

Switch-13

Building configuration...

Current configuration : 8221 bytes

!

! Last configuration change at 15:56:33 UTC Sun Nov 16 2025 by admin

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SWITCH1

!

boot-start-marker

boot-end-marker

!

!

logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL

logging buffered 50000

enable secret 5 \$1\$ZOpM\$.8rTB/MTWYbMp/nxXcI2w1

!

username admin privilege 15 secret 5 \$1\$ZhWP\$/UwmQcuaA7oEZYJuyfw/M0

aaa new-model

!

!

aaa authentication login default local

aaa session-id common

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 10,44-100

ip dhcp snooping

no ip domain-lookup

no ip cef

ipv6 multicast rpf use-bgp

no ipv6 cef

!

!

errdisable recovery cause psecure-violation

errdisable recovery interval 30

!

spanning-tree mode pvst

spanning-tree portfast edge default

spanning-tree extend system-id

interface GigabitEthernet0/0

description TO-SWITCH1-MS1

switchport trunk allowed vlan 10,44,100

switchport trunk encapsulation dot1q

switchport mode trunk

negotiation auto

ip dhcp snooping trust

!

interface GigabitEthernet0/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

```
interface GigabitEthernet0/2
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet0/3
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet1/0
  description PC1
```

```
switchport access vlan 10
switchport mode access
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security mac-address sticky 0050.7966.6801
switchport port-security
negotiation auto
spanning-tree portfast edge
spanning-tree bpduguard enable
ip dhcp snooping limit rate 25
```

!

```
interface GigabitEthernet1/1
description PC2
switchport access vlan 10
switchport mode access
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security mac-address sticky 0050.7966.6802
switchport port-security
negotiation auto
spanning-tree portfast edge
```

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet1/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

```
interface GigabitEthernet2/0
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
!
```

```
interface GigabitEthernet2/1
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
!
```

```
interface GigabitEthernet2/2
  switchport access vlan 100
  switchport mode access
```

```
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/0
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
```


switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet3/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet3/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

```
interface GigabitEthernet3/3
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/1
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet3/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
line con 0
exec-timeout 0 0
```

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

!

!

End

Switch-14

Building configuration...

Current configuration : 8212 bytes

!

! Last configuration change at 15:54:31 UTC Sun Nov 16 2025

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SWITCH2

!

boot-start-marker

boot-end-marker

!

!

logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL

logging buffered 50000

enable secret 5 \$1\$Qchw\$sVvymxzTfmD/0dKLzzPeq0

!

username admin privilege 15 secret 5 \$1\$Dxo7\$VWe7JimqTvESMC5M84Lqn.

aaa new-model

!

!

aaa authentication login default local

aaa session-id common

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 20,55-100

ip dhcp snooping

no ip domain-lookup

no ip cef

ipv6 multicast rpf use-bgp

no ipv6 cef

!

!

errdisable recovery cause psecure-violation

errdisable recovery interval 30

!

spanning-tree mode pvst

spanning-tree portfast edge default

spanning-tree extend system-id

aaa session-id common

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 20,55-100

ip dhcp snooping

no ip domain-lookup

no ip cef

ipv6 multicast rpf use-bgp

no ipv6 cef

!

!

errdisable recovery cause psecure-violation

errdisable recovery interval 30

!

spanning-tree mode pvst

spanning-tree portfast edge default

spanning-tree extend system-id

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet1/0

description PC3

switchport access vlan 20

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.6803

switchport port-security

negotiation auto

spanning-tree portfast edge

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/1

description PC4

switchport access vlan 20

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.6804

switchport port-security

negotiation auto


```
spanning-tree portfast edge
spanning-tree bpduguard enable
ip dhcp snooping limit rate 25
```

```
!
```

```
interface GigabitEthernet1/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

```
!
```

```
interface GigabitEthernet1/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/0
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet2/1
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet2/2
  switchport access vlan 100
```

```
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/0
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
```

```
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/1
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
```

negotiation auto

!

interface GigabitEthernet3/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface Vlan55

ip address 192.168.55.55 255.255.255.0

!

ip default-gateway 192.168.55.1

ip forward-protocol nd

!

ip tcp synwait-time 5

no ip http server

ip http secure-server

!

ip ssh server algorithm encryption aes128-ctr aes192-ctr aes256-ctr

ip ssh client algorithm encryption aes128-ctr aes192-ctr aes256-ctr

!

!

logging trap debugging

!

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

!

!

End

Switch-15

Building configuration...

Current configuration : 8211 bytes

!

! Last configuration change at 15:54:30 UTC Sun Nov 16 2025

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SWITC3

!

boot-start-marker

boot-end-marker

!

!

logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL

logging buffered 50000

enable secret 5 \$1\$gK0M\$GuRTBt3cBEdgyW7W/9eGl0

!

username admin privilege 15 secret 5 \$1\$3OvJ\$fxatXFPg5xIxuib8uVtZv1

aaa new-model

!

!

aaa authentication login default local

aaa session-id common

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 30,66-100

ip dhcp snooping

no ip domain-lookup

no ip cef

ipv6 multicast rpf use-bgp

no ipv6 cef

!

!

errdisable recovery cause psecure-violation

errdisable recovery interval 30

!

spanning-tree mode pvst

spanning-tree portfast edge default

spanning-tree extend system-id

interface GigabitEthernet0/0

description TO-SWITCH3-MS2

switchport trunk allowed vlan 30,66,100

switchport trunk encapsulation dot1q

switchport mode trunk

negotiation auto

ip dhcp snooping trust

!

interface GigabitEthernet0/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet0/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet0/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet1/0

description PC5

switchport access vlan 30

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.6805

switchport port-security

negotiation auto

spanning-tree portfast edge

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/1

description PC6

switchport access vlan 30

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.6806

switchport port-security

negotiation auto

```
spanning-tree portfast edge
spanning-tree bpduguard enable
ip dhcp snooping limit rate 25
```

```
!
```

```
interface GigabitEthernet1/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

```
!
```

```
interface GigabitEthernet1/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/0
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet2/1
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet2/2
  switchport access vlan 100
```

```
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/0
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
```

```
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/1
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
```

negotiation auto

!

interface GigabitEthernet3/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface Vlan66

ip address 192.168.66.55 255.255.255.0

!

ip default-gateway 192.168.66.1

ip forward-protocol nd

!

ip tcp synwait-time 5

no ip http server

ip http secure-server

!

ip ssh server algorithm encryption aes128-ctr aes192-ctr aes256-ctr

ip ssh client algorithm encryption aes128-ctr aes192-ctr aes256-ctr

!

!

logging trap debugging

!

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

!

!

End

Switch-16

Building configuration...

Current configuration : 8212 bytes

!

! Last configuration change at 15:54:30 UTC Sun Nov 16 2025

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SWITCH4

!

boot-start-marker

boot-end-marker

!

!

logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL

logging buffered 50000

enable secret 5 \$1\$e2LF\$WTH0tkjqlGs/wLMa1SVmq0

!

username admin privilege 15 secret 5 \$1\$Kckg\$RISOOhyLv004yCQfRGvcC1

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

!

aaa session-id common

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 40,77-100

ip dhcp snooping

no ip domain-lookup

no ip cef

ipv6 multicast rpf use-bgp

no ipv6 cef

!

