**MAPÚA UNIVERSITY**

**SCHOOL OF ELECTRICAL, ELECTRONICS AND**

**COMPUTER ENGINEERING**

**658 Muralla St., Intramuros, Manila, 1002 Metro Manila**

ECEA113-2L – NETWORK DESIGN

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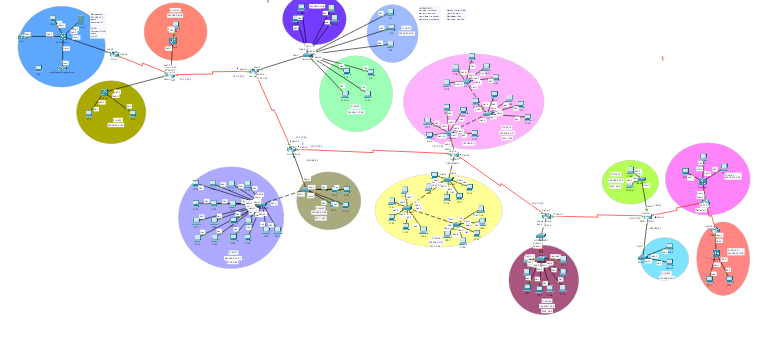
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1. Topology



1. Addressing Table

For PC:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PC | INTERFACE | IP ADDRESS | SUBNET MASK | DEFAULT GATEWAY |
| 1 | FA0 | DHCP | DHCP | DHCP |
| 2 | FA0 | DHCP | DHCP | DHCP |
| 3 | FA0 | DHCP | DHCP | DHCP |
| 4 | FA0 | DHCP | DHCP | DHCP |
| 5 | FA0 | DHCP | DHCP | DHCP |
| 6 | FA0 | DHCP | DHCP | DHCP |
| 7 | FA0 | DHCP | DHCP | DHCP |
| 8 | FA0 | DHCP | DHCP | DHCP |
| 9 | FA0 | DHCP | DHCP | DHCP |
| 10 | FA0 | DHCP | DHCP | DHCP |
| 11 | FA0 | DHCP | DHCP | DHCP |
| 12 | FA0 | DHCP | DHCP | DHCP |
| 13 | FA0 | DHCP | DHCP | DHCP |
| 14 | FA0 | DHCP | DHCP | DHCP |
| 15 | FA0 | DHCP | DHCP | DHCP |
| 16 | FA0 | DHCP | DHCP | DHCP |
| 17 | FA0 | DHCP | DHCP | DHCP |
| 18 | FA0 | DHCP | DHCP | DHCP |
| 19 | FA0 | DHCP | DHCP | DHCP |
| 20 | FA0 | DHCP | DHCP | DHCP |
| 21 | FA0 | DHCP | DHCP | DHCP |
| 22 | FA0 | DHCP | DHCP | DHCP |
| 23 | FA0 | DHCP | DHCP | DHCP |
| 24 | FA0 | DHCP | DHCP | DHCP |
| 25 | FA0 | DHCP | DHCP | DHCP |
| 26 | FA0 | DHCP | DHCP | DHCP |
| 27 | FA0 | DHCP | DHCP | DHCP |
| 28 | FA0 | DHCP | DHCP | DHCP |
| 29 | FA0 | DHCP | DHCP | DHCP |
| 30 | FA0 | DHCP | DHCP | DHCP |
| 31 | FA0 | DHCP | DHCP | DHCP |
| 32 | FA0 | DHCP | DHCP | DHCP |
| 33 | FA0 | DHCP | DHCP | DHCP |
| 34 | FA0 | DHCP | DHCP | DHCP |
| 35 | FA0 | DHCP | DHCP | DHCP |
| 36 | FA0 | DHCP | DHCP | DHCP |
| 37 | FA0 | DHCP | DHCP | DHCP |
| 38 | FA0 | DHCP | DHCP | DHCP |
| 39 | FA0 | DHCP | DHCP | DHCP |
| 40 | FA0 | DHCP | DHCP | DHCP |
| 41 | FA0 | DHCP | DHCP | DHCP |
| 42 | FA0 | DHCP | DHCP | DHCP |
| 43 | FA0 | DHCP | DHCP | DHCP |
| 44 | FA0 | DHCP | DHCP | DHCP |
| 45 | FA0 | DHCP | DHCP | DHCP |
| 46 | FA0 | DHCP | DHCP | DHCP |
| 47 | FA0 | DHCP | DHCP | DHCP |
| 48 | FA0 | DHCP | DHCP | DHCP |
| 49 | FA0 | DHCP | DHCP | DHCP |
| 50 | FA0 | DHCP | DHCP | DHCP |
| 51 | FA0 | DHCP | DHCP | DHCP |
| 52 | FA0 | DHCP | DHCP | DHCP |
| 53 | FA0 | DHCP | DHCP | DHCP |
| 54 | FA0 | DHCP | DHCP | DHCP |
| 55 | FA0 | DHCP | DHCP | DHCP |
| 56 | FA0 | DHCP | DHCP | DHCP |
| 57 | FA0 | DHCP | DHCP | DHCP |
| 58 | FA0 | DHCP | DHCP | DHCP |
| 59 | FA0 | DHCP | DHCP | DHCP |
| 60 | FA0 | DHCP | DHCP | DHCP |
| 61 | FA0 | DHCP | DHCP | DHCP |
| 62 | FA0 | DHCP | DHCP | DHCP |
| 63 | FA0 | DHCP | DHCP | DHCP |
| 64 | FA0 | DHCP | DHCP | DHCP |
| 65 | FA0 | DHCP | DHCP | DHCP |
| 66 | FA0 | DHCP | DHCP | DHCP |
| 67 | FA0 | DHCP | DHCP | DHCP |
| 68 | FA0 | DHCP | DHCP | DHCP |
| 69 | FA0 | DHCP | DHCP | DHCP |
| 70 | FA0 | DHCP | DHCP | DHCP |
| 71 | FA0 | DHCP | DHCP | DHCP |
| 72 | FA0 | DHCP | DHCP | DHCP |
| 73 | FA0 | DHCP | DHCP | DHCP |
| 74 | FA0 | DHCP | DHCP | DHCP |
| 75 | FA0 | DHCP | DHCP | DHCP |
| 76 | FA0 | DHCP | DHCP | DHCP |
| 77 | FA0 | DHCP | DHCP | DHCP |
| 78 | FA0 | DHCP | DHCP | DHCP |
| 79 | FA0 | DHCP | DHCP | DHCP |
| 80 | FA0 | DHCP | DHCP | DHCP |
| 81 | FA0 | DHCP | DHCP | DHCP |
| PASSIS | FA0 | DHCP | DHCP | DHCP |
| PRES | FA0 | DHCP | DHCP | DHCP |
| VASSIS | FA0 | 192.168.8.4 | 255.255.255.248 | 192.168.8.1 |
| VPRES | FA0 | 192.168.8.3 | 255.255.255.248 | 192.168.8.1 |

