# Router 1

Current configuration : 1587 bytes

!

! Last configuration change at 09:01:56 UTC Tue Jun 4 2024

upgrade fpd auto

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 aaa new-model

no ip icmp rate-limit unreachable

!

!

!

ip vrf Comp1

!

ip vrf Comp2

!

!

!

!

no ip domain lookup

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

!

!

!

redundancy

!

!

ip tcp synwait-time 5

!

!

!

!

!

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex half

!

interface GigabitEthernet1/0

ip vrf forwarding Comp1

ip address 10.0.0.2 255.255.255.252

negotiation auto

!

interface GigabitEthernet2/0

ip vrf forwarding Comp2

ip address 10.0.0.2 255.255.255.252

negotiation auto

!

interface GigabitEthernet3/0

ip vrf forwarding Comp1

ip address 10.0.0.5 255.255.255.252

negotiation auto

!

interface GigabitEthernet4/0

ip vrf forwarding Comp2

ip address 10.0.0.5 255.255.255.252

negotiation auto

!

router ospf 1 vrf Comp1

network 10.0.0.0 0.0.0.3 area 0

network 10.0.0.4 0.0.0.3 area 0

!

router ospf 2 vrf Comp2

network 10.0.0.0 0.0.0.3 area 0

network 10.0.0.4 0.0.0.3 area 0

!

ip forward-protocol nd

no ip http server

no ip http secure-server

!

!

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

mgcp profile default

!

!

!

gatekeeper

shutdown

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line vty 0 4

login

transport input all

!

!

End

# Router 2

Current configuration : 1528 bytes

!

upgrade fpd auto

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname R2

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

no ip icmp rate-limit unreachable

!

!

!

ip vrf Comp1

!

ip vrf Comp2

!

!

!

!

no ip domain lookup

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

!

!

!

redundancy

!

!

ip tcp synwait-time 5

!

!

!

!

!

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex half

!

interface GigabitEthernet1/0

ip vrf forwarding Comp1

ip address 10.0.0.6 255.255.255.252

negotiation auto

!

interface GigabitEthernet2/0

ip vrf forwarding Comp2

ip address 10.0.0.6 255.255.255.252

negotiation auto

!

interface GigabitEthernet3/0

ip vrf forwarding Comp1

ip address 10.0.0.9 255.255.255.252

negotiation auto

!

interface GigabitEthernet4/0

ip vrf forwarding Comp2

ip address 10.0.0.9 255.255.255.252

negotiation auto

!

router ospf 1 vrf Comp1

network 10.0.0.4 0.0.0.3 area 0

network 10.0.0.8 0.0.0.3 area 0

!

router ospf 2 vrf Comp2

network 10.0.0.4 0.0.0.3 area 0

network 10.0.0.8 0.0.0.3 area 0

!

ip forward-protocol nd

no ip http server

R2(config)#exit

R2#copy ru

\*Jun 4 09:02:16.739: %SYS-5-CONFIG\_I: Configured from console by console

R2#copy run start

Destination filename [startup-config]?

Warning: Attempting to overwrite an NVRAM configuration previously written

by a different version of the system image.

Overwrite the previous NVRAM configuration?[confirm]

Building configuration...

[OK]

R2#

R2#

R2#show run

Building configuration...

Current configuration : 1587 bytes

!

! Last configuration change at 09:02:16 UTC Tue Jun 4 2024

upgrade fpd auto

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname R2

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

no ip icmp rate-limit unreachable

!

!

!

ip vrf Comp1

!

ip vrf Comp2

!

!

!

!

no ip domain lookup

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

!

!

!

redundancy

!

!

ip tcp synwait-time 5

!

!

!

!

!

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex half

!

interface GigabitEthernet1/0

ip vrf forwarding Comp1

ip address 10.0.0.6 255.255.255.252

negotiation auto

!

interface GigabitEthernet2/0

ip vrf forwarding Comp2

ip address 10.0.0.6 255.255.255.252

negotiation auto

!

interface GigabitEthernet3/0

ip vrf forwarding Comp1

ip address 10.0.0.9 255.255.255.252

negotiation auto

!

interface GigabitEthernet4/0

ip vrf forwarding Comp2

ip address 10.0.0.9 255.255.255.252

negotiation auto

!

router ospf 1 vrf Comp1

network 10.0.0.4 0.0.0.3 area 0

network 10.0.0.8 0.0.0.3 area 0

!

router ospf 2 vrf Comp2

network 10.0.0.4 0.0.0.3 area 0

network 10.0.0.8 0.0.0.3 area 0

!

ip forward-protocol nd

no ip http server

no ip http secure-server

!

!

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

mgcp profile default

!

!

!

gatekeeper

shutdown

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line vty 0 4

login

transport input all

!

!

End

# Router 3

Current configuration : 1593 bytes

!

! Last configuration change at 09:02:26 UTC Tue Jun 4 2024

upgrade fpd auto

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname R3

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

no ip icmp rate-limit unreachable

!

!

!

ip vrf Comp1

!

ip vrf Comp2

!