!

errdisable recovery cause psecure-violation

errdisable recovery interval 30

!

spanning-tree mode pvst

spanning-tree portfast edge default

spanning-tree extend system-id

interface GigabitEthernet0/0

description TO-SWITCH4-MS2

switchport trunk allowed vlan 40,77,100

switchport trunk encapsulation dot1q

switchport mode trunk

negotiation auto

ip dhcp snooping trust

!

interface GigabitEthernet0/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet0/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet0/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet1/0

description PC7

switchport access vlan 40

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.6807

switchport port-security

negotiation auto

spanning-tree portfast edge

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/1

description PC8

switchport access vlan 40

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.6808

```
switchport port-security
negotiation auto
spanning-tree portfast edge
spanning-tree bpduguard enable
ip dhcp snooping limit rate 25
```

!

```
interface GigabitEthernet1/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet1/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
```

switchport port-security

negotiation auto

!

interface GigabitEthernet2/0

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet2/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!


```
interface GigabitEthernet2/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
!
```

```
interface GigabitEthernet2/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
!
```

```
interface GigabitEthernet3/0
switchport access vlan 100
switchport mode access
```

```
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/1
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
```

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet3/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface Vlan77

ip address 192.168.77.55 255.255.255.0

!

ip default-gateway 192.168.77.1

ip forward-protocol nd

!

ip tcp synwait-time 5

no ip http server

ip http secure-server

!

ip ssh server algorithm encryption aes128-ctr aes192-ctr aes256-ctr

ip ssh client algorithm encryption aes128-ctr aes192-ctr aes256-ctr

!

!

logging trap debugging

!

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

!

!

End

Switch-17

Building configuration...

Current configuration : 8213 bytes

!

! Last configuration change at 15:54:30 UTC Sun Nov 16 2025

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SWITCH5

!

boot-start-marker

boot-end-marker

!

!

logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL

logging buffered 50000

enable secret 5 \$1\$ZAF6\$qTIycCnhYlG35KOcDlk2d1

!

username admin privilege 15 secret 5 \$1\$yQsn\$EhLpUlpaA.fZoHdTtlqeq.

aaa new-model

!

!

aaa authentication login default local

aaa session-id common

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 50,88-100

ip dhcp snooping

no ip domain-lookup

no ip cef

ipv6 multicast rpf use-bgp

no ipv6 cef

!

!

errdisable recovery cause psecure-violation

errdisable recovery interval 30

!

spanning-tree mode pvst

spanning-tree portfast edge default

spanning-tree extend system-id

!

interface GigabitEthernet0/0

description TO-SWITCH5-MS3

switchport trunk allowed vlan 50,88,100

switchport trunk encapsulation dot1q

switchport mode trunk

negotiation auto

ip dhcp snooping trust

!

interface GigabitEthernet0/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

```
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet0/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet0/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
```


negotiation auto

!

interface GigabitEthernet1/0

description PC9

switchport access vlan 50

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.6809

switchport port-security

negotiation auto

spanning-tree portfast edge

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/1

description PC10

switchport access vlan 50

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.680a

switchport port-security

negotiation auto

spanning-tree portfast edge

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet1/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet2/0

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet2/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

```
interface GigabitEthernet2/2
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet2/3
  switchport access vlan 100
  switchport mode access
  switchport port-security violation restrict
  switchport port-security mac-address sticky
  switchport port-security aging time 5
  switchport port-security aging type inactivity
  switchport port-security
  negotiation auto
```

!

```
interface GigabitEthernet3/0
  switchport access vlan 100
```

```
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/1
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
```

```
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface Vlan88
ip address 192.168.88.55 255.255.255.0
```

!

```
ip default-gateway 192.168.88.1
ip forward-protocol nd
```

!

```
ip tcp synwait-time 5
no ip http server
```

ip http secure-server

!

ip ssh server algorithm encryption aes128-ctr aes192-ctr aes256-ctr

ip ssh client algorithm encryption aes128-ctr aes192-ctr aes256-ctr

!

!

logging trap debugging

!

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

!

!

End

Switch-18

Building configuration...

Current configuration : 8214 bytes

!

! Last configuration change at 15:54:27 UTC Sun Nov 16 2025

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SWITCH6

!

boot-start-marker

boot-end-marker

!

!

logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL

logging buffered 50000

enable secret 5 \$1\$iyhd\$mVeNmSAmayCt1xaREY7CP/

!

username admin privilege 15 secret 5 \$1\$9lm8\$pJtywhiZEoMkPlS1dWOtr0

aaa new-model

!

!

aaa authentication login default local

aaa session-id common

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 60,99-100

ip dhcp snooping

no ip domain-lookup

no ip cef

```
ipv6 multicast rpf use-bgp
no ipv6 cef
!
!
errdisable recovery cause psecure-violation
errdisable recovery interval 30
!
spanning-tree mode pvst
spanning-tree portfast edge default
spanning-tree extend system-id
!
interface GigabitEthernet0/0
description TO-SWITCH6-MS3
switchport trunk allowed vlan 60,99,100
switchport trunk encapsulation dot1q
switchport mode trunk
negotiation auto
ip dhcp snooping trust
!
interface GigabitEthernet0/1
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
```

```
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet0/2
```

```
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet0/3
```

```
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
```

switchport port-security

negotiation auto

!

interface GigabitEthernet1/0

description PC11

switchport access vlan 60

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.680b

switchport port-security

negotiation auto

spanning-tree portfast edge

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/1

description PC12

switchport access vlan 60

switchport mode access

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.7966.680c

switchport port-security

negotiation auto

spanning-tree portfast edge

spanning-tree bpduguard enable

ip dhcp snooping limit rate 25

!

interface GigabitEthernet1/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet1/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

```
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/0
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/1
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
```

negotiation auto

!

interface GigabitEthernet2/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet2/3

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet3/0

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet3/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet3/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict


```
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface Vlan99
ip address 192.168.99.55 255.255.255.0
```

!

```
ip default-gateway 192.168.99.1
ip forward-protocol nd
```

!

```
ip tcp synwait-time 5
```

no ip http server

ip http secure-server

!

ip ssh server algorithm encryption aes128-ctr aes192-ctr aes256-ctr

ip ssh client algorithm encryption aes128-ctr aes192-ctr aes256-ctr

!

!

logging trap debugging

!

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

!

!

End

AdminSwitch

Building configuration...

Current configuration : 8235 bytes

!

! Last configuration change at 15:54:28 UTC Sun Nov 16 2025

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname AdminSwitch

!

boot-start-marker

boot-end-marker

!

!

logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL

logging buffered 50000

enable secret 5 \$1\$Afp\$Jp/g5FpVR9Wv/Okc/aCuR/

!

username admin privilege 15 secret 5 \$1\$BG/n\$tbIXv/4Irer6/ewVVXi.R0

aaa new-model

!

!

aaa authentication login default local

aaa session-id common

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

ip dhcp snooping vlan 33-100

ip dhcp snooping

no ip domain-lookup

no ip cef

ipv6 multicast rpf use-bgp

no ipv6 cef

!