For Layer 2 Switches:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SWITCH ( LAYER 2) | INTERFACE | IP ADDRESS | SUBNET MASK | DEFAULT GATEWAY |
| TechSwitch | VLAN 40 | 192.168.3.2 | 255.255.255.248 | 192.168.3.1 |
|  | VLAN 50 | 192.168.3.10 | 2555255.255.248 | 192.168.3.9 |
|  | VLAN 60 | 192.168.3.18 | 255.255.255.248 | 192.168.3.17 |
| FLOOR 2 SW 2 | VLAN 70 | 192.168.4.34 | 255.255.255.224 | 192.168.4.33 |
| FLOOR 2 SW 1 | VLAN 80 | 192.168.4.2 | 255.255.255.248 | 192.168.4.1 |
| FLOOR 3 SW 1 | VLAN 90 | 192.168.5.2 | 255.255.255.224 | 192.168.5.1 |
| FLOOR 3 SW 2 | VLAN 90 | 192.168.5.8 | 255.255.255.224 | 192.168.5.1 |
| FLOOR 3 SW 3 | VLAN 90 | 192.168.5.14 | 255.255.255.224 | 192.168.5.1 |
| FLOOR 3 SW 4 | VLAN100 | 192.168.6.2 | 255.255.255.224 | 192.168.6.1 |
| FLOOR 3 SW 5 | VLAN100 | 192.168.6.8 | 255.255.255.224 | 192.168.6.1 |
| FLOOR 3 SW 6 | VLAN100 | 192.168.6.14 | 255.255.255.224 | 192.168.6.1 |
| FLOOR 4 SW 1 | VLAN 110 | 192.168.7.2 | 255.255.255.240 | 192.168.7.1 |
| FLOOR 4 SW 2 | VLAN120 | 192.168.7.18 | 255.255.255.240 | 192.168.7.1 |
| VPRES SW | VLAN 130 | 192.168.8.2 | 255.255.255.248 | 192.168.8.1 |
| PRES SW | VLAN 140 | 192.168.9.2 | 255.255.255.248 | 192.168.9.1 |

For Layer 3 Switches:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SWITCH ( LAYER 3) | INTERFACE | IP ADDRESS | SUBNET MASK | DEFAULT GATEWAY |
| IT Switch 1 | VLAN 20 | 192.168.2.2 | 255.255.255.248 | 192.168.2.1 |
| IT Switch 2 | VLAN 30 | 192.168.2.10 | 255.255.255.248 | 192.168.2.9 |
| PubRel | VLAN 160 | 192.168.11.2 | 255.255.255.248 | 192.168.11.1 |
| Treasury | VLAN 150 | 192.168.10.2 | 255.255.255.248 | 192.168.10.1 |
| WLAN Switch | VLAN 1 | 192.168.13.4 | 255.255.255.0 |  |

Background/ Scenario

1. DHCPv4 - DHCPv4 Is a protocol that automatically assigns IPv4 addresses to the PC’s that relates to the same VLAN and network. DHCPv4 was applied on all routers and Layer 3 Switches.

2. DHCPv6 - DHCPv6 is a protocol that automatically assigns IPv6 address to the PC’s. Stateless IPv6 were used where it does not need a DHCPv6 server to automatically configure the DHCPv6. DHCPv6 was applied on all routers.

3. EtherChannel - EtherChannel provides fault-tolerant high-speed links, the modes used are Desirable and Auto. This method is used in VLAN10 and in FLOOR 4.

4. VLSM - This uses the concept of subnetting but using more than one mask int the same network. This is mostly applied in all the Routers and Switches.

5. VLAN - VLAN partitions a single network to multiple networks using Virtual LAN. This increases security and scalability.

6. INTERVLAN -This allows different VLAN’s to communicate with each other. In this topology, we used the Layer 3 switch and the router on the stick method.

7. Basic Security - This applies the banner motd, enable secret, line con 0 password, and service password encryption.

8. Enhanced Security - This applies the interVLAN, SSH, setting the security password limit to 10, crypto key generate rsa, login-block, vty lines to 0-4 and exec-timeout to 6.

9. WLAN – A Wireless LAN(WLAN) is a type of wireless network that is commonly used in homes, campus, and offices.

10. Port Security – Port security helps secure the network by preventing unknown device to forward packets.

11. DHCP Snooping – acts as a firewall between untrusted host and trusted server.

12. Portfast – it causes the switch or the trunk port to enter the spanning tree forwarding.

13. Static Routing – It is implemented on network as a form of routing that occurs when a router uses a manually configured routing entry.

14. Dynamin Routing – It is also called adaptive routing as it adapts based on the current condition of the topology.

15. OSPFv2 – It determines the best path regarding low cost of bandwidth which will be the best path for the topology.

16. Extended ACL – is used for filter traffic. It implements a rule whether it is permitted or denied and uses where the destination and source will be.

