

show running-config

```
Current configuration : 2391 bytes

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

hostname R2-16_ISPB-B2

boot-start-marker
boot-end-marker

logging message-counter syslog
no logging buffered
no logging console
no logging monitor
enable secret 5 $1$MhDy$B0em5uHMBDA3B82hZJhmA/

no aaa new-model

dot11 syslog
ip source-route

ip cef

no ip domain lookup
no ipv6 cef

multilink bundle-name authenticated

voice-card 0

username cisco privilege 15 secret 5 $1$xpUx$B.yTooyOgU2aTkff/KWrM.
archive
log config
hidekeys

interface Loopback0
ip address 5.5.5.5 255.255.255.255

interface FastEthernet0/0
description TO_R2-19_ISPB
ip address 10.20.0.5 255.255.255.252
duplex auto
speed auto
mpls ip

interface FastEthernet0/1
description TO_CIX
ip address 180.20.0.1 255.255.255.0
duplex auto
speed auto

interface FastEthernet0/2/0

interface FastEthernet0/2/1

interface FastEthernet0/2/2

interface FastEthernet0/2/3

interface Vlan1
no ip address

router ospf 1
log-adjacency-changes
passive-interface FastEthernet0/1
network 5.5.5.5 0.0.0.0 area 1
network 10.20.0.4 0.0.0.3 area 1

router bgp 2
no synchronization
bgp log-neighbor-changes
```

```
network 180.20.0.0
neighbor 1.1.1.1 remote-as 2
neighbor 1.1.1.1 update-source Loopback0
neighbor 1.1.1.1 route-reflector-client
neighbor 2.2.2.2 remote-as 2
neighbor 2.2.2.2 update-source Loopback0
neighbor 2.2.2.2 route-reflector-client
neighbor 3.3.3.3 remote-as 2
neighbor 3.3.3.3 update-source Loopback0
neighbor 3.3.3.3 route-reflector-client
neighbor 3.3.3.3 next-hop-self
neighbor 4.4.4.4 remote-as 2
neighbor 4.4.4.4 update-source Loopback0
neighbor 4.4.4.4 route-reflector-client
neighbor 180.20.0.254 remote-as 100
default-information originate
no auto-summary

ip forward-protocol nd
no ip http server
no ip http secure-server

control-plane

banner motd ^CNot Authorized!^C

line con 0
exec-timeout 0 0
password 7 00071A150754
logging synchronous
login local
line aux 0
line vty 0 4
exec-timeout 0 0
password 7 01100F175804
logging synchronous
login local
transport input telnet
line vty 5 15
exec-timeout 0 0
password 7 01100F175804
logging synchronous
login local
transport input telnet

scheduler allocate 20000 1000
end
```

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

5.0.0.0/32 is subnetted, 1 subnets

C 5.5.5.5 is directly connected, Loopback0

show ipv6 route

% Specified IPv6 routing table does not exist

show ip int brief

```
Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 10.20.0.5 YES manual up down
FastEthernet0/1 180.20.0.1 YES manual up down
FastEthernet0/2/0 unassigned YES unset up down
FastEthernet0/2/1 unassigned YES unset up down
FastEthernet0/2/2 unassigned YES unset up down
FastEthernet0/2/3 unassigned YES unset up down
Vlan1 unassigned YES unset up down
Loopback0 5.5.5.5 YES manual up up
```

show ipv6 int brief

```
FastEthernet0/0 [up/down]
unassigned
FastEthernet0/1 [up/down]
unassigned
FastEthernet0/2/0 [up/down]
unassigned
FastEthernet0/2/1 [up/down]
unassigned
FastEthernet0/2/2 [up/down]
unassigned
FastEthernet0/2/3 [up/down]
unassigned
Vlan1 [up/down]
unassigned
Loopback0 [up/up]
unassigned
```

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

show ipv6 ospf 10

%OSPFv3: No router process 10

show ipv6 ospf 10 neighbor

%OSPFv3: No router process 10

show ip bgp summary

BGP router identifier 5.5.5.5, local AS number 2
BGP table version is 11, main routing table version 11

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
1.1.1.1	4	2	0	0	0	0	0	never	Active
2.2.2.2	4	2	0	0	0	0	0	never	Active
3.3.3.3	4	2	31	40	0	0	0	5d02h	Active
4.4.4.4	4	2	0	0	0	0	0	never	Active
180.20.0.254	4	100	105	89	0	0	0	5d02h	Idle

show access-lists

show version

Cisco IOS Software, 2800 Software (C2800NM-ADVENTERPRISEK9-M), Version 12.4(24)T2, RELEASE SOFTWARE (fc2)

Technical Support: <http://www.cisco.com/techsupport>

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ROM: System Bootstrap, Version 12.4(1r) [hqluong 1r], RELEASE SOFTWARE (fc1)

R2-16_ISPB-B2 uptime is 5 days, 3 hours, 32 minutes

System returned to ROM by reload at 19:05:38 UTC Thu Mar 2 2017

System image file is "flash:c2800nm-adventerprisek9-mz.124-24.T2.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 2811 (revision 53.50) with 509952K/14336K bytes of memory.

Processor board ID FCZ1001720L

6 FastEthernet interfaces

1 Virtual Private Network (VPN) Module

DRAM configuration is 64 bits wide with parity disabled.

239K bytes of non-volatile configuration memory.

62720K bytes of ATA CompactFlash (Read/Write)

Configuration register is 0x2102