!

errdisable recovery cause psecure-violation

errdisable recovery interval 30

!

spanning-tree mode pvst

spanning-tree portfast edge default

spanning-tree extend system-id

!

interface GigabitEthernet0/0

description TO-AdminSwitch-RouterAdmin

switchport trunk allowed vlan 33,69,70,80,90,100

switchport trunk encapsulation dot1q

switchport mode trunk

negotiation auto

ip dhcp snooping trust

!

interface GigabitEthernet0/1

switchport access vlan 100

switchport mode access

```
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet0/2
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet0/0
description TO-AdminSwitch-RouterAdmin
switchport trunk allowed vlan 33,69,70,80,90,100
switchport trunk encapsulation dot1q
switchport mode trunk
negotiation auto
```

ip dhcp snooping trust

!

interface GigabitEthernet0/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet0/2

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet1/2

```
description FTP-Server
switchport access vlan 90
switchport mode access
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security
negotiation auto
spanning-tree portfast edge
spanning-tree bpduguard enable
ip dhcp snooping limit rate 25
```

!

```
interface GigabitEthernet1/3
description 1C-server
switchport access vlan 69
switchport mode access
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security
negotiation auto
spanning-tree portfast edge
spanning-tree bpduguard enable
```



```
ip dhcp snooping limit rate 25
```

```
!
```

```
interface GigabitEthernet2/0
```

```
switchport access vlan 100
```

```
switchport mode access
```

```
switchport port-security violation restrict
```

```
switchport port-security mac-address sticky
```

```
switchport port-security aging time 5
```

```
switchport port-security aging type inactivity
```

```
switchport port-security
```

```
negotiation auto
```

```
!
```

```
interface GigabitEthernet2/1
```

```
switchport access vlan 100
```

```
switchport mode access
```

```
switchport port-security violation restrict
```

```
switchport port-security mac-address sticky
```

```
switchport port-security aging time 5
```

```
switchport port-security aging type inactivity
```

```
switchport port-security
```

```
negotiation auto
```

```
!
```

```
interface GigabitEthernet2/2
```

```
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/0
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
```

```
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet3/1
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
switchport port-security
negotiation auto
```

!

```
interface GigabitEthernet2/3
switchport access vlan 100
switchport mode access
switchport port-security violation restrict
switchport port-security mac-address sticky
switchport port-security aging time 5
switchport port-security aging type inactivity
```

switchport port-security

negotiation auto

!

interface GigabitEthernet3/0

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

interface GigabitEthernet3/1

switchport access vlan 100

switchport mode access

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 5

switchport port-security aging type inactivity

switchport port-security

negotiation auto

!

logging trap debugging

!

!

!

!

!

!

control-plane

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

!

!

End

Vios-19

Building configuration...

Current configuration : 7984 bytes

!

version 15.9

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname MS1

!

boot-start-marker

boot-end-marker

!

!

logging buffered 50000 warnings

enable secret 9

\$9\$9EwBR056Uy3suv\$2igSh3cESKybGgDppu7hxmbHB8VbaCSFGPex9jhwNn

Q

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

!

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

ip dhcp excluded-address 192.168.1.1

ip dhcp excluded-address 192.168.2.1

ip dhcp excluded-address 192.168.3.1

ip dhcp excluded-address 192.168.4.1

ip dhcp excluded-address 192.168.5.1

ip dhcp excluded-address 192.168.6.1

ip dhcp excluded-address 192.168.7.1

ip dhcp excluded-address 192.168.8.1
ip dhcp excluded-address 192.168.9.1
ip dhcp excluded-address 192.168.11.1
ip dhcp excluded-address 192.168.13.1
ip dhcp excluded-address 192.168.14.1
ip dhcp excluded-address 192.168.16.1
ip dhcp excluded-address 192.168.17.1
ip dhcp excluded-address 192.168.19.1
ip dhcp excluded-address 192.168.21.1
ip dhcp excluded-address 192.168.23.1
ip dhcp excluded-address 192.168.24.1
ip dhcp excluded-address 192.168.26.1
ip dhcp excluded-address 192.168.27.1
ip dhcp excluded-address 192.168.98.1
ip dhcp excluded-address 192.168.44.1
ip dhcp excluded-address 192.168.55.1
ip dhcp excluded-address 192.168.66.1
ip dhcp excluded-address 192.168.77.1
ip dhcp excluded-address 192.168.88.1
ip dhcp excluded-address 192.168.99.1
ip dhcp excluded-address 192.168.33.1
ip dhcp excluded-address 192.168.100.1
ip dhcp excluded-address 192.168.22.1

!

ip dhcp pool VLAN10

network 192.168.10.0 255.255.255.0

default-router 192.168.10.1

dns-server 8.8.8.8 1.1.1.1

!

ip dhcp pool VLAN20

network 192.168.20.0 255.255.255.0

default-router 192.168.20.1

dns-server 8.8.8.8 1.1.1.1

!

!

!

no ip domain lookup

ip domain name corp.local

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

username admin privilege 15 secret 9

\$9\$ZPQt1RQO8T4CUP\$TpX8b4PLBItlw9qH7qBlvsDu04AeGYJdy4VFr2QNG
Dg

!

redundancy

!

!

track 1 ip sla 1 reachability

!

ip tcp synwait-time 5

!

interface GigabitEthernet0/0

ip address 192.168.1.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/1

```
ip address 192.168.2.2 255.255.255.252
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 11
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/2
no ip address
shutdown
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/3
no ip address
shutdown
duplex auto
speed auto
```

media-type rj45

!

interface GigabitEthernet0/4

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/5

no ip address

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/5.10

encapsulation dot1Q 10

ip address 192.168.10.1 255.255.255.0

!

interface GigabitEthernet0/5.44

encapsulation dot1Q 44

ip address 192.168.44.1 255.255.255.0

!

```
interface GigabitEthernet0/5.100
```

```
encapsulation dot1Q 100
```

```
ip address 192.168.100.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/6
```

```
no ip address
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

```
!
```

```
interface GigabitEthernet0/6.20
```

```
encapsulation dot1Q 20
```

```
ip address 192.168.20.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/6.55
```

```
encapsulation dot1Q 55
```

```
ip address 192.168.55.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/7
```

```
ip address 192.168.3.1 255.255.255.252
```

```
ip ospf authentication message-digest
```

```
ip ospf message-digest-key 1 md5 SuperSecureKey
```

```
ip ospf network point-to-point
```

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 12

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/8

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/9

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/10

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/11

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/12

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/13

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/14

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/15

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

router ospf 50

router-id 1.2.1.2

area 0 authentication message-digest

passive-interface default

no passive-interface GigabitEthernet0/0

no passive-interface GigabitEthernet0/1

no passive-interface GigabitEthernet0/7

network 192.168.1.0 0.0.0.3 area 0

network 192.168.2.0 0.0.0.3 area 0

network 192.168.3.0 0.0.0.3 area 0

network 192.168.10.0 0.0.0.255 area 0

network 192.168.20.0 0.0.0.255 area 0

network 192.168.44.0 0.0.0.255 area 0

network 192.168.55.0 0.0.0.255 area 0

network 192.168.100.0 0.0.0.255 area 0

!

ip forward-protocol nd

!

no ip http server

no ip http secure-server

ip route 0.0.0.0 0.0.0.0 192.168.1.1 track 1

ip route 0.0.0.0 0.0.0.0 192.168.2.1 10

ip ssh time-out 60

ip ssh authentication-retries 2

ip ssh version 2

!

ip access-list standard MGMT_ALLOW

permit 192.168.44.0 0.0.0.255

permit 192.168.55.0 0.0.0.255

deny any

!

ip sla 1

icmp-echo 192.168.2.1 source-interface GigabitEthernet0/0

threshold 500

frequency 5

ip sla schedule 1 life forever start-time now

logging trap warnings

ipv6 ioam timestamp

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