WLAN Router

hostname WLAN

enable secret

no ip cef

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO1941/K9 sn FTX1524KVR3-

spanning-tree mode pvst

interface GigabitEthernet0/0

ip address 192.168.13.1 255.255.255.0

ip access-group 102 in

duplex auto

speed auto

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

shutdown

interface Serial0/1/0

ip address 10.0.0.1 255.255.255.252

interface Serial0/1/1

no ip address

clock rate 2000000

shutdown

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 10.10.10.10

log-adjacency-changes

network 192.168.13.0 0.0.0.255 area 0

network 10.0.0.0 0.0.0.3 area 0

router rip

ip classless

ip flow-export version 9

access-list 102 permit ip 192.168.13.0 0.0.0.255 192.168.2.0 0.0.0.7

access-list 102 permit ip 192.168.13.0 0.0.0.255 192.168.2.8 0.0.0.7

access-list 102 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CAuthorized User Only!^C

line con 0

password ciscoline

login

line aux 0

line vty 0 4

login

end

IT ROOM Router

hostname ITROOM\_R

login block-for 180 attempts 4 within 120

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.1.1

ip dhcp excluded-address 192.168.2.1

ip dhcp excluded-address 192.168.2.2

ip dhcp pool IT\_ROOM

network 192.168.1.0 255.255.255.0

default-router 192.168.1.1

dns-server 1.1.1.1

ip dhcp pool VLAN10

network 192.168.1.0 255.255.255.248

default-router 192.168.1.1

dns-server 1.1.1.1

no ip cef

ipv6 unicast-routing

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO2911/K9 sn FTX1524UJEP-

ip domain-name mapua.edu

spanning-tree mode pvst

interface GigabitEthernet0/0

no ip address

duplex auto

speed auto

interface GigabitEthernet0/0.10

encapsulation dot1Q 10

ip address 192.168.1.1 255.255.255.248

ip access-group 100 in

ipv6 address 2008::/64

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/0.99

encapsulation dot1Q 99 native

ip address 192.168.99.1 255.255.255.0

ip access-group 100 in

interface GigabitEthernet0/1

ip address 192.168.2.1 255.255.255.248

ip access-group 104 in

duplex auto

speed auto

interface GigabitEthernet0/2

ip address 192.168.2.9 255.255.255.248

ip access-group 104 in

duplex auto

speed auto

interface Serial0/2/0

ip address 10.0.0.2 255.255.255.252

clock rate 2000000

interface Serial0/2/1

ip address 11.0.0.1 255.255.255.252

interface Serial0/3/0

no ip address

clock rate 2000000

interface Serial0/3/1

no ip address

clock rate 2000000

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 1.1.1.1

log-adjacency-changes

network 192.168.2.0 0.0.0.7 area 0

network 192.168.2.8 0.0.0.7 area 0

network 172.168.1.0 0.0.0.31 area 0

network 11.0.0.0 0.0.0.3 area 0

network 10.0.0.0 0.0.0.3 area 0

router rip

ip classless

ip route 0.0.0.0 0.0.0.0 GigabitEthernet0/1

ip flow-export version 9

ip access-list extended sl\_def\_acl

deny tcp any any eq telnet

deny tcp any any eq www

deny tcp any any eq 22

permit tcp any any eq 22

access-list 100 permit ip 192.168.2.0 0.0.0.7 any

access-list 100 permit ip 192.168.2.8 0.0.0.7 any

access-list 100 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

end

TECH ROOM Router

hostname TECH

ip dhcp excluded-address 192.168.3.1 192.168.3.2

ip dhcp excluded-address 192.168.3.9 192.168.3.10

ip dhcp excluded-address 192.168.3.17 192.168.3.18

ip dhcp pool Tech40

network 192.168.3.0 255.255.255.248

default-router 192.168.3.1

ip dhcp pool Tech50

network 192.168.3.8 255.255.255.248

default-router 192.168.3.9

ip dhcp pool Tech60

network 192.168.3.16 255.255.255.248

default-router 192.168.3.17

ip cef

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO1941/K9 sn FTX15248K13-

spanning-tree mode pvst

interface GigabitEthernet0/0

no ip address

ip access-group 110 in

duplex auto

speed auto

interface GigabitEthernet0/0.40

encapsulation dot1Q 40

ip address 192.168.3.1 255.255.255.248

ip access-group 103 in

interface GigabitEthernet0/0.50

encapsulation dot1Q 50

ip address 192.168.3.9 255.255.255.248

ip access-group 103 in

interface GigabitEthernet0/0.60

encapsulation dot1Q 60

ip address 192.168.3.17 255.255.255.248

ip access-group 103 in

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

shutdown

interface Serial0/1/0

ip address 11.0.0.2 255.255.255.252

clock rate 2000000

interface Serial0/1/1

ip address 12.0.0.1 255.255.255.252

interface Vlan1

no ip address

shutdown

interface Vlan30

mac-address 0002.1612.ae01

no ip address

router ospf 10

router-id 2.2.2.2

log-adjacency-changes

network 11.0.0.0 0.0.0.3 area 0

network 12.0.0.0 0.0.0.3 area 0

network 192.168.3.0 0.0.0.7 area 0

network 192.168.3.8 0.0.0.7 area 0

network 192.168.3.16 0.0.0.7 area 0

router rip

ip classless

ip flow-export version 9

access-list 103 permit ip 192.168.3.0 0.0.0.7 192.168.2.0 0.0.0.7

access-list 103 permit ip 192.168.3.0 0.0.0.7 192.168.2.8 0.0.0.7

access-list 103 permit ip 192.168.3.8 0.0.0.7 192.168.2.0 0.0.0.7

access-list 103 permit ip 192.168.3.8 0.0.0.7 192.168.2.8 0.0.0.7

access-list 103 permit ip 192.168.3.16 0.0.0.7 192.168.2.0 0.0.0.7

access-list 103 permit ip 192.168.3.16 0.0.0.7 192.168.2.8 0.0.0.7

access-list 103 permit ip host 0.0.0.0 host 255.255.255.255

line con 0

line aux 0

line vty 0 4

login

end

FLOOR 2 Router

hostname FLOOR2\_R

login block-for 180 attempts 4 within 120

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.4.1

ip dhcp excluded-address 192.168.4.33

ip dhcp excluded-address 192.168.4.2

ip dhcp excluded-address 192.168.4.32

ip dhcp excluded-address 192.168.4.34

ip dhcp pool VLAN70

network 192.168.4.32 255.255.255.224

default-router 192.168.4.33

dns-server 1.1.1.1

ip dhcp pool VLAN80

network 192.168.4.0 255.255.255.248

default-router 192.168.4.1

ip cef

ipv6 unicast-routing