!

!

!

no ip domain lookup

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

!

!

!

redundancy

!

!

ip tcp synwait-time 5

!

!

!

!

!

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex half

!

interface GigabitEthernet1/0

ip vrf forwarding Comp1

ip address 10.0.0.10 255.255.255.252

negotiation auto

!

interface GigabitEthernet2/0

ip vrf forwarding Comp2

ip address 10.0.0.10 255.255.255.252

negotiation auto

!

interface GigabitEthernet3/0

ip vrf forwarding Comp1

ip address 10.0.0.13 255.255.255.252

negotiation auto

!

interface GigabitEthernet4/0

ip vrf forwarding Comp2

ip address 10.0.0.13 255.255.255.252

negotiation auto

!

router ospf 1 vrf Comp1

network 10.0.0.8 0.0.0.3 area 0

network 10.0.0.12 0.0.0.3 area 0

!

router ospf 2 vrf Comp2

network 10.0.0.8 0.0.0.3 area 0

network 10.0.0.12 0.0.0.3 area 0

!

ip forward-protocol nd

no ip http server

no ip http secure-server

!

!

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

mgcp profile default

!

!

!

gatekeeper

shutdown

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line vty 0 4

login

transport input all

!

!

End

# Router 4

Current configuration : 1595 bytes

!

! Last configuration change at 08:37:26 UTC Tue Jun 4 2024

upgrade fpd auto

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname R4

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

no ip icmp rate-limit unreachable

!

!

!

ip vrf Comp1

!

ip vrf Comp2

!

!

!

!

no ip domain lookup

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

!

!

!

redundancy

!

!

ip tcp synwait-time 5

!

!

!

!

!

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex half

!

interface GigabitEthernet1/0

ip vrf forwarding Comp1

ip address 10.0.0.14 255.255.255.252

negotiation auto

!

interface GigabitEthernet2/0

ip vrf forwarding Comp2

ip address 10.0.0.14 255.255.255.252

negotiation auto

!

interface GigabitEthernet3/0

ip vrf forwarding Comp1

ip address 10.0.0.17 255.255.255.252

negotiation auto

!

interface GigabitEthernet4/0

ip vrf forwarding Comp2

ip address 10.0.0.17 255.255.255.252

negotiation auto

!

router ospf 1 vrf Comp1

network 10.0.0.12 0.0.0.3 area 0

network 10.0.0.16 0.0.0.3 area 0

!

router ospf 2 vrf Comp2

network 10.0.0.12 0.0.0.3 area 0

network 10.0.0.16 0.0.0.3 area 0

!

ip forward-protocol nd

no ip http server

no ip http secure-server

!

!

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

mgcp profile default

!

!

!

gatekeeper

shutdown

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line vty 0 4

login

transport input all

!

!

end

R4(config)#

R4(config)#

R4(config)#exit

R4#copy run star

\*Jun 4 09:02:32.943: %SYS-5-CONFIG\_I: Configured from console by console

R4#copy run start

Destination filename [startup-config]?

Warning: Attempting to overwrite an NVRAM configuration previously written

by a different version of the system image.

Overwrite the previous NVRAM configuration?[confirm]

Building configuration...

[OK]

R4#

R4#

R4#

R4# show run

Building configuration...

Current configuration : 1595 bytes

!

! Last configuration change at 09:02:32 UTC Tue Jun 4 2024

upgrade fpd auto

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname R4

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

no ip icmp rate-limit unreachable

!

!

!

ip vrf Comp1

!

ip vrf Comp2

!

!

!

!

no ip domain lookup

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

!

!

!

redundancy

!

!

ip tcp synwait-time 5

!

!

!

!

!

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex half

!

interface GigabitEthernet1/0

ip vrf forwarding Comp1

ip address 10.0.0.14 255.255.255.252

negotiation auto

!

interface GigabitEthernet2/0

ip vrf forwarding Comp2

ip address 10.0.0.14 255.255.255.252

negotiation auto

!

interface GigabitEthernet3/0

ip vrf forwarding Comp1

ip address 10.0.0.17 255.255.255.252

negotiation auto

!

interface GigabitEthernet4/0

ip vrf forwarding Comp2

ip address 10.0.0.17 255.255.255.252

negotiation auto

!

router ospf 1 vrf Comp1

network 10.0.0.12 0.0.0.3 area 0

network 10.0.0.16 0.0.0.3 area 0

!

router ospf 2 vrf Comp2

network 10.0.0.12 0.0.0.3 area 0

network 10.0.0.16 0.0.0.3 area 0

!

ip forward-protocol nd

no ip http server

no ip http secure-server

!

!

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

mgcp profile default

!

!

!

gatekeeper

shutdown

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

stopbits 1

line vty 0 4

login

transport input all

!

!

end

PC1> ip 10.0.0.1/30 10.0.0.2

PC2> ip 10.0.0.1/30 10.0.0.2

PC3> ip 10.0.0.18/30 10.0.0.17

PC4> ip 10.0.0.18/30 10.0.0.17