```
logging synchronous
line vty 0 4
access-class MGMT_ALLOW in
transport input ssh
!
no scheduler allocate
!
End
```

VIOS-20

Building configuration...

Current configuration : 8298 bytes

```
!
version 15.9
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname MS2
!
boot-start-marker
boot-end-marker
!
```

!

logging buffered 50000 warnings

enable secret 9

\$9\$riIa.Pp/BaWk9\$jLQxv29pDNtfuOxqxm2YZI4y2XRtpeEflzB95foULok

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

!

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

ip dhcp excluded-address 192.168.1.1

ip dhcp excluded-address 192.168.2.1

ip dhcp excluded-address 192.168.3.1

ip dhcp excluded-address 192.168.4.1

ip dhcp excluded-address 192.168.5.1

ip dhcp excluded-address 192.168.6.1

ip dhcp excluded-address 192.168.7.1

ip dhcp excluded-address 192.168.8.1

ip dhcp excluded-address 192.168.9.1

ip dhcp excluded-address 192.168.11.1

ip dhcp excluded-address 192.168.13.1

ip dhcp excluded-address 192.168.14.1

ip dhcp excluded-address 192.168.16.1

ip dhcp excluded-address 192.168.17.1

ip dhcp excluded-address 192.168.19.1

ip dhcp excluded-address 192.168.21.1

ip dhcp excluded-address 192.168.23.1

ip dhcp excluded-address 192.168.24.1

ip dhcp excluded-address 192.168.26.1

```
ip dhcp excluded-address 192.168.27.1
ip dhcp excluded-address 192.168.98.1
ip dhcp excluded-address 192.168.44.1
ip dhcp excluded-address 192.168.55.1
ip dhcp excluded-address 192.168.66.1
ip dhcp excluded-address 192.168.77.1
ip dhcp excluded-address 192.168.88.1
ip dhcp excluded-address 192.168.99.1
ip dhcp excluded-address 192.168.33.1
ip dhcp excluded-address 192.168.100.1
ip dhcp excluded-address 192.168.22.1
```

!

```
ip dhcp pool VLAN30
network 192.168.30.0 255.255.255.0
default-router 192.168.30.1
dns-server 8.8.8.8 1.1.1.1
```

!

```
ip dhcp pool VLAN40
network 192.168.40.0 255.255.255.0
default-router 192.168.40.1
dns-server 8.8.8.8 1.1.1.1
```

!

!

!

no ip domain lookup

ip domain name corp.local

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

username admin privilege 15 secret 9

\$9\$QLHeDA/dk7LTTv\$d2vgnn0M1.bsU8rpWhX3/1dmRC1pe5.WNiFCN0xaiA
A

!

redundancy

!

!

track 1 ip sla 1 reachability

!

ip tcp synwait-time 5

!

interface GigabitEthernet0/0

ip address 192.168.4.2 255.255.255.252

```
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 10
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/1
ip address 192.168.5.2 255.255.255.252
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 11
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/2
```


no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/3

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/4

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/5

no ip address

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/5.30

encapsulation dot1Q 30

ip address 192.168.30.1 255.255.255.0

!

interface GigabitEthernet0/5.66

encapsulation dot1Q 66

ip address 192.168.66.1 255.255.255.0

!

interface GigabitEthernet0/5.100

encapsulation dot1Q 100

ip address 192.168.100.1 255.255.255.0

!

interface GigabitEthernet0/6

no ip address

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/6.40

encapsulation dot1Q 40

```
ip address 192.168.40.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/6.77
```

```
encapsulation dot1Q 77
```

```
ip address 192.168.77.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/7
```

```
ip address 192.168.3.2 255.255.255.252
```

```
ip ospf authentication message-digest
```

```
ip ospf message-digest-key 1 md5 SuperSecureKey
```

```
ip ospf network point-to-point
```

```
ip ospf hello-interval 1
```

```
ip ospf 50 area 0
```

```
ip ospf cost 12
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

```
!
```

```
interface GigabitEthernet0/8
```

```
ip address 192.168.6.1 255.255.255.252
```

```
ip ospf authentication message-digest
```

```
ip ospf message-digest-key 1 md5 SuperSecureKey
```

```
ip ospf network point-to-point
```

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 13

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/9

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/10

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/11

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/12

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/13

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/14

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/15

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

router ospf 50

router-id 1.3.1.3

area 0 authentication message-digest

passive-interface default

no passive-interface GigabitEthernet0/0

no passive-interface GigabitEthernet0/1

no passive-interface GigabitEthernet0/7

no passive-interface GigabitEthernet0/8

network 192.168.3.0 0.0.0.3 area 0

network 192.168.4.0 0.0.0.3 area 0

network 192.168.5.0 0.0.0.3 area 0

network 192.168.6.0 0.0.0.3 area 0

network 192.168.30.0 0.0.0.255 area 0

network 192.168.40.0 0.0.0.255 area 0

network 192.168.66.0 0.0.0.255 area 0

network 192.168.77.0 0.0.0.255 area 0

network 192.168.100.0 0.0.0.255 area 0

!

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

ip route 0.0.0.0 0.0.0.0 192.168.4.1 track 1

ip route 0.0.0.0 0.0.0.0 192.168.5.1 10

ip route 0.0.0.0 0.0.0.0 192.168.3.1 20

ip ssh time-out 60

ip ssh authentication-retries 2

ip ssh version 2

!

ip access-list standard MGMT_ALLOW

permit 192.168.66.0 0.0.0.255

permit 192.168.77.0 0.0.0.255

deny any

!

ip sla 1

icmp-echo 192.168.5.1 source-interface GigabitEthernet0/0

threshold 500

frequency 5

ip sla schedule 1 life forever start-time now

logging trap warnings

ipv6 ioam timestamp

!

!

!

!

!

control-plane

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

access-class MGMT_ALLOW in

transport input ssh

!

no scheduler allocate

!

End

VIOS-21

Building configuration...

Current configuration : 8024 bytes

!

version 15.9

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname MS3

!

boot-start-marker

boot-end-marker

!

!

logging buffered 50000 warnings

enable secret 9

\$9\$b57Gy3l7VXzjLf\$170.AHuTQGnwXcmknQc8CleEBzMsG3rhM07eyyfXDp.

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

ip dhcp excluded-address 192.168.1.1

ip dhcp excluded-address 192.168.2.1
ip dhcp excluded-address 192.168.3.1
ip dhcp excluded-address 192.168.4.1
ip dhcp excluded-address 192.168.5.1
ip dhcp excluded-address 192.168.6.1
ip dhcp excluded-address 192.168.7.1
ip dhcp excluded-address 192.168.8.1
ip dhcp excluded-address 192.168.9.1
ip dhcp excluded-address 192.168.11.1
ip dhcp excluded-address 192.168.13.1
ip dhcp excluded-address 192.168.14.1
ip dhcp excluded-address 192.168.16.1
ip dhcp excluded-address 192.168.17.1
ip dhcp excluded-address 192.168.19.1
ip dhcp excluded-address 192.168.21.1
ip dhcp excluded-address 192.168.23.1
ip dhcp excluded-address 192.168.24.1
ip dhcp excluded-address 192.168.26.1
ip dhcp excluded-address 192.168.27.1
ip dhcp excluded-address 192.168.98.1
ip dhcp excluded-address 192.168.44.1
ip dhcp excluded-address 192.168.55.1
ip dhcp excluded-address 192.168.66.1

```
ip dhcp excluded-address 192.168.77.1
ip dhcp excluded-address 192.168.88.1
ip dhcp excluded-address 192.168.99.1
ip dhcp excluded-address 192.168.33.1
ip dhcp excluded-address 192.168.100.1
ip dhcp excluded-address 192.168.22.1
```

!

```
ip dhcp pool VLAN50
network 192.168.50.0 255.255.255.0
default-router 192.168.50.1
dns-server 8.8.8.8 1.1.1.1
```

!

```
ip dhcp pool VLAN60
network 192.168.60.0 255.255.255.0
default-router 192.168.60.1
dns-server 8.8.8.8 1.1.1.1
```

!

