Cisco Network Switch Configuration

1. Base configuration
   1. Log into the switch
   2. Type ‘enable’ to enter privileged executive mode
   3. Type ‘configuration terminal’ to enter configuration mode
   4. Copy and paste the following lines

!

version 12.2

no service pad

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname openvas\_testbed

!

boot-start-marker

boot-end-marker

!

!

no aaa new-model

switch 1 provision ws-c3750-24p

system mtu routing 1500

ip subnet-zero

ip routing

no ip domain-lookup

!

!

!

!

crypto pki trustpoint TP-self-signed-2137797120

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-2137797120

revocation-check none

rsakeypair TP-self-signed-2137797120

!

!

crypto pki certificate chain TP-self-signed-2137797120

certificate self-signed 01

30820248 308201B1 A0030201 02020101 300D0609 2A864886 F70D0101 04050030

31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274

69666963 6174652D 32313337 37393731 3230301E 170D3933 30333035 31393139

33355A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649

4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 31333737

39373132 3030819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281

8100E901 018A169F 94F1CE84 3944D241 29FDE8C9 EB715CCC 3D4A11BC 17D8DCB3

6875A69D D3CCDCE6 5AE3FFF8 DD2388BA 69FC9538 31391636 EFABA12F 26DBD816

0EF6D94C 59A93624 A6244E4F 557040CB EC5E4527 18AC52DC B288B197 34D1D89A

9AFCFAF8 78EBE4F7 A2243E1F 17EB59A2 D3A1D003 03742EB7 0E552E5F B7E9FAE5

A24B0203 010001A3 70306E30 0F060355 1D130101 FF040530 030101FF 301B0603

551D1104 14301282 106F7065 6E766173 5F746573 74626564 2E301F06 03551D23

04183016 80142808 6AD5F4BD AE1BF761 79E6FBF0 19274040 2EB3301D 0603551D

0E041604 1428086A D5F4BDAE 1BF76179 E6FBF019 2740402E B3300D06 092A8648

86F70D01 01040500 03818100 630C3E0E 8CCA00DA 4B1560A2 9F524E9F 303301F2

80F39AC1 E85F1936 FC3D55FB 77634165 BBDFAB78 2640879B F228302A 8670242B

464CA9E6 2028CDE7 611FE4DC 8DF47863 37DE1D62 33286ED9 D05F3506 6415DFB0

0FE44E0E E5C31704 3A00FFF0 47EA1D35 9822A07F 999F54E4 8A1CEB84 E9DD9997

8FF8D02F B2EEC9A8 AF5C2CE6

quit

!

!

!

!

!

spanning-tree mode pvst

spanning-tree etherchannel guard misconfig

spanning-tree extend system-id

!

vlan internal allocation policy ascending

!

!

!

interface FastEthernet1/0/1

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/2

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/3

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/4

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/5

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/6

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/7

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/8

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/9

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/10

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/11

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/12

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/13

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/14

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/15

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/16

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/17

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/18

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/19

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/20

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/21

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/22

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/23

switchport access vlan 10

switchport mode access

!

interface FastEthernet1/0/24

switchport access vlan 10

switchport mode access

ip dhcp snooping trust

!

interface GigabitEthernet1/0/1

!

interface GigabitEthernet1/0/2

!

interface Vlan1

ip address 192.168.1.5 255.255.255.0

ip helper-address 192.168.1.1

!

interface Vlan10

ip address 192.168.10.1 255.255.255.0

ip helper-address 192.168.1.1

!

ip default-gateway 192.168.1.1

ip classless

ip http server

ip http secure-server

!

!

control-plane

!

!

line con 0

line vty 0 4

login

line vty 5 15

login

!

* 1. Next create a password
     1. While in configuration terminal type ‘enable secret \*\*your password here\*\*’
     2. Now when you want to get into privileged executive mode you need a password.
  2. Save your file with ‘copy running-config startup-config’

1. Password recovery
   1. Power the device down
   2. Hold the mode button down and power the device
   3. Release the mode button after about 45 seconds
   4. When prompted type ‘flash\_init’
   5. Type ‘del config.text’
   6. Type ‘del private-config’
   7. Type ‘del vlan.dat’
   8. Type ‘boot’ then follow the instructions above for general config