CUST◉DIO

show running-config

Current configuration : 1454 bytes

! Last configuration change at 15:43:27 UTC Thu Mar 2 2017
version 15.2
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption

hostname R1

boot-start-marker
boot-end-marker

no logging buffered
no logging console
no logging monitor

no aaa new-model

ip cef

ipv6 unicast-routing
ipv6 cef
multilink bundle-name authenticated

license udi pid CISCO2901/K9 sn FCZ184492U0

redundancy

interface Embedded-Service-Engine0/0
no ip address
shutdown

interface GigabitEthernet0/0
no ip address
ip access-group TEST out
duplex auto
speed auto
ipv6 address FE80:1::1 link-local
ipv6 address 2001::2/64
ipv6 enable
ipv6 traffic-filter OSPF_IN in
ipv6 ospf 1 area 1

interface GigabitEthernet0/1
no ip address
shutdown
duplex auto
speed auto

router ospfv3 1
router-id 1.1.1.1
!

```
address-family ipv6 unicast
exit-address-family

ip forward-protocol nd

no ip http server
no ip http secure-server




ipv6 access-list OSPF_IN
sequence 40 permit 89 host FE80:1::2 host FF02::5
permit 89 host FE80:1::2 host FF02::6

ipv6 access-list OUT_g00
deny ipv6 any any

control-plane



line con 0
line aux 0
line 2
no activation-character
no exec
transport preferred none
transport output lat pad telnet rlogin lapb-ta mop udptn v120 ssh
stopbits 1
line vty 0 4
login
transport input all

scheduler allocate 20000 1000

end
```

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
+ - replicated route, % - next hop override

Gateway of last resort is not set
```

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show ipv6 route

```
IPv6 Routing Table - default - 3 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
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, l - LISP
C 2001::/64 [0/0]
via GigabitEthernet0/0, directly connected
L 2001::2/128 [0/0]
via GigabitEthernet0/0, receive
L FF00::/8 [0/0]
via Null0, receive
```

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show ip int brief

```
Interface IP-Address OK? Method Status Protocol
Embedded-Service-Engine0/0 unassigned YES unset administratively down down
GigabitEthernet0/0 unassigned YES unset up up
GigabitEthernet0/1 unassigned YES unset administratively down down
```

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show ipv6 int brief

```
Em0/0 [administratively down/down]
unassigned
GigabitEthernet0/0 [up/up]
FE80:1::1
2001::2
GigabitEthernet0/1 [administratively down/down]
unassigned
```

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show cdp neighbors

```
Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone,
D - Remote, C - CVTA, M - Two-port Mac Relay

Device ID Local Intrfce Holdtme Capability Platform Port ID
R2 Gig 0/0 135 R S I CISCO2901 Gig 0/0
```

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show ipv6 ospf 10

show ipv6 ospf 10 neighbor

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show ip bgp summary

```
% BGP not active
```

show access-lists

```
IPv6 access list OSPF_IN
permit 89 host FE80:1::2 host FF02::5 (34059 matches) sequence 40
permit 89 host FE80:1::2 host FF02::6 sequence 50
IPv6 access list OUT_g00
deny ipv6 any any sequence 10
```

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show version

```
Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.2(4)M6a, RELEASE
SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2014 by Cisco Systems, Inc.
Compiled Tue 15-Apr-14 09:45 by prod_rel_team

ROM: System Bootstrap, Version 15.0(1r)M16, RELEASE SOFTWARE (fc1)

R1 uptime is 1 week, 1 hour, 1 minute
System returned to ROM by reload at 14:40:38 UTC Thu Feb 23 2017
System image file is "flash0:c2900-universalk9-mz.SPA.152-4.M6a.bin"
Last reload type: Normal Reload
Last reload reason: Reload Command


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 CISCO2901/K9 (revision 1.0) with 2506752K/114688K bytes of memory.
Processor board ID FCZ184492U0
2 Gigabit Ethernet interfaces
1 terminal line
DRAM configuration is 64 bits wide with parity enabled.
255K bytes of non-volatile configuration memory.
255488K bytes of ATA System CompactFlash 0 (Read/Write)


License Info:

License UDI:

-------------------------------------------------
Device# PID SN
-------------------------------------------------
*0 CISCO2901/K9 FCZ184492U0



Technology Package License Information for Module:'c2900'

----------------------------------------------------------------
Technology Technology-package Technology-package
Current Type Next reboot
----------------------------------------------------------------
ipbase ipbasek9 Permanent ipbasek9
security None None None
uc None None None
data datak9 Permanent datak9

Configuration register is 0x2102
```