!

!

```
no ip domain lookup
ip domain name corp.local
ip cef
no ipv6 cef
```

!

multilink bundle-name authenticated

!

!

!

!

username admin privilege 15 secret 9

\$9\$qaUyGxn40jUlcP\$eePB0IZEELIr/.RPHZvqzn8Uc1Bkk4lG2LmVUaKoLoI

!

redundancy

!

!

track 1 ip sla 1 reachability

!

ip tcp synwait-time 5

!

interface GigabitEthernet0/0

ip address 192.168.8.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/1

ip address 192.168.7.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 11

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/2

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

```
interface GigabitEthernet0/3
```

```
no ip address
```

```
shutdown
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

!

```
interface GigabitEthernet0/4
```

```
no ip address
```

```
shutdown
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

!

```
interface GigabitEthernet0/5
```

```
no ip address
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

!

```
interface GigabitEthernet0/5.50
```

```
encapsulation dot1Q 50
```

```
ip address 192.168.50.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/5.88
```

```
encapsulation dot1Q 88
```

```
ip address 192.168.88.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/5.100
```

```
encapsulation dot1Q 100
```

```
ip address 192.168.100.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/6
```

```
no ip address
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

```
!
```

```
interface GigabitEthernet0/6.60
```

```
encapsulation dot1Q 60
```

```
ip address 192.168.60.1 255.255.255.0
```

```
!
```

```
interface GigabitEthernet0/6.99
```

```
encapsulation dot1Q 99
```

```
ip address 192.168.99.1 255.255.255.0
```


!

interface GigabitEthernet0/7

ip address 192.168.6.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 12

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/8

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/9

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/10

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/11

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/12

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/13

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/14

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/15

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

```
router ospf 50
router-id 1.4.1.4
area 0 authentication message-digest
passive-interface default
no passive-interface GigabitEthernet0/0
no passive-interface GigabitEthernet0/1
no passive-interface GigabitEthernet0/7
network 192.168.6.0 0.0.0.3 area 0
network 192.168.7.0 0.0.0.3 area 0
network 192.168.8.0 0.0.0.3 area 0
network 192.168.50.0 0.0.0.255 area 0
network 192.168.60.0 0.0.0.255 area 0
network 192.168.88.0 0.0.0.255 area 0
network 192.168.99.0 0.0.0.255 area 0
network 192.168.100.0 0.0.0.255 area 0
!
ip forward-protocol nd
!
!
no ip http server
no ip http secure-server
ip route 0.0.0.0 0.0.0.0 192.168.8.1 track 1
ip route 0.0.0.0 0.0.0.0 192.168.7.1 10
```

```
ip route 0.0.0.0 0.0.0.0 192.168.6.1 11
```

```
ip ssh time-out 60
```

```
ip ssh authentication-retries 2
```

```
ip ssh version 2
```

```
!
```

```
ip access-list standard MGMT_ALLOW
```

```
permit 192.168.99.0 0.0.0.255
```

```
permit 192.168.88.0 0.0.0.255
```

```
deny any
```

```
!
```

```
ip sla 1
```

```
icmp-echo 192.168.7.1 source-interface GigabitEthernet0/0
```

```
threshold 500
```

```
frequency 5
```

```
ip sla schedule 1 life forever start-time now
```

```
logging trap warnings
```

```
ipv6 ioam timestamp
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
control-plane
```

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

access-class MGMT_ALLOW in

transport input ssh

!

no scheduler allocate

!

End

VIOS-32

Building configuration...

Current configuration : 5417 bytes

!

version 15.9

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname MS4

!

boot-start-marker

boot-end-marker

!

!

logging buffered 50000 warnings

enable secret 9

\$9\$MXdvATq0mQt.AP\$9tEgVqWYZiLNAhbRGU7Coc7QdMTVfYrI5Ev9Xv1C
/Uo

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

!

!

!

no ip domain lookup

ip domain name corp.local

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

username admin privilege 15 secret 9

\$9\$PRbKAvOmsTHj59\$0LY0s6ceoTvIdf4YgfSZCfPuUYrZCJUSZ9m/kjwRrxk

!

redundancy

!

!

track 1 ip sla 1 reachability

!

ip tcp synwait-time 5

interface GigabitEthernet0/0

ip address 192.168.13.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex auto

speed auto

media-type rj45

!

```
interface GigabitEthernet0/1
ip address 192.168.14.2 255.255.255.252
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 11
duplex auto
speed auto
media-type rj45
```

!

```
interface GigabitEthernet0/2
no ip address
shutdown
duplex auto
speed auto
media-type rj45
```

!

```
interface GigabitEthernet0/3
no ip address
shutdown
duplex auto
```

speed auto

media-type rj45

!

interface GigabitEthernet0/4

ip address 192.168.9.1 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 100

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/5

ip address 192.168.12.1 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 12

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/6

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/7

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

router ospf 50

router-id 1.5.1.5

area 0 authentication message-digest

passive-interface default

no passive-interface GigabitEthernet0/0

```
no passive-interface GigabitEthernet0/1
no passive-interface GigabitEthernet0/4
no passive-interface GigabitEthernet0/5
network 192.168.9.0 0.0.0.3 area 0
network 192.168.12.0 0.0.0.3 area 0
network 192.168.13.0 0.0.0.3 area 0
network 192.168.14.0 0.0.0.3 area 0
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
ip route 0.0.0.0 0.0.0.0 192.168.13.1 track 1
ip route 0.0.0.0 0.0.0.0 192.168.14.1 10
ip ssh time-out 60
ip ssh authentication-retries 2
ip ssh version 2
!
ip access-list standard MGMT_ALLOW
permit 192.168.33.0 0.0.0.255
deny any
!
ip sla 1
```

icmp-echo 192.168.14.1 source-interface GigabitEthernet0/0

threshold 500

frequency 5

ip sla schedule 1 life forever start-time now

logging trap warnings

ipv6 ioam timestamp

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

access-class MGMT_ALLOW in

transport input ssh

!

no scheduler allocate

!

End

VIOS-33

Building configuration...

Current configuration : 5584 bytes

!

version 15.9

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname MS5

!

boot-start-marker

boot-end-marker

!

!

logging buffered 50000 warnings

enable secret 9

\$9\$BsxNP9fGsN3SE9\$ykLP9TpRoR10oPKpb2KscW6E.ALtqzJrM3gLxvRBsw

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

!

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

!

!

!

no ip domain lookup

ip domain name corp.local

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

username admin privilege 15 secret 9

\$9\$cZ1c0kLDZU99Mf\$CJYoNLW.RVhneuFHcxqUlxCi.Y0RgMddXsIVhGV96x

A

!

redundancy

!

