

show running-config

```
Current configuration : 1686 bytes

version 15.2
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption

hostname R3_7

boot-start-marker
boot-end-marker

no logging buffered
no logging console
no logging monitor
enable secret 5 $1$Az76$jGdwdc/Phj1YsY1zG8gfC0

no aaa new-model

ip cef

no ip domain lookup
no ipv6 cef

multilink bundle-name authenticated

license udi pid CISCO2901/K9 sn FCZ184492UM

username cisco privilege 15 password 7 110A1016141D

redundancy

interface Loopback0
ip address 1.1.1.1 255.255.255.255

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

interface GigabitEthernet0/0
ip address 10.10.0.254 255.255.255.0
duplex auto
speed auto

interface GigabitEthernet0/1
ip address 203.0.0.254 255.255.255.0
duplex auto
speed auto

router bgp 10
bgp log-neighbor-changes
network 203.0.0.0
neighbor 2.2.2.2 remote-as 10
neighbor 2.2.2.2 update-source Loopback0
neighbor 2.2.2.2 next-hop-self

ip forward-protocol nd

no ip http server
no ip http secure-server

ip route 2.2.2.2 255.255.255.255 10.10.0.1

control-plane

banner motd ^CWarning! This is a private system!!^C

line con 0
logging synchronous
login local
line aux 0
line 2
no activation-character
no exec
```

```
transport preferred none
transport output pad telnet rlogin lapb-ta mop udptn v120 ssh
stopbits 1
line vty 0 4
exec-timeout 0 0
logging synchronous
login local
transport input all
line vty 5 15
exec-timeout 0 0
logging synchronous
login local
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

1.0.0.0/32 is subnetted, 1 subnets
C 1.1.1.1 is directly connected, Loopback0
2.0.0.0/32 is subnetted, 1 subnets
S 2.2.2.2 [1/0] via 10.10.0.1
3.0.0.0/32 is subnetted, 1 subnets
B 3.3.3.3 [200/0] via 2.2.2.2, 00:39:09
10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 10.10.0.0/24 is directly connected, GigabitEthernet0/0
L 10.10.0.254/32 is directly connected, GigabitEthernet0/0
B 201.0.0.0/24 [200/0] via 2.2.2.2, 00:39:09
B 202.0.0.0/24 [200/0] via 2.2.2.2, 00:39:09
203.0.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 203.0.0.0/24 is directly connected, GigabitEthernet0/1
L 203.0.0.254/32 is directly connected, GigabitEthernet0/1
B 204.0.0.0/24 [200/0] via 2.2.2.2, 00:39:09

show ip bgp summary

```
BGP router identifier 1.1.1.1, local AS number 10
BGP table version is 78, main routing table version 78
5 network entries using 740 bytes of memory
5 path entries using 320 bytes of memory
4/4 BGP path/bestpath attribute entries using 544 bytes of memory
2 BGP AS-PATH entries using 48 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
BGP using 1652 total bytes of memory
BGP activity 24/19 prefixes, 26/21 paths, scan interval 60 secs

Neighbor V AS MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/PfxRcd
2.2.2.2 4 10 61 67 78 0 0 00:54:37 4
```

show cdp neighb

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
R3_3	Gig	0/1	135	R S I	CISCO2901	Fas	0/0/0	
R2_1	Gig	0/0	169	R S	2621XM	Fas	0/0	

show ip int brief

```
Interface IP-Address OK? Method Status Protocol
Embedded-Service-Engine0/0 unassigned YES unset administratively down down
GigabitEthernet0/0 10.10.0.254 YES manual up up
GigabitEthernet0/1 203.0.0.254 YES manual up up
Loopback0 1.1.1.1 YES manual up up
```

show track

show ip nat translations

show access-lists

show route-map

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)

R3_7 uptime is 2 hours, 3 minutes
 System returned to ROM by power-on
 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 FCZ184492UM
 2 Gigabit Ethernet interfaces
 1 terminal line
 1 Virtual Private Network (VPN) Module
 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 FCZ184492UM

Technology Package License Information for Module:'c2900'

 Technology Technology-package Technology-package
 Current Type Next reboot

ipbase ipbasek9 Permanent ipbasek9
 security securityk9 Permanent securityk9
 uc None None None
 data None None None

Configuration register is 0x2102