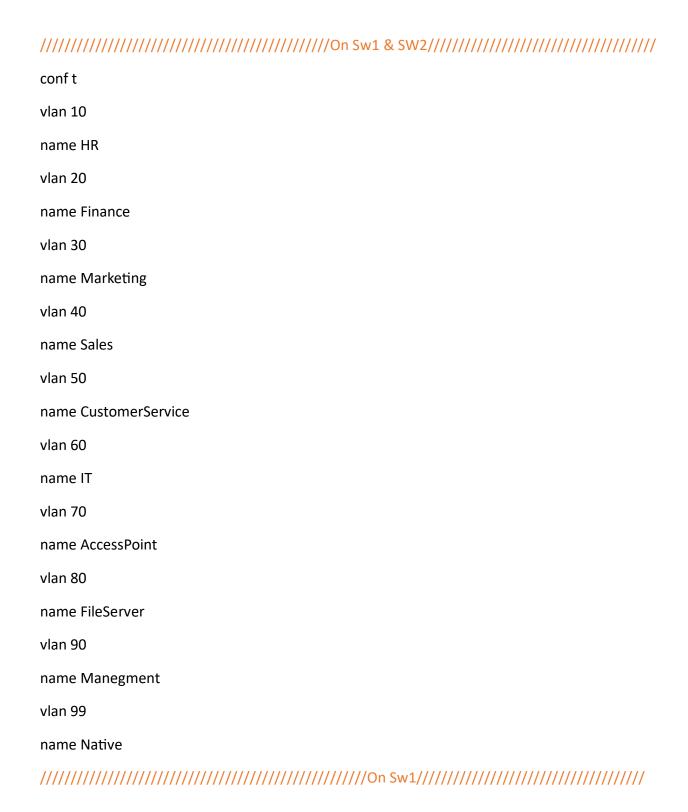
Configurations



interface range fa0/1 - 5
switchport mode access
switchport access vlan 10

interface range fa0/6 - 15 switchport mode access switchport access vlan 20

interface range fa0/16 - 20 switchport mode access switchport access vlan 30

interface range fa0/21 - 22 switchport mode access switchport access vlan 70

interface vlan 90
ip address 192.168.90.2 255.255.255.0
no shutdown
ip default-gateway 192.168.90.1

interface range gi0/1-2, fa0/23-24 switchport mode trunk

switchport mode access switchport access vlan 40

interface range fa0/6 - 15 switchport mode access switchport access vlan 50

interface range fa0/16 - 19 switchport mode access switchport access vlan 60

interface fa0/20 switchport mode access switchport access vlan 80

interface range fa0/21 - 22 switchport mode access switchport access vlan 70

interface vlan 90
ip address 192.168.90.3 255.255.255.0
no shutdown
ip default-gateway 192.168.90.1

interface range gi0/1-2, fa0/23-24

switchport mode trunk

Ip routing

Interface GigabitEthernet0/0

No shutdown

interface GigabitEthernet0/0.99

encapsulation dot1Q 99 native

ip address 192.168.99.1 255.255.255.0

interface GigabitEthernet0/0.10

encapsulation dot1Q 10

ip address 192.168.10.2 255.255.255.0

standby 10 ip 192.168.10.1

standby 10 priority 110

standby 10 preempt

interface GigabitEthernet0/0.20

encapsulation dot1Q 20

ip address 192.168.20.2 255.255.255.0

standby 20 ip 192.168.20.1

standby 20 priority 110 standby 20 preempt

interface GigabitEthernet0/0.30
encapsulation dot1Q 30
ip address 192.168.30.2 255.255.255.0
standby 30 ip 192.168.30.1
standby 30 priority 110
standby 30 preempt

interface GigabitEthernet0/0.40
encapsulation dot1Q 40
ip address 192.168.40.2 255.255.255.0
standby 40 ip 192.168.30.1
standby 40 priority 90
standby 40 preempt

interface GigabitEthernet0/0.50
encapsulation dot1Q 50
ip address 192.168.50.2 255.255.255.0
standby 50 ip 192.168.50.1
standby 50 priority 90

standby 50 preempt

interface GigabitEthernet0/0.60
encapsulation dot1Q 60
ip address 192.168.60.2 255.255.255.0
standby 60 ip 192.168.60.1
standby 60 priority 90
standby 60 preempt

interface GigabitEthernet0/0.70
encapsulation dot1Q 70
ip address 192.168.70.2 255.255.255.0
standby 70 ip 192.168.70.1
standby 70 priority 110
standby 70 preempt

interface GigabitEthernet0/0.80
encapsulation dot1Q 80
ip address 192.168.80.2 255.255.255.0
standby 80 ip 192.168.80.1
standby 80 priority 90
standby 80 preempt

interface GigabitEthernet0/0.90

```
encapsulation dot1Q 90
ip address 192.168.60.2 255.255.255.0
standby 90 ip 192.168.90.1
standby 90 priority 110
standby 90 preempt
interface GigabitEthernet0/1
ip address 10.10.10.1 255.255.255.0
no shutdown
exit
interface GigabitEthernet0/2
ip address 10.10.20.1 255.255.255.0
no shutdown
exit
int range g0/1-2
ip address 10.1.2.2 255.255.255.252
no shutdown
exit
Ip routing
Interface GigabitEthernet0/0
```

