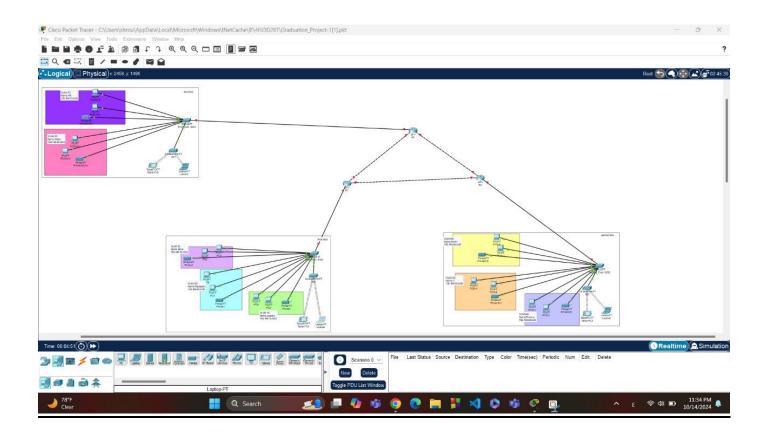
Graduation Project



First_Floor_SW1

Switch>en

Switch#conf t

Switch(config)#hostname SW1

SW1(config)#enable password abc

SW1(config)#username abc password abc

SW1(config)#vlan 10

SW1(config-vlan)#name Logistic

SW1(config-vlan)#vlan 20

SW1(config-vlan)#name Reception

SW1(config-vlan)#vlan 30

SW1(config-vlan)#name Store

SW1(config-vlan)#do wr

SW1(config-vlan)#ex

SW1#sh vlan

SW1#conf t

SW1(config)#int range fa0/7-9

SW1(config-if-range)#switchport mode access

SW1(config-if-range)#switchport access vlan 10

SW1(config-if-range)#exit

SW1(config)#int range fa0/4-6

SW1(config-if-range)#switchport mode access

SW1(config-if-range)#switchport access vlan 20

SW1(config-if-range)#ex

SW1(config)#int range fa0/1-3

SW1(config-if-range)#switchport mode access

SW1(config-if-range)#switchport access vlan 30

SW1(config-if-range)#exit

SW1(config)#

SW1(config)#do wr

SW1#sh vlan br

SW1#conf t

SW1(config)#int fa0/10

SW1(config-if)#switchport mode trunk

SW1(config-if)#do wr

SW1(config-if)#ex

Second_Floor_SW2

Switch>en

Switch#conf t

Switch(config)#enable password abc

Switch(config)#username abc password abc

Switch(config)#hostname SW2

SW2(config)#vlan 40

SW2(config-vlan)#name Admin

SW2(config-vlan)#vlan 50

SW2(config-vlan)#name IT

SW2(config-vlan)#vlan 60

SW2(config-vlan)#name Finance

SW2(config-vlan)#do wr

SW2(config-vlan)#ex

SW2#sh vlan

SW2#conf t

SW2(config)#int range fa0/1-3

SW2(config-if-range)#switchport mode access

SW2(config-if-range)#switchport access vlan 40

SW2(config-if-range)#exit

SW2(config)#int range fa0/4-6

SW2(config-if-range)#switchport mode access

SW2(config-if-range)#switchport access vlan 50

SW2(config-if-range)#exit

SW2(config)#int range fa0/7-9

SW2(config-if-range)#switchport mode access

SW2(config-if-range)#switchport access vlan 60 SW2(config-if-range)#exit

SW2#sh vlan br

SW2#conf t

SW2(config)#int fa0/10

SW2(config-if)#switchport mode trunk

SW2(config-if)#exit

SW2(config)#do wr

Third_Floor_SW3

Switch>en

Switch#conf t

Switch(config)#hostname SW3

SW3(config)#enable password abc

SW3(config)#username abc password abc

SW3(config)#vlan 70

SW3(config-vlan)#name HR

SW3(config-vlan)#vlan 80

SW3(config-vlan)#name Sales

SW3(config-vlan)#do wr

SW3(config-vlan)#ex

SW3#sh vlan

SW3#conf t

SW3(config)#int range fa0/1-3

SW3(config-if-range)#switchport mode access

SW3(config-if-range)#switchport access vlan 70 SW3(config-if-range)#exit SW3(config)#int range fa0/4-6 SW3(config-if-range)#switchport mode access SW3(config-if-range)#switchport access vlan 80 SW3(config-if-range)#exit SW3(config)#do wr SW3#sh vlan br SW3#conf t SW3(config)#int fa0/7 SW3(config-if)#switchport mode trunk SW3(config-if)#do wr SW3(config-if)#exit Router> Router> Router>en Router#config t Enter configuration commands, one per line. End with CNTL/Z. Router(config)#hostname R1 R1(config)# R1(config)#int f0/0 R1(config-if)#ip add 192.168.12.1 255.255.255.0 R1(config-if)#no sh R1(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

```
R1(config-if)#
R1(config-if)#int f1/0
R1(config-if)#ip add 192.168.13.1 255.255.255.0
R1(config-if)#no sh
R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
R1(config-if)#
R1(config-if)#exit
R1(config)#int f0/1
R1(config-if)#no sh
R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
R1(config-if)#no ip add
R1(config-if)#int f0/1.10
R1(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/1.10, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1.10, changed state to up
R1(config-subif)#
R1(config-subif)#en
% Ambiguous command: "en"
```