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO2911/K9 sn FTX15245DQ5-

ip domain-name mapua.edu

spanning-tree mode pvst

interface GigabitEthernet0/0

no ip address

ip access-group 105 in

duplex auto

speed auto

interface GigabitEthernet0/0.70

encapsulation dot1Q 70

ip address 192.168.4.33 255.255.255.224

ip access-group 1-4 in

ipv6 address 2000::/64

ipv6 address 2006::/64

ipv6 address autoconfig

ipv6 enable

ipv6 ospf 10 area 0

interface GigabitEthernet0/0.80

encapsulation dot1Q 80

ip address 192.168.4.1 255.255.255.248

ip access-group 1-4 in

ipv6 address 2007::/64

ipv6 address autoconfig

ipv6 enable

ipv6 ospf 10 area 0

interface GigabitEthernet0/0.90

no ip address

ip access-group 1-4 in

interface GigabitEthernet0/0.99

encapsulation dot1Q 99

ip address 192.168.99.1 255.255.255.0

ip access-group 1-4 in

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

shutdown

interface GigabitEthernet0/2

no ip address

duplex auto

speed auto

shutdown

interface Serial0/3/0

ip address 12.0.0.2 255.255.255.252

ipv6 address 1004::1/64

clock rate 2000000

interface Serial0/3/1

ip address 13.0.0.1 255.255.255.252

clock rate 2000000

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 3.3.3.3

log-adjacency-changes

network 192.168.4.0 0.0.0.7 area 0

network 192.168.4.32 0.0.0.31 area 0

network 192.168.99.0 0.0.0.255 area 0

network 12.0.0.0 0.0.0.3 area 0

network 13.0.0.0 0.0.0.3 area 0

router rip

ipv6 router ospf 10

router-id 11.11.11.11

log-adjacency-changes

ip classless

ip flow-export version 9

ip access-list extended sl\_def\_acl

deny tcp any any eq telnet

deny tcp any any eq www

deny tcp any any eq 22

permit tcp any any eq 22

access-list 104 permit ip 192.168.4.0 0.0.0.7 192.168.2.0 0.0.0.7

access-list 104 permit ip 192.168.4.0 0.0.0.7 192.168.2.8 0.0.0.7

access-list 104 permit ip 192.168.4.32 0.0.0.31 192.168.2.0 0.0.0.7

access-list 104 permit ip 192.168.4.32 0.0.0.31 192.168.2.8 0.0.0.7

access-list 104 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

end

FLOOR 3 Router

hostname FLOOR3\_R

login block-for 180 attempts 4 within 120

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.5.1

ip dhcp excluded-address 192.168.6.1

ip dhcp excluded-address 192.168.5.2

ip dhcp excluded-address 192.168.5.8

ip dhcp excluded-address 192.168.5.14

ip dhcp excluded-address 192.168.6.14

ip dhcp excluded-address 192.168.6.8

ip dhcp excluded-address 192.168.6.2

ip dhcp pool VLAN100

network 192.168.6.0 255.255.255.224

default-router 192.168.6.1

dns-server 1.1.1.1

ip dhcp pool VLAN90

network 192.168.5.0 255.255.255.224

default-router 192.168.5.1

dns-server 1.1.1.1

ip cef

ipv6 unicast-routing

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO2911/K9 sn FTX15243D67-

ip domain-name mapua.edu

spanning-tree mode pvst

interface GigabitEthernet0/0

no ip address

duplex auto

speed auto

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/0.90

encapsulation dot1Q 90

ip address 192.168.5.1 255.255.255.224

ip access-group 105 in

ipv6 address 2000::/64

ipv6 address 2000::/64 eui-64

ipv6 address autoconfig

ipv6 enable

ipv6 ospf 10 area 0

interface GigabitEthernet0/0.99

encapsulation dot1Q 99 native

ip address 192.168.99.1 255.255.255.0

ip access-group 105 in

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/1.100

encapsulation dot1Q 100

ip address 192.168.6.1 255.255.255.224

ip access-group 105 in

ipv6 address 2001::/64

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/2

no ip address

duplex auto

speed auto

shutdown

interface Serial0/3/0

ip address 13.0.0.2 255.255.255.252

ipv6 address 1004::2/64

interface Serial0/3/1

ip address 14.0.0.1 255.255.255.252

clock rate 2000000

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 4.4.4.4

log-adjacency-changes

network 13.0.0.0 0.0.0.3 area 0

network 192.168.5.0 0.0.0.31 area 0

network 192.168.6.0 0.0.0.31 area 0

network 14.0.0.0 0.0.0.3 area 0

network 192.168.99.0 0.0.0.255 area 0

router rip

ipv6 router ospf 10

router-id 12.12.12.12

log-adjacency-changes

ip classless

ip flow-export version 9

ip access-list extended sl\_def\_acl

deny tcp any any eq telnet

deny tcp any any eq www

deny tcp any any eq 22

permit tcp any any eq 22

access-list 105 permit ip 192.168.5.0 0.0.0.31 192.168.2.0 0.0.0.7

access-list 105 permit ip 192.168.5.0 0.0.0.31 192.168.2.8 0.0.0.7

access-list 105 permit ip 192.168.6.0 0.0.0.31 192.168.2.0 0.0.0.7

access-list 105 permit ip 192.168.6.0 0.0.0.31 192.168.2.8 0.0.0.7

access-list 105 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

end

FLOOR 4 Router

hostname FLOOR4\_R

login block-for 180 attempts 4 within 120

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.7.17

ip dhcp excluded-address 192.168.7.2

ip dhcp excluded-address 192.168.7.3

ip dhcp excluded-address 192.168.7.18

ip dhcp excluded-address 192.168.7.19

ip dhcp excluded-address 192.168.7.1

ip dhcp pool VLAN120

network 192.168.7.16 255.255.255.240

default-router 192.168.7.17

dns-server 1.1.1.1

ip dhcp pool VLAN110

network 192.168.7.0 255.255.255.240

default-router 192.168.7.1

dns-server 1.1.1.1

ip cef

ipv6 unicast-routing

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO2911/K9 sn FTX1524B1Q8-

ip domain-name mapua.edu

spanning-tree mode pvst

interface GigabitEthernet0/0

no ip address

duplex auto

speed auto

interface GigabitEthernet0/0.99

encapsulation dot1Q 99 native

ip address 192.168.99.1 255.255.255.0

ip access-group 106 in

interface GigabitEthernet0/0.110

encapsulation dot1Q 110

ip address 192.168.7.1 255.255.255.240

ip access-group 106 in

ipv6 address 2000::/64

ipv6 address 2004::/64

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/0.120

encapsulation dot1Q 120