!

```
track 1 ip sla 1 reachability
ip tcp synwait-time 5
interface GigabitEthernet0/0
ip address 192.168.17.2 255.255.255.252
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 10
duplex auto
speed auto
media-type rj45
!
interface GigabitEthernet0/1
ip address 192.168.16.2 255.255.255.252
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 11
duplex auto
```

speed auto

media-type rj45

!

interface GigabitEthernet0/2

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/3

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/4

ip address 192.168.11.1 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

```
ip ospf 50 area 0
```

```
ip ospf cost 100
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

```
!
```

```
interface GigabitEthernet0/5
```

```
ip address 192.168.12.2 255.255.255.252
```

```
ip ospf authentication message-digest
```

```
ip ospf message-digest-key 1 md5 SuperSecureKey
```

```
ip ospf network point-to-point
```

```
ip ospf hello-interval 1
```

```
ip ospf 50 area 0
```

```
ip ospf cost 12
```

```
duplex auto
```

```
speed auto
```

```
media-type rj45
```

```
!
```

```
interface GigabitEthernet0/6
```

```
no ip address
```

```
shutdown
```

```
duplex auto
```

```
speed auto
```

media-type rj45

!

interface GigabitEthernet0/7

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

router ospf 50

router-id 1.6.1.6

area 0 authentication message-digest

passive-interface default

no passive-interface GigabitEthernet0/0

no passive-interface GigabitEthernet0/1

no passive-interface GigabitEthernet0/4

no passive-interface GigabitEthernet0/5

network 192.168.11.0 0.0.0.3 area 0

network 192.168.12.0 0.0.0.3 area 0

network 192.168.16.0 0.0.0.3 area 0

network 192.168.17.0 0.0.0.3 area 0

!

ip forward-protocol nd

!

no ip http server

no ip http secure-server

ip route 0.0.0.0 0.0.0.0 192.168.17.1 track 1

ip route 0.0.0.0 0.0.0.0 192.168.16.1 10

ip route 0.0.0.0 0.0.0.0 192.168.12.1 20

ip ssh time-out 60

ip ssh authentication-retries 2

ip ssh version 2

!

ip access-list standard MGMT_ALLOW

permit 192.168.33.0 0.0.0.255

permit 192.168.70.0 0.0.0.255

permit 192.168.80.0 0.0.0.255

permit 192.168.90.0 0.0.0.255

permit 192.168.69.0 0.0.0.255

deny any

!

ip sla 1

icmp-echo 192.168.16.1 source-interface GigabitEthernet0/0

threshold 500

frequency 5

ip sla schedule 1 life forever start-time now

logging trap warnings

ipv6 ioam timestamp

!

!

!

!

!

control-plane

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

access-class MGMT_ALLOW in

transport input ssh

!

no scheduler allocate

!

End

VIOS-24

Building configuration...

Current configuration : 8175 bytes

!

version 15.9

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname MS01

!

boot-start-marker

boot-end-marker

!

!

logging buffered 50000 warnings

enable secret 9

\$9\$xmm0x0rksOGLt9\$yuO5WNSwE4jE.0qhf9xupNXrf9Y0H/4nsy0CtaKNzrg

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

!

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

!

!

!

no ip domain lookup

ip domain name corp.local

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

username admin privilege 15 secret 9

\$9\$0eZwSdIBdFRiGv\$xWRIH2BSmBsQJQdVQYpcZmWX7ogxWlKeHnBGmz
plj/o

!

Redundancy

track 1 ip sla 1 reachability

!

ip tcp synwait-time 5

!

interface GigabitEthernet0/0

ip address 192.168.21.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/1

ip address 192.168.22.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 11

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/2

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/3

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/4

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/5

ip address 192.168.1.1 255.255.255.252

ip access-group FROM-USERS in

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 150

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/6

ip address 192.168.4.1 255.255.255.252

ip access-group FROM-USERS in

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 140

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/7

ip address 192.168.7.1 255.255.255.252

```
ip access-group FROM-USERS in
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 130
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/8
ip address 192.168.19.1 255.255.255.252
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 120
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/9
ip address 192.168.13.1 255.255.255.252
ip access-group FROM-USERS in
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 100
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/10
ip address 192.168.16.1 255.255.255.252
ip access-group FROM-USERS in
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 110
duplex auto
```

speed auto

media-type rj45

!

interface GigabitEthernet0/11

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/12

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/13

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/14

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/15

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

router ospf 50

router-id 2.3.2.3

area 0 authentication message-digest

passive-interface default

no passive-interface GigabitEthernet0/0

no passive-interface GigabitEthernet0/1

no passive-interface GigabitEthernet0/5

no passive-interface GigabitEthernet0/6

```
no passive-interface GigabitEthernet0/7
no passive-interface GigabitEthernet0/8
no passive-interface GigabitEthernet0/9
no passive-interface GigabitEthernet0/10
network 192.168.1.0 0.0.0.3 area 0
network 192.168.4.0 0.0.0.3 area 0
network 192.168.7.0 0.0.0.3 area 0
network 192.168.13.0 0.0.0.3 area 0
network 192.168.16.0 0.0.0.3 area 0
network 192.168.19.0 0.0.0.3 area 0
network 192.168.21.0 0.0.0.3 area 0
network 192.168.22.0 0.0.0.3 area 0
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
ip route 0.0.0.0 0.0.0.0 192.168.21.1 track 1
ip route 0.0.0.0 0.0.0.0 192.168.22.1 10
ip ssh time-out 60
ip ssh authentication-retries 2
ip ssh version 2
!
```

ip access-list extended FROM-USERS

permit ip host 192.168.70.50 host 192.168.100.17

permit tcp 192.168.10.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.20.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.30.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.40.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.50.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.60.0 0.0.0.255 host 192.168.100.17 eq www

deny icmp 192.168.20.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.10.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.30.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.40.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.50.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.60.0 0.0.0.255 host 192.168.100.17

permit ip any any

!

ip sla 1

icmp-echo 192.168.22.1 source-interface GigabitEthernet0/0

threshold 500

frequency 5

ip sla schedule 1 life forever start-time now

logging trap warnings

ipv6 ioam timestamp

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

transport input ssh

!

no scheduler allocate

!

End

VIOS-25

Building configuration...

Current configuration : 8210 bytes

!

version 15.9

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname MS02

!

boot-start-marker

boot-end-marker

!

!

logging buffered 50000 warnings

enable secret 9

\$9\$rT985gifHOoWhv\$3s4eKQCZrehC45gyZDD93QRwwuEZM.t/vngCJhkBV3
k

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

!

!

!

no ip domain lookup

ip domain name corp.local

ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

username admin privilege 15 secret 9

\$9\$6e0fMjbO.hHxhv\$cnQUSFVnSs9qOboVGMZwx3FAa0jONQfDsr85WpCEa
0Y

!

redundancy

!

track 1 ip sla 1 reachability

!

ip tcp synwait-time 5

!

interface GigabitEthernet0/0

ip address 192.168.24.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex auto

speed auto

media-type rj45

!

```
interface GigabitEthernet0/1
ip address 192.168.23.2 255.255.255.252
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 11
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/2
no ip address
shutdown
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/3
no ip address
shutdown
duplex auto
```


speed auto

media-type rj45

!

interface GigabitEthernet0/4

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/5

ip address 192.168.5.1 255.255.255.252

ip access-group FROM-USERS in

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 16

duplex auto

speed auto

media-type rj45

!