No shutdown

interface GigabitEthernet0/0.99
encapsulation dot1Q 99 native
ip address 192.168.99.2 255.255.255.0

interface GigabitEthernet0/0.10
encapsulation dot1Q 10
ip address 192.168.10.3 255.255.255.0
standby 10 ip 192.168.10.1
standby 10 priority 90
standby 10 preempt

interface GigabitEthernet0/0.20
encapsulation dot1Q 20
ip address 192.168.20.3 255.255.255.0
standby 20 ip 192.168.20.1
standby 20 priority 90
standby 20 preempt

interface GigabitEthernet0/0.30
encapsulation dot1Q 30
ip address 192.168.30.3 255.255.255.0
standby 30 ip 192.168.30.1
standby 30 priority 90
standby 30 preempt

interface GigabitEthernet0/0.40
encapsulation dot1Q 40
ip address 192.168.40.3 255.255.255.0
standby 40 ip 192.168.30.1
standby 40 priority 110
standby 40 preempt

interface GigabitEthernet0/0.50
encapsulation dot1Q 50
ip address 192.168.50.3 255.255.255.0
standby 30 ip 192.168.50.1
standby 50 priority 110
standby 50 preempt

interface GigabitEthernet0/0.60
encapsulation dot1Q 60
ip address 192.168.60.3 255.255.255.0
standby 60 ip 192.168.60.1
standby 60 priority 110
standby 60 preempt

interface GigabitEthernet0/0.70

encapsulation dot1Q 70

ip address 192.168.70.3 255.255.255.0

standby 70 ip 192.168.70.1

standby 70 priority 90

standby 70 preempt

interface GigabitEthernet0/0.80

encapsulation dot1Q 80

ip address 192.168.80.3 255.255.255.0

standby 80 ip 192.168.80.1

standby 80 priority 110

standby 80 preempt

interface GigabitEthernet0/0.90

encapsulation dot1Q 90

ip address 192.168.60.3 255.255.255.0

standby 90 ip 192.168.90.1

standby 90 priority 90

standby 90 preempt

interface GigabitEthernet0/1

ip address 10.10.30.1 255.255.255.0

no shutdown

interface GigabitEthernet0/2
ip address 10.10.20.2 255.255.255.0
no shutdown
exit

int range g0/1-2

ip address 10.1.1.2 255.255.255.252

no shutdown

exit

Interface range fa0/23-24

Channel group 1 mode active

Exit

Interface port-channel 1

Switchport mode trunk

Switchport trunk allowed vlan 10,20,30,40,50,60,70,80,90,99

Interface range fa0/23-24

Channel group 1 mode on

Exit

Interface port-channel 1

Switchport	mode	trun	k
------------	------	------	---

Switchport trunk allowed vlan 10,20,30,40,50,60,70,80,90,99

Conf t

Hostname TipoFirewall

Domain-name groupone.com

Enable password group\$1

Clock set 02:42:00 8 feb 2025

Int g1/1

Nameif inside1

Security-level 100

Ip address 10.1.2.1 255.255.255.252

No sh

Int g1/2

Nameif inside

Security-level 100

Ip address 10.1.1.1 255.255.255.252

No sh

```
Int g1/3
```

Nameif dmz

Security-level 50

Ip address 192.168.100.1 255.255.255.0

No sh

Int g1/4

Nameif outside

Security-level 0

Ip address 209.165.200.226 255.255.255.248

No sh

Access-list outsideto-dmz permit icmp any host 192.168.100.3

Access-list outsideto-dmz permit tcp any host 192.168.100.3 eq 80

Access-list outsideto-dmz permit icmp any host 192.168.100.2

Access-list outsideto-dmz permit tcp any host 192.168.100.2 eq 20

Access-list outsideto-dmz permit tcp any host 192.168.100.2 eq 21

access-list outsideto-dmz extended permit icmp any any echo-reply

access-group outside-icmp in interface dmz access-group outside-icmp in interface outside