R1(config)#en

% Ambiguous command: "en"

R1(config)#int f0/1

R1(config-if)#no sh

R1(config-if)#

R1(config-if)#no ip add

R1(config-if)#int f0/1.10

R1(config-subif)#

R1(config-subif)#encapsulation dot1Q 10

R1(config-subif)#ip add 192.168.1.1 255.255.255.0

R1(config-subif)#no sh

R1(config-subif)#exit

R1(config)#int f0/1.20

R1(config-subif)#

%LINK-5-CHANGED: Interface FastEthernet0/1.20, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1.20, changed state to up

R1(config-subif)#encapsulation dot1Q 20

R1(config-subif)#ip add 192.168.20.1 255.255.255.0

R1(config-subif)#exit

R1(config)#int f0/1.10

R1(config-subif)#ip add 192.168.10.1 255.255.255.0

R1(config-subif)#exit

R1(config)#

R1(config)#do sh ip int br

Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 192.168.12.1 YES manual up down
FastEthernet0/1 unassigned YES unset up up
FastEthernet0/1.10 192.168.10.1 YES manual up up
FastEthernet0/1.20 192.168.20.1 YES manual up up

FastEthernet1/0 192.168.13.1 YES manual up down

FastEthernet1/1 unassigned YES unset administratively down down

Vlan1 unassigned YES unset administratively down down

R1(config)#int f0/1.30

R1(config-subif)#

%LINK-5-CHANGED: Interface FastEthernet0/1.30, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1.30, changed state to up

R1(config-subif)#encapsulation dot1Q 30

R1(config-subif)#ip add 192.168.30.1 255.255.255.0

R1(config-subif)#no sh

R1(config-subif)#

R1(config-subif)#

R1(config-subif)#exit

R1(config)#

R1(config)#router ospf 1

R1(config-router)#network 192.168.10.0.0.0.255 a 0

Λ

% Invalid input detected at '^' marker.

R1(config-router)#net

% Incomplete command.

R1(config-router)#network 192.168.10.0 0.0.0.255 a 0

R1(config-router)#network 192.168.20.0 0.0.0.255 a 0

R1(config-router)#network 192.168.30.0 0.0.0.255 a 0

R1(config-router)#network 192.168.12.0 0.0.0.255 a 0

R1(config-router)#network 192.168.13.0 0.0.0.255 a 0

R1(config-router)#do wr

Building configuration...

[OK]

R1(config-router)#exit

R1(config)#ip dh

% Incomplete command.

R1(config)#ip dhcp?

excluded-address Prevent DHCP from assigning certain addresses

pool Configure DHCP address pools

relay DHCP relay agent parameters

R1(config)#ip dhcp pool vlan10

R1(dhcp-config)#network 192.168.10.0 255.255.255.0

R1(dhcp-config)#default-router 192.168.10.1

R1(dhcp-config)#exit

R1(config)#ip dhcp excluded-address 192.168.10.1

R1(config)#ip dhcp excluded-address 192.168.20.1

R1(config)#ip dhcp excluded-address 192.168.30.1

R1(config)#

R1(config)#ip dhcp pool vlan20

R1>sh ip int br

Interface	IP-Address Ok	(? Method Status	Protocol
FastEthernet0/0	192.168.12.2	1 YES manual up	up
FastEthernet0/1	unassigned	YES unset up	up
FastEthernet0/1	10 192.168.10	0.1 YES manual up	up
FastEthernet0/1	20 192.168.20	0.1 YES manual up	up
FastEthernet0/1	30 192.168.30	0.1 YES manual up	up
FastEthernet1/0	192.168.13.1	1 YES manual up	down
FastEthernet1/1	unassigned	YES unset admini	stratively down down
Vlan1	unassigned YES	S unset administrati	vely down down
R1>			

```
01:02:24: %OSPF-5-ADJCHG: Process 1, Nbr 192.168.60.1 on FastEthernet0/0 from LOADING to FULL,
Loading Done
R2
Router>
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R2
R2(config)#
R2(config)#int f0/0
R2(config-if)#ip add 192.168.12.2 255.255.255.0
R2(config-if)#no sh
R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
R2(config-if)#
R2(config-if)#
R2(config-if)#int f0/1
R2(config-if)#ip add 192.168.23.2 255.255.255.0
R2(config-if)#no sh
R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
R2(config-if)#
R2(config-if)#exit
```