```
interface GigabitEthernet0/6
ip address 192.168.8.1 255.255.255.252
ip access-group FROM-USERS in
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 17
duplex auto
speed auto
media-type rj45
!
```

```
interface GigabitEthernet0/7
ip address 192.168.2.1 255.255.255.252
ip access-group FROM-USERS in
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 15
duplex auto
```

speed auto

media-type rj45

!

interface GigabitEthernet0/8

ip address 192.168.19.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 14

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/9

ip address 192.168.14.1 255.255.255.252

ip access-group FROM-USERS in

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 12

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/10

ip address 192.168.17.1 255.255.255.252

ip access-group FROM-USERS in

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 13

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/11

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/12

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/13

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

interface GigabitEthernet0/14

no ip address

shutdown

duplex auto

speed auto

media-type rj45

!

```
interface GigabitEthernet0/15
  no ip address
  shutdown
  duplex auto
  speed auto
  media-type rj45
!
router ospf 50
router-id 2.2.2.2
area 0 authentication message-digest
passive-interface default
no passive-interface GigabitEthernet0/0
no passive-interface GigabitEthernet0/1
no passive-interface GigabitEthernet0/5
no passive-interface GigabitEthernet0/6
no passive-interface GigabitEthernet0/7
no passive-interface GigabitEthernet0/8
no passive-interface GigabitEthernet0/9
no passive-interface GigabitEthernet0/10
network 192.168.2.0 0.0.0.3 area 0
network 192.168.5.0 0.0.0.3 area 0
network 192.168.8.0 0.0.0.3 area 0
network 192.168.14.0 0.0.0.3 area 0
```

network 192.168.17.0 0.0.0.3 area 0

network 192.168.19.0 0.0.0.3 area 0

network 192.168.23.0 0.0.0.3 area 0

network 192.168.24.0 0.0.0.3 area 0

!

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

ip route 0.0.0.0 0.0.0.0 192.168.24.1 track 1

ip route 0.0.0.0 0.0.0.0 192.168.23.1 10

ip route 0.0.0.0 0.0.0.0 192.168.19.1 15

ip ssh time-out 60

ip ssh authentication-retries 2

ip ssh version 2

!

ip access-list extended FROM-USERS

permit ip host 192.168.70.50 host 192.168.100.17

permit tcp 192.168.10.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.20.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.30.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.40.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.50.0 0.0.0.255 host 192.168.100.17 eq www

permit tcp 192.168.60.0 0.0.0.255 host 192.168.100.17 eq www

deny icmp 192.168.20.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.10.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.30.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.40.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.50.0 0.0.0.255 host 192.168.100.17

deny icmp 192.168.60.0 0.0.0.255 host 192.168.100.17

permit ip any any

!

ip sla 1

icmp-echo 192.168.23.1 source-interface GigabitEthernet0/0

threshold 500

frequency 5

ip sla schedule 1 life forever start-time now

logging trap warnings

ipv6 ioam timestamp

!

!

!

!

!

control-plane

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

transport input ssh

!

no scheduler allocate

!

End

ROUTER-7206-IT Service

Building configuration...

Current configuration : 4519 bytes

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

!

hostname AdminRouter

!

boot-start-marker

boot-end-marker

!

!

logging buffered 50000 warnings

enable secret 5 \$1\$nCsa\$QDhijH2G51pqsjtTXx/q1/

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

no ip icmp rate-limit unreachable

!

ip dhcp excluded-address 192.168.1.1

ip dhcp excluded-address 192.168.2.1
ip dhcp excluded-address 192.168.3.1
ip dhcp excluded-address 192.168.4.1
ip dhcp excluded-address 192.168.5.1
ip dhcp excluded-address 192.168.6.1
ip dhcp excluded-address 192.168.7.1
ip dhcp excluded-address 192.168.8.1
ip dhcp excluded-address 192.168.9.1
ip dhcp excluded-address 192.168.11.1
ip dhcp excluded-address 192.168.13.1
ip dhcp excluded-address 192.168.14.1
ip dhcp excluded-address 192.168.16.1
ip dhcp excluded-address 192.168.17.1
ip dhcp excluded-address 192.168.19.1
ip dhcp excluded-address 192.168.21.1
ip dhcp excluded-address 192.168.23.1
ip dhcp excluded-address 192.168.24.1
ip dhcp excluded-address 192.168.26.1
ip dhcp excluded-address 192.168.27.1
ip dhcp excluded-address 192.168.98.1
ip dhcp excluded-address 192.168.44.1
ip dhcp excluded-address 192.168.55.1
ip dhcp excluded-address 192.168.66.1

ip dhcp excluded-address 192.168.77.1

ip dhcp excluded-address 192.168.88.1

ip dhcp excluded-address 192.168.99.1

ip dhcp excluded-address 192.168.33.1

ip dhcp excluded-address 192.168.100.1

ip dhcp excluded-address 192.168.22.1

!

no ip domain lookup

ip domain name corp.local

ip cef

no ipv6 cef

!

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

username admin privilege 15 secret 5 \$1\$99nu\$recXBgkpSbSHUPIPVqjEg1

!

!

!

!

!

ip tcp synwait-time 5

ip ssh time-out 60

ip ssh authentication-retries 2

ip ssh version 2

!

track 1 ip sla 1 reachability

!

interface FastEthernet0/0

ip address 192.168.9.2 255.255.255.252

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex full

!

interface FastEthernet1/0

ip address 192.168.11.2 255.255.255.252

```
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 11
duplex full
```

!

```
interface FastEthernet2/0
```

```
no ip address
```

```
shutdown
```

```
duplex full
```

!

```
interface FastEthernet3/0
```

```
no ip address
```

```
shutdown
```

```
duplex full
```

!

```
interface FastEthernet4/0
```

```
no ip address
```

```
duplex full
```

!

```
interface FastEthernet4/0.33
```

encapsulation dot1Q 33

ip address 192.168.33.1 255.255.255.0

!

interface FastEthernet4/0.69

encapsulation dot1Q 69

ip address 192.168.69.1 255.255.255.0

ip access-group TO-1C out

!

interface FastEthernet4/0.70

encapsulation dot1Q 70

ip address 192.168.70.1 255.255.255.0

!

interface FastEthernet4/0.80

encapsulation dot1Q 80

ip address 192.168.80.1 255.255.255.0

!

interface FastEthernet4/0.90

encapsulation dot1Q 90

ip address 192.168.90.1 255.255.255.0

!

interface FastEthernet4/0.100

encapsulation dot1Q 100

ip address 192.168.100.1 255.255.255.0

!

interface FastEthernet5/0

no ip address

shutdown

duplex full

!

interface FastEthernet6/0

no ip address

shutdown

duplex full

!

router ospf 50

router-id 2.1.2.1

area 0 authentication message-digest

passive-interface default

no passive-interface FastEthernet0/0

no passive-interface FastEthernet1/0

network 192.168.9.0 0.0.0.3 area 0

network 192.168.11.0 0.0.0.3 area 0

network 192.168.33.0 0.0.0.255 area 0

network 192.168.69.0 0.0.0.255 area 0

network 192.168.70.0 0.0.0.255 area 0

network 192.168.80.0 0.0.0.255 area 0


