

ROUTER 1

Building configuration...

Current configuration : 2131 bytes

!

! Last configuration change at 14:33:34 UTC Tue Apr 20 2021

! NVRAM config last updated at 14:33:36 UTC Tue Apr 20 2021

! NVRAM config last updated at 14:33:36 UTC Tue Apr 20 2021

version 15.1

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname RTR01

!

boot-start-marker

boot-end-marker

!

!

enable secret 4

enable password

!

no aaa new-model

!

```
no ipv6 cef

ip source-route

ip cef

!

multilink bundle-name authenticated

!

crypto pki token default removal timeout 0

!

license udi pid CISCO1941/K9 sn FTX1550828U

license boot module c1900 technology-package securityk9

!

redundancy

!

interface Loopback99

  no ip address

!

interface Embedded-Service-Engine0/0

  no ip address

  shutdown

!

interface GigabitEthernet0/0

  ip address 192.168.40.1 255.255.255.0

  duplex auto
```

speed auto

!

interface GigabitEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/0/0

ip address 10.1.1.1 255.0.0.0

clock rate 64000

!

interface Serial0/0/1

ip address 11.1.1.1 255.0.0.0

clock rate 64000

!

router ospf 100

network 10.0.0.0 0.255.255.255 area 0

!

router rip

network 192.168.40.0

!

router bgp 100

```
bgp log-neighbor-changes
network 10.0.0.0
network 11.0.0.0
neighbor 10.1.1.2 remote-as 100
neighbor 10.1.1.2 route-reflector-client
neighbor 11.1.1.3 remote-as 100
neighbor 11.1.1.3 route-reflector-client
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
ip route 192.168.50.0 255.255.255.0 10.1.1.2
!
logging trap debugging
logging 192.168.40.31
!
snmp-server community router_1 RO
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server host 192.168.40.31 router_1
!
control-plane
```

```
!  
!  
!  
line con 0  
line aux 0  
line 2  
no activation-character  
no exec  
transport preferred none  
transport input all  
transport output pad telnet rlogin lapb-ta mop udptn v120 ssh  
stopbits 1  
line vty 0 4  
password  
login  
transport input all  
!  
scheduler allocate 20000 1000  
end
```

ROUTER 2

Building configuration...

Current configuration : 2148 bytes

!

! Last configuration change at 16:29:33 UTC Thu Apr 15 2021

! NVRAM config last updated at 16:29:39 UTC Thu Apr 15 2021

! NVRAM config last updated at 16:29:39 UTC Thu Apr 15 2021

version 15.1

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname RTR02

!

boot-start-marker

boot-end-marker

!

!

enable secret

enable password

!

no aaa new-model

!

!

```
no ipv6 cef
ip source-route
ip cef
!
!
multilink bundle-name authenticated
!
crypto pki token default removal timeout 0
!
!
license udi pid CISCO1941/K9 sn FTX1550826T
license boot module c1900 technology-package securityk9
!
redundancy
!
interface Loopback0
 ip address 2.2.2.2 255.255.255.255
!
interface Loopback1
 ip address 2.2.2.1 255.255.255.255
!
interface Loopback3
 ip address 2.2.2.3 255.255.255.255
```

!

interface Embedded-Service-Engine0/0

no ip address

shutdown

!

interface GigabitEthernet0/0

ip address 192.168.50.1 255.255.255.0

duplex auto

speed auto

!

interface GigabitEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/0/0

ip address 10.1.1.2 255.0.0.0

!

interface Serial0/0/1

ip address 12.1.1.2 255.255.255.0

!

router ospf 100


```
network 2.2.2.1 0.0.0.0 area 1
network 2.2.2.2 0.0.0.0 area 0
network 2.2.2.3 0.0.0.0 area 1
network 10.0.0.0 0.255.255.255 area 0
network 12.0.0.0 0.255.255.255 area 1
!
router rip
network 192.168.50.0
!
router bgp 100
bgp log-neighbor-changes
network 2.2.2.1 mask 255.255.255.255
network 2.2.2.2 mask 255.255.255.255
network 10.0.0.0
network 12.0.0.0
neighbor 10.1.1.1 remote-as 100
neighbor 12.1.1.4 remote-as 200
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
```

```
ip route 192.168.40.0 255.255.255.0 10.1.1.1
!
control-plane
!
line con 0
line aux 0
line 2
no activation-character
no exec
transport preferred none
transport input all
transport output pad telnet rlogin lapb-ta mop udptn v120 ssh
stopbits 1
line vty 0 4
password
login
transport input all
!
scheduler allocate 20000 1000
end
```

ROUTER 3

Building configuration...

Current configuration : 1631 bytes

!

version 15.7

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname RTR03

!

boot-start-marker

boot-end-marker

!

enable secret

enable password

!

no aaa new-model

!

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

license udi pid CISCO2911/K9 sn FTX1630ANLD

!

!

redundancy

!

!

interface Loopback0

ip address 3.3.3.3 255.255.255.255

!

interface Loopback1

ip address 3.3.3.4 255.255.255.255

!

interface Embedded-Service-Engine0/0

no ip address

shutdown

!

interface GigabitEthernet0/0

no ip address

shutdown

duplex auto

speed auto

!

interface GigabitEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface GigabitEthernet0/2

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/0/0

ip address 11.1.1.3 255.0.0.0

!

interface Serial0/0/1

no ip address

shutdown

clock rate 125000

!

!

router ospf 100

```
network 3.3.3.4 0.0.0.0 area 0
network 11.0.0.0 0.255.255.255 area 0
!
router bgp 100
  bgp log-neighbor-changes
  network 3.3.3.3 mask 255.255.255.255
  neighbor 11.1.1.1 remote-as 100
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
!
ipv6 ioam timestamp
!
control-plane
!
vstack
!
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
password
login
transport input none
!
scheduler allocate 20000 1000
!
End
```

ROUTER 4

Building configuration...

Current configuration : 1855 bytes

```
!
version 15.7
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
```

```
!  
hostname RTR04  
!  
boot-start-marker  
boot-end-marker  
!  
!  
enable secret 5  
enable password  
!  
no aaa new-model  
!  
ip cef  
no ipv6 cef  
!  
multilink bundle-name authenticated  
!  
!  
voice-card 0  
!  
vxml logging-tag  
license udi pid CISCO2911/K9 sn FTX1509A18B  
license boot module c2900 technology-package uck9
```


!

redundancy

!

!

!

interface Loopback0

ip address 4.4.4.4 255.255.255.255

!

interface Embedded-Service-Engine0/0

no ip address

shutdown

!

interface GigabitEthernet0/0

no ip address

shutdown

duplex auto

speed auto

!

interface GigabitEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface GigabitEthernet0/2

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/0/0

ip address 12.1.1.4 255.0.0.0

clock rate 125000

!

interface Serial0/0/1

no ip address

shutdown

clock rate 125000

!

router ospf 100

network 4.4.4.4 0.0.0.0 area 1

network 12.0.0.0 0.255.255.255 area 1

!

router bgp 200

bgp log-neighbor-changes

network 12.0.0.0

```
neighbor 12.1.1.2 remote-as 100
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
control-plane
!
mgcp behavior rsip-range tgcp-only
mgcp behavior comedia-role none
mgcp behavior comedia-check-media-src disable
mgcp behavior comedia-sdp-force disable
!
mgcp profile default
!
gatekeeper
shutdown
!
!
vstack
!
line con 0
```

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

password

login

transport input none

!

scheduler allocate 20000 1000

!

end