ip address 192.168.7.17 255.255.255.240

ip access-group 106 in

ipv6 address 2005::/64

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

shutdown

interface GigabitEthernet0/2

no ip address

duplex auto

speed auto

shutdown

interface Serial0/3/0

ip address 14.0.0.2 255.255.255.252

interface Serial0/3/1

ip address 15.0.0.1 255.255.255.252

clock rate 2000000

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 5.5.5.5

log-adjacency-changes

network 14.0.0.0 0.0.0.3 area 0

network 15.0.0.0 0.0.0.3 area 0

network 192.168.7.0 0.0.0.15 area 0

network 192.168.99.0 0.0.0.255 area 0

router rip

ip classless

ip flow-export version 9

ip access-list extended sl\_def\_acl

deny tcp any any eq telnet

deny tcp any any eq www

deny tcp any any eq 22

permit tcp any any eq 22

access-list 106 permit ip 192.168.7.0 0.0.0.15 192.168.2.0 0.0.0.7

access-list 106 permit ip 192.168.7.0 0.0.0.15 192.168.2.8 0.0.0.7

access-list 106 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

end

EXECUTIVES Router

hostname EXECUTIVES

login block-for 180 attempts 4 within 120

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.8.1

ip dhcp excluded-address 192.168.9.1

ip dhcp excluded-address 192.168.8.2

ip dhcp excluded-address 192.168.9.2

ip dhcp pool VLAN140

network 192.168.9.0 255.255.255.248

default-router 192.168.9.1

dns-server 1.1.1.1

ip dhcp pool VLAN130

network 192.168.8.0 255.255.255.248

default-router 192.168.8.1

dns-server 1.1.1.1

no ip cef

ipv6 unicast-routing

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO2911/K9 sn FTX15245Q7E-

no ip domain-lookup

ip domain-name mapua.edu.ph

spanning-tree mode pvst

interface GigabitEthernet0/0

no ip address

duplex auto

speed auto

interface GigabitEthernet0/0.99

encapsulation dot1Q 99 native

ip address 192.168.99.1 255.255.255.0

ip access-group 107 in

interface GigabitEthernet0/0.130

encapsulation dot1Q 130

ip address 192.168.8.1 255.255.255.248

ip access-group 107 in

ipv6 address 2000::/64

ipv6 address 2002::/64

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/0.140

no ip address

ip access-group 107 in

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

interface GigabitEthernet0/1.140

encapsulation dot1Q 140

ip address 192.168.9.1 255.255.255.248

ip access-group 107 in

ipv6 address 2003::/64

ipv6 address autoconfig

ipv6 enable

interface GigabitEthernet0/2

ip address 192.168.8.9 255.255.255.248

duplex auto

speed auto

shutdown

interface Serial0/3/0

ip address 15.0.0.2 255.255.255.252

interface Serial0/3/1

ip address 16.0.0.1 255.255.255.252

clock rate 2000000

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 6.6.6.6

log-adjacency-changes

network 192.168.8.0 0.0.0.7 area 0

network 192.168.9.0 0.0.0.7 area 0

network 192.168.99.0 0.0.0.7 area 0

network 15.0.0.0 0.0.0.3 area 0

network 16.0.0.0 0.0.0.3 area 0

router rip

ip classless

ip flow-export version 9

ip access-list extended sl\_def\_acl

deny tcp any any eq telnet

deny tcp any any eq www

deny tcp any any eq 22

permit tcp any any eq 22

access-list 107 permit ip 192.168.8.0 0.0.0.7 192.168.2.0 0.0.0.7

access-list 107 permit ip 192.168.8.0 0.0.0.7 192.168.2.8 0.0.0.7

access-list 107 permit ip 192.168.9.0 0.0.0.7 192.168.2.0 0.0.0.7

access-list 107 permit ip 192.168.9.0 0.0.0.7 192.168.2.8 0.0.0.7

access-list 107 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

end

PUBRELATION Router

hostname PRRouter

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip cef

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO2911/K9 sn FTX1524W2I7-

spanning-tree mode pvst

interface GigabitEthernet0/0

ip address 192.168.11.1 255.255.255.248

ip access-group 108 in

duplex auto

speed auto

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

shutdown

interface GigabitEthernet0/2

no ip address

duplex auto

speed auto

shutdown

interface Serial0/3/0

ip address 16.0.0.2 255.255.255.252

interface Serial0/3/1

ip address 17.0.0.1 255.255.255.252

clock rate 2000000

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 7.7.7.7

log-adjacency-changes

network 192.168.11.0 0.0.0.7 area 0

network 16.0.0.0 0.0.0.3 area 0

network 17.0.0.0 0.0.0.3 area 0

ip classless

ip flow-export version 9

access-list 108 permit ip 192.168.11.0 0.0.0.7 192.168.2.0 0.0.0.7

access-list 108 permit ip 192.168.11.0 0.0.0.7 192.168.2.8 0.0.0.7

access-list 108 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CAuthorized Access Only^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

login

end

TREASURY Router

hostname TreasuryRouter

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.10.1 192.168.10.10

ip cef

no ipv6 cef

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

license udi pid CISCO2911/K9 sn FTX1524DDQ7-

spanning-tree mode pvst

interface GigabitEthernet0/0

ip address 192.168.10.1 255.255.255.248

ip access-group 109 in

duplex auto

speed auto

interface GigabitEthernet0/1

no ip address

duplex auto

speed auto

shutdown

interface GigabitEthernet0/2

no ip address

duplex auto

speed auto

shutdown

interface Serial0/3/0

ip address 17.0.0.2 255.255.255.252

interface Serial0/3/1

no ip address

clock rate 2000000

interface Vlan1

no ip address

shutdown

router ospf 10

router-id 8.8.8.8

log-adjacency-changes

network 192.168.10.0 0.0.0.7 area 0

network 17.0.0.0 0.0.0.3 area 0

router rip

ip classless

ip flow-export version 9

access-list 109 permit ip 192.168.10.0 0.0.0.7 192.168.2.0 0.0.0.7

access-list 109 permit ip 192.168.10.0 0.0.0.7 192.168.2.8 0.0.0.7

access-list 109 permit ip host 0.0.0.0 host 255.255.255.255

banner motd ^CAuthorized Access Only!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

login

end

For Multilayer and Layer 2 Switches:

