CUST☉DIO

show running-config

```
Current configuration : 2125 bytes

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

hostname R3_4

boot-start-marker
boot-end-marker

no logging buffered
no logging console
no logging monitor
enable secret 5 $1$8nKd$5x9tTxy4ywsFETktI4q52/

no aaa new-model

ip cef




no ip domain lookup
no ipv6 cef
multilink bundle-name authenticated

license udi pid CISCO2901/K9 sn FCZ184492UE

username cisco privilege 15 secret 5 $1$EBey$vDFARqSJkEGT87MJFIrk60

redundancy

interface Loopback1
ip address 3.3.3.3 255.255.255.255

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

interface GigabitEthernet0/0
ip address 202.0.0.1 255.255.255.0
duplex auto
speed auto

interface GigabitEthernet0/1
ip address 201.0.0.1 255.255.255.0
duplex auto
speed auto

interface FastEthernet0/0/0
no ip address
shutdown
duplex auto
speed auto

interface FastEthernet0/0/1
no ip address
shutdown
duplex auto
speed auto

router bgp 30
bgp log-neighbor-changes
network 3.3.3.3 mask 255.255.255.255
network 201.0.0.0
network 202.0.0.0
neighbor 2.2.2.2 remote-as 10
neighbor 2.2.2.2 ebgp-multihop 255
neighbor 2.2.2.2 update-source Loopback1
neighbor 2.2.2.2 next-hop-self
neighbor 4.4.4.4 remote-as 20
neighbor 4.4.4.4 ebgp-multihop 255
```

```
neighbor 4.4.4.4 update-source Loopback1
neighbor 4.4.4.4 next-hop-self

ip forward-protocol nd

no ip http server
no ip http secure-server

ip route 2.2.2.2 255.255.255.255 201.0.0.254
ip route 4.4.4.4 255.255.255.255 202.0.0.254

control-plane

banner motd ^CDu kommst da ned eine.^C

line con 0
logging synchronous
login local
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
exec-timeout 0 0
logging synchronous
login local
transport input telnet
line vty 5 15
exec-timeout 0 0
logging synchronous
login local
transport input telnet

scheduler allocate 20000 1000

end
```

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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

2.0.0.0/32 is subnetted, 1 subnets
S 2.2.2.2 [1/0] via 201.0.0.254
3.0.0.0/32 is subnetted, 1 subnets
C 3.3.3.3 is directly connected, Loopback1
4.0.0.0/32 is subnetted, 1 subnets
S 4.4.4.4 [1/0] via 202.0.0.254
201.0.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 201.0.0.0/24 is directly connected, GigabitEthernet0/1
L 201.0.0.1/32 is directly connected, GigabitEthernet0/1
202.0.0.0/24 is variably subnetted, 2 subnets, 2 masks
C 202.0.0.0/24 is directly connected, GigabitEthernet0/0
L 202.0.0.1/32 is directly connected, GigabitEthernet0/0
B 203.0.0.0/24 [20/0] via 2.2.2.2, 00:37:43
B 204.0.0.0/24 [20/0] via 4.4.4.4, 00:52:26
```

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show ip bgp summary

```
BGP router identifier 3.3.3.3, local AS number 30
BGP table version is 28, main routing table version 28
5 network entries using 740 bytes of memory
6 path entries using 384 bytes of memory
4/3 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 1716 total bytes of memory
BGP activity 16/11 prefixes, 17/11 paths, scan interval 60 secs

Neighbor V AS MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/PfxRcd
2.2.2.2 4 10 147 153 28 0 0 02:05:30 2
4.4.4.4 4 20 144 153 28 0 0 02:05:07 1
```

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_5 Gig 0/0 132 R S I CISCO2901 Gig 0/0
R2_1 Gig 0/1 155 R S 2621XM Fas 0/1
```

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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
GigabitEthernet0/0 202.0.0.1 YES manual up up
GigabitEthernet0/1 201.0.0.1 YES manual up up
FastEthernet0/0/0 unassigned YES unset administratively down down
FastEthernet0/0/1 unassigned YES unset administratively down down
Loopback1 3.3.3.3 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_4 uptime is 2 hours, 13 minutes
System returned to ROM by reload at 12:52:03 UTC Fri Mar 24 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 FCZ184492UE
2 FastEthernet interfaces
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 FCZ184492UE


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
```