R2(config)#int f1/0 R2(config-if)#no sh R2(config-if)# %LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up R2(config-if)#exit R2(config)# R2(config)#int f1/0 R2(config-if)#exit R2(config)#f1/0.40 % Invalid input detected at '^' marker. R2(config)#int f1/0.40 R2(config-subif)# %LINK-5-CHANGED: Interface FastEthernet1/0.40, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0.40, changed state to up R2(config-subif)#encapsulation dot1Q 40 R2(config-subif)#ip add 192.168.40.1 255.255.255.0 R2(config-subif)#exit R2(config)#

%LINK-5-CHANGED: Interface FastEthernet1/0.50, changed state to up

R2(config)#int f1/0.50

R2(config-subif)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0.50, changed state to up

R2(config-subif)#encapsulation dot1Q 50

R2(config-subif)#ip add 192.168.50.1 255.255.255.0

R2(config-subif)#no sh

R2(config-subif)#

R2(config-subif)#int f1/0.60

R2(config-subif)#

%LINK-5-CHANGED: Interface FastEthernet1/0.60, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0.60, changed state to up

R2(config-subif)#encapsulation dot1Q 60

R2(config-subif)#ip add 192.168.60.1 255.255.255.0

R2(config-subif)#no sh

R2(config-subif)#

R2(config-subif)#exit

R2(config)#

R2(config)#router ospf 1

R2(config-router)#network 192.168.40.0 0.0.0.255 a 0

R2(config-router)#network 192.168.50.0 0.0.0.255 a 0

R2(config-router)#network 192.168.60.0 0.0.0.255 a 0

R2(config-router)#network 192.168.23.0 0.0.0.255 a 0

R2(config-router)#network 192.168.12.0 0.0.0.255 a 0

R2(config-router)#do wr

01:02:24: %OSPF-5-ADJCHG: Process 1, Nbr 192.168.30.1 on FastEthernet0/0 from LOADING to FULL, Loading Done

Building configuration...

[OK]

R2(config-router)#exit R2(config)#ip dhcp pool vlan40 R2(dhcp-config)#network 192.168.40.0 255.255.255.0 R2(dhcp-config)#default-router 192.168.40.1 R2(dhcp-config)#dns-server 8.8.8.8 R2(dhcp-config)#exit R2(config)#ip dhcp pool vlan50 R2(dhcp-config)#network 192.168.50.0 255.255.255.0 R2(dhcp-config)#default-router 192.168.50.1 R2(dhcp-config)#dns-server 8.8.8.8 R2(dhcp-config)#exit R2(config)#ip dhcp pool vlan60 R2(dhcp-config)#network 192.168.60.0 255.255.255.0 R2(dhcp-config)#default-router 192.168.60.1 R2(dhcp-config)#dns-server 8.8.8.8 R2(dhcp-config)#exit R2(config)#ip dhcp excluded-address 192.168.40.1 R2(config)#ip dhcp excluded-address 192.168.50.1 R2(config)#ip dhcp excluded-address 192.168.60.1 R2(config)#do wr Building configuration... [OK] R2(config)# R2(config)# R3 Router> Router>en

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#hostname R3 R3(config)# R3(config)#int f0/0 R3(config-if)#ip add 192.168.13.3 255.255.255.0 R3(config-if)#no sh R3(config-if)# %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up R3(config-if)# R3(config-if)#int f0/1 R3(config-if)#ip add 192.168.23.3 255.255.255.0 R3(config-if)#no sh R3(config-if)# %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up R3(config-if)# R3(config-if)#exit R3(config)#int f1/0 R3(config-if)#no sh R3(config-if)# %LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up R3(config-if)#exit R3(config)#int f1/0 R3(config-if)#no sh R3(config-if)#no ip add R3(config-if)#exit R3(config)# R3(config)#int f1/0 R3(config-if)#exit R3(config)#int f1/0.70 R3(config-subif)# %LINK-5-CHANGED: Interface FastEthernet1/0.70, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0.70, changed state to up R3(config-subif)# R3(config-subif)#encapsulation dot1Q 70 R3(config-subif)#ip add 192.168.70.1 255.255.255.0 R3(config-subif)# R3(config-subif)#exit R3(config)# R3(config)#int f1/0.80 R3(config-subif)# %LINK-5-CHANGED: Interface FastEthernet1/0.80, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0.80, changed state to up R3(config-subif)#encapsulation dot1Q 80 R3(config-subif)#