hostname WLANSwitch

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

interface FastEthernet0/1

interface FastEthernet0/2

interface FastEthernet0/3

interface FastEthernet0/4

interface FastEthernet0/5

interface FastEthernet0/6

interface FastEthernet0/7

interface FastEthernet0/8

interface FastEthernet0/9

interface FastEthernet0/10

interface FastEthernet0/11

interface FastEthernet0/12

interface FastEthernet0/13

interface FastEthernet0/14

interface FastEthernet0/15

interface FastEthernet0/16

interface FastEthernet0/17

interface FastEthernet0/18

interface FastEthernet0/19

interface FastEthernet0/20

interface FastEthernet0/21

interface FastEthernet0/22

interface FastEthernet0/23

interface FastEthernet0/24

interface GigabitEthernet0/1

interface GigabitEthernet0/2

interface Vlan1

ip address 192.168.13.4 255.255.255.0

ip classless

ip flow-export version 9

banner motd ^CAuthorized access only!^C

line con 0

password ciscoline

login

line aux 0

line vty 0 4

login

end

hostname IT\_Switch

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp pool ITRoom

network 192.168.2.0 255.255.255.248

default-router 192.168.2.1

ip routing

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

interface FastEthernet0/1

switchport access vlan 20

interface FastEthernet0/2

switchport access vlan 20

switchport mode access

switchport nonegotiate

interface FastEthernet0/3

switchport access vlan 20

switchport mode access

switchport nonegotiate

interface FastEthernet0/4

interface FastEthernet0/5

interface FastEthernet0/6

interface FastEthernet0/7

interface FastEthernet0/8

interface FastEthernet0/9

interface FastEthernet0/10

interface FastEthernet0/11

interface FastEthernet0/12

interface FastEthernet0/13

interface FastEthernet0/14

interface FastEthernet0/15

interface FastEthernet0/16

interface FastEthernet0/17

interface FastEthernet0/18

interface FastEthernet0/19

interface FastEthernet0/20

interface FastEthernet0/21

interface FastEthernet0/22

interface FastEthernet0/23

interface FastEthernet0/24

interface GigabitEthernet0/1

intrface GigabitEthernet0/2

interface Vlan1

no ip address

shutdown

interface Vlan20

mac-address 0090.0c98.5b01

ip address 192.168.2.2 255.255.255.248

ip classless

ip flow-export version 9

banner motd ^CAuthorized Access Only!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

