third-party authority to import, export, distribute or use encryption.
Importers, exporters, distributors and users are responsible for
compliance with U.S. and local country laws. By using this product you
agree to comply with applicable laws and regulations. If you are unable
to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:
http://www.cisco.com/wwl/export/crypto/tool/stqrg.html

If you require further assistance please contact us by sending email to
export@cisco.com.

Cisco 2801 (revision 6.0) with 119808K/11264K bytes of memory.
Processor board ID FCZ110812PZ
2 FastEthernet interfaces
2 Serial(sync/async) interfaces
1 Virtual Private Network (VPN) Module
DRAM configuration is 64 bits wide with parity disabled.
191K bytes of NVRAM.
62720K bytes of ATA CompactFlash (Read/Write)

Configuration register is 0x2102
```