Route Outside 0.0.0.0 0.0.0.0 209.165.200.225

router ospf 1

router-id 3.3.3.3

network 10.1.2.0 255.255.255.252 area 0

network 10.1.1.0 255.255.255.252 area 0

network 192.168.100.0 255.255.255.0 area 0

object network inside-nat

subnet 192.168.0.0 255.255.0.0

nat (inside, outside) dynamic interface

object network insideone-nat

subnet 192.168.0.0 255.255.0.0

nat (insideone, outside) dynamic interface

Object network WEB-SERVER

Host 192.168.100.3

Nat (DMZ,OUTSIDE) static 209.165.200.227

Exit

Object network FTP-SERVER

```
Host 192.168.100.2
```

Nat (DMZ,OUTSIDE) static 209.165.200.228

Exit

R1

Int g0/1

Ip address 10.1.2.2 255.255.255.252

No sh

R2

Int g0/1

Ip address 10.1.1.2 255.255.255.252

No sh

ip dhcp excluded-address 192.168.10.1 192.168.10.3 ip dhcp excluded-address 192.168.20.1 192.168.20.3 ip dhcp excluded-address 192.168.30.1 192.168.30.3 ip dhcp excluded-address 192.168.40.1 192.168.40.3 ip dhcp excluded-address 192.168.50.1 192.168.50.3 ip dhcp excluded-address 192.168.60.1 192.168.60.3 ip dhcp excluded-address 192.168.70.1 192.168.70.3

ip dhcp pool HR
network 192.168.10.0 255.255.255.0
default-router 192.168.10.1
exit

ip dhcp pool FINANCE
network 192.168.20.0 255.255.255.0
default-router 192.168.20.1
exit

ip dhcp pool MARKETING
network 192.168.30.0 255.255.255.0
default-router 192.168.30.1
exit

ip dhcp pool SALES
network 192.168.40.0 255.255.255.0
default-router 192.168.40.1
exit

ip dhcp pool CUSTOMERSERVICE
network 192.168.50.0 255.255.255.0
default-router 192.168.50.1
exit

```
ip dhcp pool IT

network 192.168.60.0 255.255.255.0

default-router 192.168.60.1

exit
```

ip dhcp pool ACCESSPOINT
network 192.168.70.0 255.255.255.0
default-router 192.168.70.1
exit

Conf t

router ospf 1

Router-id 1.1.1.1

passive-interface GigabitEthernet0/0

network 192.168.10.0 0.0.0.255 area 0

network 192.168.20.0 0.0.0.255 area 0

network 192.168.30.0 0.0.0.255 area 0

network 192.168.40.0 0.0.0.255 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 192.168.70.0 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 192.168.99.0 0.0.0.255 area 0
! Advertise connection to ASA Firewall
network 10.1.2.0 0.0.0.3 area 0
exit
```

ip route 0.0.0.0 0.0.0.0 10.1.2.1

Conf t

exit

router ospf 1

Router-id 2.2.2.2

passive-interface GigabitEthernet0/0

network 192.168.10.0 0.0.0.255 area 0 network 192.168.20.0 0.0.0.255 area 0 network 192.168.30.0 0.0.0.255 area 0 network 192.168.40.0 0.0.0.255 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 192.168.70.0 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 192.168.90.0 0.0.0.255 area 0 letwork 192.168.90.0 0.0.0.255 area 0 network 192.168.90.0 0.0.0.255 area 0 network 192.168.90.0 0.0.0.255 area 0 letwork 192.168.90.0 0.0.0.0.255 area 0 letwork 192.168.90.0 0.0.0.255 area 0 letwork 192.168.90.0 0.0.0.0.255 area 0 letwork 192.168.90.0 0.0.0.0.255 area 0 letwork 192.168.90.0 0.0.0.0.255 area 0 letwork 192.168.90.0 0.0.0.0.0 area 0 letwork 192.00 area 0 letwork 19

Conf t

Router ospf 1

Router-id 3.3.3.3

network 10.1.2.0 255.255.255.252 area 0

network 10.1.1.0 255.255.255.252 area 0

network 192.168.100.0 255.255.255.0 area 0

interface range fa0/1 - 20, fa0/22, gig0/2

switchport port-security

switchport port-security maximum 2

switchport port-security violation restrict

switchport port-security mac-address sticky

switchport port-security aging time 60

int range fa0/23-24, fa0/22, gig0/2

switchport nonegotiate

ip dhcp snooping

no ip dhcp snooping information option

ip dhcp snooping vlan 10,20,30,40,50,60,70 interface range fa0/23-24 , gig0/1 ip dhcp snooping trust exit

interface range fa0/1 - 20, fa0/22Ip dhcp snooping limit rate 5

interface fa0/21

Ip dhcp snooping limit rate 15

exit

Ip arp inspection validate src-mac dst-mac ip ip arp inspection vlan 10,20,30,40,50,60,70

interface range fa0/23-24, gi0/1 ip arp inspection trust

show ip arp inspection interfaces

Spanning-tree portfast default

Spanning tree portfast bpduguard default