login

end

hostname ITRoom2

enable secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

enable password 7 08314D5D1A

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

no ip domain-lookup

ip domain-name mapua.edu.ph

spanning-tree mode pvst

interface FastEthernet0/1

switchport access vlan 30

switchport mode access

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 30

switchport mode access

switchport nonegotiate

interface FastEthernet0/3

interface FastEthernet0/4

interface FastEthernet0/5

interface FastEthernet0/6

interface FastEthernet0/7

interface FastEthernet0/8

interface FastEthernet0/9

interface FastEthernet0/10

interface FastEthernet0/11

interface FastEthernet0/12

interface FastEthernet0/13

interface FastEthernet0/14

interface FastEthernet0/15

interface FastEthernet0/16

interface FastEthernet0/17

interface FastEthernet0/18

interface FastEthernet0/19

interface FastEthernet0/20

interface FastEthernet0/21

interface FastEthernet0/22

interface FastEthernet0/23

interface FastEthernet0/24

interface GigabitEthernet0/1

inerface GigabitEthernet0/2

interface Vlan1

no ip address

shutdown

interface Vlan30

mac-address 00d0.bacb.ad01

ip address 192.168.2.10 255.255.255.248

ip classless

ip flow-export version 9

banner motd ^CAuthorized User Only^C

line con 0

line aux 0

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

end

hostname TechSwitch

enable secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

enable password 7 08314D5D1A

no ip domain-lookup

ip domain-name mapua.edu.ph

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

interface FastEthernet0/3

switchport access vlan 40

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/4

switchport access vlan 40

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/5

switchport access vlan 40

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/6

switchport access vlan 40

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/7

switchport access vlan 50

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/8

switchport access vlan 50

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/9

switchport access vlan 50

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/10

switchport access vlan 60

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/11

switchport access vlan 60

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/12

switchport access vlan 60

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/13

switchport access vlan 60

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

spanning-tree portfast

spanning-tree bpduguard enable

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

inrface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

inteface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan30

mac-address 000d.bd2a.3901

no ip address

shutdown

interface Vlan40

mac-address 000d.bd2a.3902

ip address 192.168.3.2 255.255.255.248

interface Vlan50

mac-address 000d.bd2a.3903

ip address 192.168.3.10 255.255.255.248

interface Vlan60

mac-address 000d.bd2a.3904

ip address 192.168.3.18 255.255.255.248

banner motd ^CAuthorized User Only^C

line con 0

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR2\_SW1

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport access vlan 80

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000B.BE3C.C3BA

interface FastEthernet0/2

switchport access vlan 80

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0002.172B.A357

interface FastEthernet0/3

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/4

switchport access vlan 80

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

interface FastEthernet0/5

switchport access vlan 80

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

interface FastEthernet0/6

switchport access vlan 999

shutdown

interface FastEthernet0/7

switchport access vlan 999

shutdown

interface FastEthernet0/8

switchport access vlan 999

shutdow

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan70

mac-address 00e0.f96a.4e01

no ip address

interface Vlan80

mac-address 00e0.f96a.4e02

ip address 192.168.4.2 255.255.255.248

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR2\_SW2

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.63E1.6DC5

interface FastEthernet0/3

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000B.BE3E.D2B1

interface FastEthernet0/4

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.BA79.C192

interface FastEthernet0/5

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0090.2BEE.1B5C

interface FastEthernet0/6

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0006.2AB1.0049

interface FastEthernet0/7

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.4337.B358

interface FastEthernet0/8

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

swichport port-security mac-address sticky 00E0.8F72.55D0

interface FastEthernet0/9

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0060.70DB.1743

interface FastEthernet0/10

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00E0.B035.E469

interface FastEthernet0/11

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00E0.F798.9282

interface FastEthernet0/12

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0006.2A83.D02

interface FastEthernet0/13

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0002.4A1E.30E9

interface FastEthernet0/14

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.97A8.00A6

interface FastEthernet0/15

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.586D.6DCD

interface FastEthernet0/16

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.6369.22D4

interface FastEthernet0/17

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0050.0F59.E740

interface FastEthernet0/18

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0003.E453.9A12

interface FastEthernet0/19

switchport access vlan 70

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0009.7CAD.B08D

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan70

mac-address 000d.bdeb.ae01

ip address 192.168.4.34 255.255.255.224

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR3\_SW6

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000B.BE15.8676

interface FastEthernet0/3

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000B.BE52.4E3A

interface FastEthernet0/4

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0010.11A0.214A

interface FastEthernet0/5

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000C.CFE5.A73C

interface FastEthernet0/6

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000A.41BA.5D36

interface FastEthernet0/7

switchport access vlan 999

ip dhcp snooping limit rate 5

switchport mode access

shutdown

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutdow

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan100

mac-address 0001.645e.8b01

ip address 192.168.6.14 255.255.255.224

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR3\_SW5

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport trunk native vlan 99

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 100

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.9795.7398

interface FastEthernet0/3

switchport trunk native vlan 99

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/4

switchport access vlan 100

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.5840.60CB

interface FastEthernet0/5

switchport access vlan 100

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0060.70A3.2460

interface FastEthernet0/6

switchport access vlan 100

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.C728.A9B1

interface FastEthernet0/7

switchport access vlan 100

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.64C8.ACC4

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutdown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

intrface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan100

mac-address 00e0.f951.6801

ip address 192.168.6.8 255.255.255.224

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR3\_SW4

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00E0.F9D1.D317

interface FastEthernet0/3

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/4

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.6305.48E

interface FastEthernet0/5

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0060.5C47.55D7

interface FastEthernet0/6

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.58AB.D059

interface FastEthernet0/7

switchport access vlan 100

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

swchport port-security mac-address sticky 0010.118B.A060

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutdown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdow

inteface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan100

mac-address 0001.6380.dd01

ip address 192.168.6.2 255.255.255.224

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

\

hostname FLOOR3\_SW1

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport nonegotiate

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000B.BEE1.7525

interface FastEthernet0/3

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/4

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000B.BE68.18C7

interface FastEthernet0/5

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0000.0C82.D906

interface FastEthernet0/6

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0060.5CB1.987

interface FastEthernet0/7

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000D.BD33.2250

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutdown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan90

mac-address 0005.5e60.2401

ip address 192.168.5.2 255.255.255.224

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

line vty 5 15

login

end

hostname FLOOR3\_SW2

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 90

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/3

switchport access vlan 90

switchport trunk native vlan 99

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0002.16CB.B4EA

interface FastEthernet0/4

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.9768.2A30

interface FastEthernet0/5

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0090.2148.4128

inteface FastEthernet0/6

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000C.85E7.AA0A

interface FastEthernet0/7

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0002.4A0B.C6D7

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutdown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdow

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdow

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan90

mac-address 0060.2f9c.3601

ip address 192.168.5.8 255.255.255.224

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR3\_SW3

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/2

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0002.174D.9611

interface FastEthernet0/3

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport port-security mac-address sticky

interface FastEthernet0/4

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.D33D.B240

interface FastEthernet0/5

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00E0.8F25.E237

interface FastEthernet0/6

switchport access vlan 90

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0060.5CCA.0C64

interface FastEthernet0/7

switchport access vlan 999

switchport mode access

switchport port-security

switchport port-security mac-address sticky

shutdown

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdow

interface FastEthernet0/10

switchport access vlan 999

shutdown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdow

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan90

mac-address 00e0.f954.b301

ip address 192.168.5.14 255.255.255.224

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR4\_SW1

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface Port-channel1

switchport trunk native vlan 99

switchport mode trunk

interface Port-channel2

switchport trunk native vlan 99

switchport mode trunk

interface FastEthernet0/1

switchport trunk native vlan 99

switchport mode trunk

interface FastEthernet0/2

switchport trunk native vlan 99

switchport mode trunk

channel-group 1 mode desirable

interface FastEthernet0/3

switchport trunk native vlan 99

switchport mode trunk

channel-group 1 mode desirable

interface FastEthernet0/4

switchport trunk native vlan 99

switchport mode trunk

channel-group 2 mode desirable

interface FastEthernet0/5

switchport trunk native vlan 99

switchport mode trunk

channel-group 2 mode desirable

interface FastEthernet0/6

interface FastEthernet0/7

interface FastEthernet0/8

interface FastEthernet0/9

interface FastEthernet0/10

interface FastEthernet0/11

interface FastEthernet0/12

interface FastEthernet0/13

interface FastEthernet0/14

interface FastEthernet0/15

interface FastEthernet0/16

interface FastEthernet0/17

interface FastEthernet0/18

interface FastEthernet0/19

interface FastEthernet0/20

interface FastEthernet0/21

interface FastEthernet0/22

interface FastEthernet0/23

interface FastEthernet0/24

inrface GigabitEthernet0/1

interface GigabitEthernet0/2

interface Vlan1

no ip address

shutdown

interface Vlan110

mac-address 00e0.f749.1801

ip address 192.168.7.2 255.255.255.240

interface Vlan120

mac-address 00e0.f749.1802

ip address 192.168.7.18 255.255.255.240

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname FLOOR4\_SW2

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface Port-channel1

switchport trunk native vlan 99

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/1

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

channel-group 1 mode auto

interface FastEthernet0/2

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

channel-group 1 mode auto

interface FastEthernet0/3

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport nonegotiate

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000C.85BC.9017

interface FastEthernet0/4

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.43C3.8896

interface FastEthernet0/5

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0004.9ABA.11A1

interface FastEthernet0/6

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0003.E43E.824D

interface FastEthernet0/7

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0005.5EC3.513C

interface FastEthernet0/8

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0007.ECC7.A448

interface FastEthernet0/9

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 000C.CFB5.7993

interface FastEthernet0/10

switchport access vlan 110

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0090.21B5.468C

interface FastEthernet0/11

switchport access vlan 999

shutdown

inrface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan110

mac-address 000c.8526.e201

ip address 192.168.7.3 255.255.255.240

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname PRES

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport access vlan 140

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00E0.B0BD.854

interface FastEthernet0/2

switchport access vlan 140

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.D321.7258

interface FastEthernet0/3

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

interface FastEthernet0/4

switchport access vlan 999

shutdown

interface FastEthernet0/5

switchport access vlan 999

shutdown

interface FastEthernet0/6

switchport access vlan 999

shutdown

interface FastEthernet0/7

switchport access vlan 999

shutdow

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutdown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan140