```
network 192.168.90.0 0.0.0.255 area 0
network 192.168.100.0 0.0.0.255 area 0
!
ip forward-protocol nd
!
!
no ip http server
no ip http secure-server
ip route 0.0.0.0 0.0.0.0 192.168.9.1 track 1
ip route 0.0.0.0 0.0.0.0 192.168.11.1 10
!
ip access-list standard MGMT_ALLOW
permit 192.168.33.0 0.0.0.255
deny any
ip access-list standard TO-1C
permit 192.168.60.0 0.0.0.255
permit 192.168.70.0 0.0.0.255
!
ip sla 1
icmp-echo 192.168.11.1 source-interface FastEthernet0/0
threshold 500
frequency 5
ip sla schedule 1 life forever start-time now
```

logging trap warnings

!

!

!

!

control-plane

!

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

access-class MGMT_ALLOW in

transport input ssh

!

!

End

ROUTER-7206 – PERIMETER-FW1

Current configuration : 3242 bytes

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

!

hostname PERIMETER-FW1

!

boot-start-marker

boot-end-marker

!

!

enable secret 5 \$1\$.5nK\$KqTleZ820NBsI.0is7S0g0

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

no ip icmp rate-limit unreachable

!

ip domain lookup recursive

ip domain name corp.local

ip name-server 8.8.8.8

ip name-server 1.1.1.1

ip cef

no ipv6 cef

!

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

username admin privilege 15 secret 5 \$1\$3JGk\$wcDfkACzM3NNKp23Y/V/L0

!

ip tcp synwait-time 5

ip ssh time-out 60

ip ssh authentication-retries 2

ip ssh version 2

!

track 18 ip sla 18 reachability

!

interface FastEthernet0/0

ip address dhcp

ip nat outside

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex full

!

interface FastEthernet1/0

no ip address

shutdown

duplex full

!

interface FastEthernet2/0

no ip address

shutdown

duplex full

!

interface FastEthernet3/0

no ip address

shutdown

duplex full

!

interface FastEthernet4/0

ip address 192.168.21.1 255.255.255.252

ip nat inside

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 100

duplex full

!

interface FastEthernet5/0

ip address 192.168.23.1 255.255.255.252

ip nat inside

```
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 110
duplex full
```

!

```
interface FastEthernet6/0
ip address 192.168.26.1 255.255.255.252
ip nat inside
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 SuperSecureKey
ip ospf network point-to-point
ip ospf hello-interval 1
ip ospf 50 area 0
ip ospf cost 11
duplex full
```

!

```
router ospf 50
router-id 10.10.10.10
area 0 authentication message-digest
passive-interface default
```

no passive-interface FastEthernet0/0

no passive-interface FastEthernet4/0

no passive-interface FastEthernet5/0

no passive-interface FastEthernet6/0

network 192.168.21.0 0.0.0.3 area 0

network 192.168.23.0 0.0.0.3 area 0

network 192.168.26.0 0.0.0.3 area 0

default-information originate

!

ip nat inside source list FOR-NAT interface FastEthernet0/0 overload

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

ip route 0.0.0.0 0.0.0.0 dhcp

!

ip access-list standard FOR-NAT

permit 192.168.10.0 0.0.0.255

permit 192.168.20.0 0.0.0.255

permit 192.168.30.0 0.0.0.255

permit 192.168.40.0 0.0.0.255

permit 192.168.50.0 0.0.0.255


```
permit 192.168.60.0 0.0.0.255
permit 192.168.70.0 0.0.0.255
!
ip sla 18
icmp-echo 8.8.8.8 source-interface FastEthernet0/0
threshold 500
frequency 5
ip sla schedule 18 life forever start-time now
logging trap warnings
!
!
!
!
control-plane
!
!
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
transport input telnet
!
!
End
```

RIUTER-7206 – PERIMETER-FW2

Building configuration...

Current configuration : 3133 bytes

```
!
version 15.2
service timestamps debug datetime msec
service timestamps log datetime msec
!
hostname PERIMETER-FW2
!
boot-start-marker
boot-end-marker
!
!
```

enable secret 5 \$1\$QMFm\$SjhuWyWKHj.vMpQFYsynl1

!

aaa new-model

!

!

aaa authentication login default local

!

!

!

!

!

aaa session-id common

no ip icmp rate-limit unreachable

!

ip domain name corp.local

ip cef

no ipv6 cef

!

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

username admin privilege 15 secret 5 \$1\$okSe\$bMiQ4CncQmpy/2kUo97qM/

!

ip tcp synwait-time 5

ip ssh time-out 60

ip ssh authentication-retries 2

ip ssh version 2

!

track 18 ip sla 18 reachability

!

interface FastEthernet0/0

ip address dhcp

ip nat outside

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

ip ospf 50 area 0

ip ospf cost 10

duplex full

!

interface FastEthernet1/0

no ip address

shutdown

duplex full

!

interface FastEthernet2/0

no ip address

shutdown

duplex full

!

interface FastEthernet3/0

no ip address

shutdown

duplex full

!

interface FastEthernet4/0

ip address 192.168.24.1 255.255.255.252

ip nat inside

ip ospf authentication message-digest

ip ospf message-digest-key 1 md5 SuperSecureKey

ip ospf network point-to-point

ip ospf hello-interval 1

```
ip ospf 50 area 0
```

```
ip ospf cost 100
```

```
duplex full
```

```
!
```

```
interface FastEthernet5/0
```

```
ip address 192.168.22.1 255.255.255.252
```

```
ip nat inside
```

```
ip ospf authentication message-digest
```

```
ip ospf message-digest-key 1 md5 SuperSecureKey
```

```
ip ospf network point-to-point
```

```
ip ospf hello-interval 1
```

```
ip ospf 50 area 0
```

```
ip ospf cost 110
```

```
duplex full
```

```
!
```

```
interface FastEthernet6/0
```

```
ip address 192.168.26.2 255.255.255.252
```

```
ip nat inside
```

```
ip ospf authentication message-digest
```

```
ip ospf message-digest-key 1 md5 SuperSecureKey
```

```
ip ospf network point-to-point
```

```
ip ospf hello-interval 1
```

```
ip ospf 50 area 0
```

duplex full

!

router ospf 50

router-id 11.11.11.11

area 0 authentication message-digest

passive-interface default

no passive-interface FastEthernet0/0

no passive-interface FastEthernet4/0

no passive-interface FastEthernet5/0

no passive-interface FastEthernet6/0

network 192.168.22.0 0.0.0.3 area 0

network 192.168.24.0 0.0.0.3 area 0

network 192.168.26.0 0.0.0.3 area 0

default-information originate

!

ip nat inside source list FOR-NAT interface FastEthernet0/0 overload

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

ip route 0.0.0.0 0.0.0.0 dhcp

!

```
ip access-list standard FOR-NAT
```

```
permit 192.168.10.0 0.0.0.255
```

```
permit 192.168.20.0 0.0.0.255
```

```
permit 192.168.30.0 0.0.0.255
```

```
permit 192.168.40.0 0.0.0.255
```

```
permit 192.168.50.0 0.0.0.255
```

```
permit 192.168.60.0 0.0.0.255
```

```
permit 192.168.70.0 0.0.0.255
```

```
!
```

```
ip sla 18
```

```
icmp-echo 192.168.26.1 source-interface FastEthernet0/0
```

```
threshold 500
```

```
frequency 5
```

```
ip sla schedule 18 life forever start-time now
```

```
logging trap warnings
```

```
!
```

```
!
```

```
!
```

```
!
```

```
control-plane
```

```
!
```

```
!
```

```
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

!

!

End