

## show running-config

```
Current configuration : 1657 bytes

version 12.2
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption

hostname R2_1

no logging buffered
no logging console
no logging monitor
enable secret 5 $1$KqLR$20BGUuDnGdRlTB7dUnuCI.

username cisco privilege 15 password 7 121A0C041104
ip subnet-zero

no ip domain lookup

voice call carrier capacity active

mta receive maximum-recipients 0

interface Loopback0
ip address 2.2.2.2 255.255.255.255

interface FastEthernet0/0
ip address 10.10.0.1 255.255.255.0
duplex auto
speed auto

interface Serial0/0
no ip address
shutdown
no fair-queue

interface FastEthernet0/1
ip address 201.0.0.254 255.255.255.0
duplex auto
speed auto

interface Serial0/1
no ip address
shutdown

router bgp 10
no synchronization
bgp log-neighbor-changes
network 201.0.0.0
neighbor 1.1.1.1 remote-as 10
neighbor 1.1.1.1 update-source Loopback0
neighbor 1.1.1.1 next-hop-self
neighbor 3.3.3.3 remote-as 30
neighbor 3.3.3.3 ebgp-multihop 255
neighbor 3.3.3.3 update-source Loopback0
neighbor 3.3.3.3 next-hop-self
no auto-summary

ip classless
ip route 1.1.1.1 255.255.255.255 10.10.0.254
ip route 3.3.3.3 255.255.255.255 201.0.0.1
ip http server

call rsvp-sync

mgcp profile default

dial-peer cor custom

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

line con 0
logging synchronous
login local
```

```
line aux 0
line vty 0 4
exec-timeout 0 0
logging synchronous
login local
transport input pad v120 telnet rlogin udptn
line vty 5 15
exec-timeout 0 0
logging synchronous
login local
transport input pad v120 telnet rlogin udptn

end
```

## show ip route

Codes: C - connected, S - static, I - IGRP, 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, E - EGP  
i - IS-IS, 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

```
B 204.0.0.0/24 [20/0] via 3.3.3.3, 00:52:51
1.0.0.0/32 is subnetted, 1 subnets
S 1.1.1.1 [1/0] via 10.10.0.254
2.0.0.0/32 is subnetted, 1 subnets
C 2.2.2.2 is directly connected, Loopback0
3.0.0.0/32 is subnetted, 1 subnets
S 3.3.3.3 [1/0] via 201.0.0.1
C 201.0.0.0/24 is directly connected, FastEthernet0/1
B 202.0.0.0/24 [20/0] via 3.3.3.3, 02:04:44
B 203.0.0.0/24 [200/0] via 1.1.1.1, 00:38:07
10.0.0.0/24 is subnetted, 1 subnets
C 10.10.0.0 is directly connected, FastEthernet0/0
```

## show ip bgp summary

```
BGP router identifier 2.2.2.2, local AS number 10
BGP table version is 28, main routing table version 28
5 network entries and 6 paths using 725 bytes of memory
4 BGP path attribute entries using 240 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 activity 12/7 prefixes, 14/8 paths, scan interval 60 secs
```

```
Neighbor V AS MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/PfxRcd
1.1.1.1 4 10 127 138 28 0 0 00:54:16 1
3.3.3.3 4 30 153 147 28 0 0 02:05:56 4
```

## show cdp neighb

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_7	Fas	0/0	131	R S I	Cisco CISC	Gig 0/0		
R3_4	Fas	0/1	178	R S I	Cisco CISC	Gig 0/1		

## show ip int brief

```
Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 10.10.0.1 YES manual up up
Serial0/0 unassigned YES unset administratively down down
FastEthernet0/1 201.0.0.254 YES manual up up
Serial0/1 unassigned YES unset administratively down down
Loopback0 2.2.2.2 YES manual up up
```

## **show track**

**show ip nat translations**



## **show access-lists**

**show route-map**

## show version

```
Cisco Internetwork Operating System Software
IOS (tm) C2600 Software (C2600-IS-M), Version 12.2(11)T9, RELEASE SOFTWARE (fc1)
TAC Support: http://www.cisco.com/tac
Copyright (c) 1986-2003 by cisco Systems, Inc.
Compiled Mon 23-Jun-03 15:43 by cmong
Image text-base: 0x8000809C, data-base: 0x81673E2C

ROM: System Bootstrap, Version 12.2(7r) [cmong 7r], RELEASE SOFTWARE (fc1)

R2_1 uptime is 2 hours, 11 minutes
System returned to ROM by reload
System image file is "flash:c2600-is-mz.122-11.T9.bin"

cisco 2621XM (MPC860P) processor (revision 0x100) with 125952K/5120K bytes of memory.
Processor board ID JAD06350767 (894222584)
M860 processor: part number 5, mask 2
Bridging software.
X.25 software, Version 3.0.0.
2 FastEthernet/IEEE 802.3 interface(s)
2 Serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
16384K bytes of processor board System flash (Read/Write)

Configuration register is 0x2102
```