mac-address 00d0.ba75.e801

ip address 192.168.9.2 255.255.255.248

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname VPRES

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip domain-name mapua.edu

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

spanning-tree extend system-id

interface FastEthernet0/1

switchport access vlan 130

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

witchport port-security mac-address sticky 0002.4A8B.ED77

interface FastEthernet0/2

switchport access vlan 130

ip dhcp snooping limit rate 5

switchport mode access

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.BA7A.1A66

interface FastEthernet0/3

switchport trunk native vlan 99

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiat

interface FastEthernet0/4

switchport access vlan 999

shutdow

interface FastEthernet0/5

switchport access vlan 999

shutdown

interface FastEthernet0/6

switchport access vlan 999

shutdown

intrface FastEthernet0/7

switchport access vlan 999

shutdow

interface FastEthernet0/8

switchport access vlan 999

shutdown

interface FastEthernet0/9

switchport access vlan 999

shutdown

interface FastEthernet0/10

switchport access vlan 999

shutdown

interface FastEthernet0/11

switchport access vlan 999

shutdown

interface FastEthernet0/12

switchport access vlan 999

shutdown

interface FastEthernet0/13

switchport access vlan 999

shutdown

interface FastEthernet0/14

switchport access vlan 999

shutdown

interface FastEthernet0/15

switchport access vlan 999

shutdown

interface FastEthernet0/16

switchport access vlan 999

shutdown

interface FastEthernet0/17

switchport access vlan 999

shutdown

interface FastEthernet0/18

switchport access vlan 999

shutdown

interface FastEthernet0/19

switchport access vlan 999

shutdown

interface FastEthernet0/20

switchport access vlan 999

shutdown

interface FastEthernet0/21

switchport access vlan 999

shutdown

interface FastEthernet0/22

switchport access vlan 999

shutdown

interface FastEthernet0/23

switchport access vlan 999

shutdown

interface FastEthernet0/24

switchport access vlan 999

shutdown

interface GigabitEthernet0/1

switchport access vlan 999

shutdown

interface GigabitEthernet0/2

switchport access vlan 999

shutdown

interface Vlan1

no ip address

shutdown

interface Vlan130

mac-address 0001.64c9.d201

ip address 192.168.8.2 255.255.255.248

banner motd ^CKeep Out! Unauthorized access is punishable by law!^C

line con 0

password 7 0822455D0A16091E1C0E

login

line vty 0 4

exec-timeout 6 0

login local

transport input ssh

line vty 5 15

login

end

hostname PRRouter

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.11.1 192.168.11.10

ip dhcp pool PubRelation

network 192.168.11.0 255.255.255.248

default-router 192.168.11.1

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

interface FastEthernet0/1

ip dhcp snooping trust

switchport access vlan 160

switchport trunk encapsulation dot1q

switchport mode access

switchport nonegotiate

interface FastEthernet0/2

ip dhcp snooping limit rate 5

switchport access vlan 160

switchport mode access

switchport nonegotiate

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00D0.FFD9.8EDA

interface FastEthernet0/3

ip dhcp snooping limit rate 5

switchport access vlan 160

switchport mode access

switchport nonegotiate

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 00E0.8F1C.68AB

interface FastEthernet0/4

ip dhcp snooping limit rate 5

switchport access vlan 160

switchport mode access

switchport nonegotiate

interface FastEthernet0/5

ip dhcp snooping limit rate 5

switchport access vlan 160

switchport port-security mac-address sticky

interface FastEthernet0/6

interface FastEthernet0/7

interface FastEthernet0/8

interface FastEthernet0/9

interface FastEthernet0/10

interface FastEthernet0/11

interface FastEthernet0/12

interface FastEthernet0/13

interface FastEthernet0/14

interface FastEthernet0/15

interface FastEthernet0/16

interface FastEthernet0/17

interface FastEthernet0/18

interface FastEthernet0/19

interface FastEthernet0/20

interface FastEthernet0/21

interface FastEthernet0/22

interface FastEthernet0/23

interface FastEthernet0/24

interface GigabitEthernet0/1

interface GigabitEthernet0/2

interface Vlan1

no ip address

shutdown

interface Vlan160

mac-address 000d.bda3.a601

ip address 192.168.11.2 255.255.255.248

ip classless

ip flow-export version 9

banner motd ^CAuthorized Access Only^C

line con 0

password 7 0822455D0A16091E1C0E

login

line aux 0

line vty 0 4

login

end

hostname TreasurySwitch

enable secret 5 $1$mERr$f7p7M/m1NQjzCgHHFvepj.

ip dhcp excluded-address 192.168.10.1 192.168.10.10

ip dhcp pool Treasury

network 192.168.10.0 255.255.255.248

default-router 192.168.10.1

ip routing

username ciscouser secret 5 $1$mERr$FPJ20VOurz4bQRCfX6TQR/

spanning-tree mode pvst

interface FastEthernet0/1

ip dhcp snooping trust

switchport access vlan 150

switchport mode access

switchport nonegotiate

interface FastEthernet0/2

ip dhcp snooping limit rate 5

switchport access vlan 150

switchport mode access

switchport nonegotiate

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0090.2B33.988B

interface FastEthernet0/3

ip dhcp snooping limit rate 5

switchport access vlan 150

switchport mode access

switchport nonegotiate

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0003.E4D9.B59C

interface FastEthernet0/4

ip dhcp snooping limit rate 5

interface FastEthernet0/5

ip dhcp snooping limit rate 5

interface FastEthernet0/6

interface FastEthernet0/7

interface FastEthernet0/8

interface FastEthernet0/9

interface FastEthernet0/10

interface FastEthernet0/11

interface FastEthernet0/12

interface FastEthernet0/13

interface FastEthernet0/14

interface FastEthernet0/15

interface FastEthernet0/16

interface FastEthernet0/17

interface FastEthernet0/18

interface FastEthernet0/19

interface FastEthernet0/20

interface FastEthernet0/21

interface FastEthernet0/22

interface FastEthernet0/23

interface FastEthernet0/24

interface GigabitEthernet0/1

interface GigabitEthernet0/2

interface Vlan1

no ip address

interface Vlan150

mac-address 0000.0c06.a301

ip address 192.168.10.2 255.255.255.248

router rip

ip classless

ip flow-export version 9

banner motd ^CAuthorized Access Only!^C

line con 0

password 7 0822455D0A1606181C

login

line aux 0

line vty 0 4

login

end