R3(config-subif)#ip add 192.168.80.1 255.255.255.0

R3(config-subif)#no sh

R3(config-subif)#

R3(config-subif)#exit

R3(config)#do sh ip int br

Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 192.168.13.3 YES manual up up
FastEthernet0/1 192.168.23.3 YES manual up up
FastEthernet1/0 unassigned YES unset up up
FastEthernet1/0.70 192.168.70.1 YES manual up up

FastEthernet1/0.80 192.168.80.1 YES manual up up

FastEthernet1/1 unassigned YES unset administratively down down

Vlan1 unassigned YES unset administratively down down

R3(config)#router ospf 1

R3(config-router)#network 192.168.70.0 0.0.0.255 a 0

R3(config-router)#network 192.168.80.0 0.0.0.255 a 0

R3(config-router)#network 192.168.13.0 0.0.0.255 a 0

R3(config-router)#network 192.168.23

01:37:02: %OSPF-5-ADJCHG: Process 1, Nbr 192.168.30.1 on FastEthernet0/0 from LOADING to FULL, Loading Done

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% Invalid input detected at '^' marker.

R3(config-router)#network 192.168.23.0 0.0.0.255 a 0

R3(config-router)#do wr

Building configuration...

[OK]

R3(config-router)#

01:37:53: %OSPF-5-ADJCHG: Process 1, Nbr 192.168.60.1 on FastEthernet0/1 from LOADING to FULL, Loading Done

```
R3(config-router)# exit
R3(config)#
R3(config)#ip
% Incomplete command.
R3(config)#ip dhcp pool vlan70
R3(dhcp-config)#network 192.168.70.0 255.255.255.0
R3(dhcp-config)#default-router 192.168.70.1
R3(dhcp-config)#dns-server 8.8.8.8
R3(dhcp-config)#exit
R3(config)#ip dhcp pool vlan80
R3(dhcp-config)#network 192.168.80.0 255.255.0
% Invalid input detected at '^' marker.
R3(dhcp-config)#network 192.168.80.0 255.255.255.0
R3(dhcp-config)#default-router 192.168.80.1
R3(dhcp-config)#dns-server 8.8.8.8
R3(dhcp-config)#do wr
R3(dhcp-config)#exit
R3(config)#ip dhcp excluded-address 192.168.70.1
R3(config)#ip dhcp excluded-address 192.168.80.1
R3(config)#do wr
Building configuration...
[OK]
R3(config)#
R3(config)#
```

```
SW2(config-if)#no sh
SW2(config-if)#exit
SW2(config)#ip domain-name abc
SW2(config)#crypto key generate rsa
The name for the keys will be: SW2.abc
Choose the size of the key modulus in the range of 360 to 4096 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.
How many bits in the modulus [512]: 2024
% Generating 2024 bit RSA keys, keys will be non-exportable...[OK]
SW2(config)#ip ssh version 2
*Mar 1 0:54:8.279: %SSH-5-ENABLED: SSH 1.99 has been enabled
SW2(config)#
SW2(config)#
SW2(config)#line vty 0 4
SW2(config-line)#transport input ssh
SW2(config-line)#
SW2(config-line)#login local
SW2(config-line)#
SW2(config-line)#exit
SW2(config)#
SW2(config)#exit
SW2#
%SYS-5-CONFIG_I: Configured from console by console
SW2#
```

SW2#sh run

Building configuration...

```
Current configuration: 1744 bytes
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
hostname SW2
enable password abc
ip ssh version 2
ip domain-name abc
username abc privilege 1 password 0 abc
spanning-tree mode pvst
spanning-tree extend system-id
ļ
interface FastEthernet0/1
switchport access vlan 40
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 40
```

```
switchport mode access
interface FastEthernet0/3
switchport access vlan 40
switchport mode access
interface FastEthernet0/4
switchport access vlan 50
switchport mode access
interface FastEthernet0/5
switchport access vlan 50
switchport mode access
interface FastEthernet0/6
switchport access vlan 50
switchport mode access
interface FastEthernet0/7
switchport access vlan 60
switchport mode access
!
interface FastEthernet0/8
switchport access vlan 60
switchport mode access
ļ
interface FastEthernet0/9
switchport access vlan 60
switchport mode access
ļ
```

```
interface FastEthernet0/10
switchport mode trunk
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 Vlan50
ip address 192.168.50.2 255.255.255.0
!
ļ
line con 0
!
line vty 04
login local
transport input ssh
line vty 5 15
login
end
```

```
SW2#
SW2#
SW2#
SW2#
SW2#
SW2#
SW2#
SW2#
SW2#config t
Enter configuration commands, one per line. End with CNTL/Z.
SW2(config)#ip default-gatway 192.168.50.1
% Invalid input detected at '^' marker.
SW2(config)#ip default-gateway 192.168.50.1
SW2(config)#
SW2(config)#^Z
% Invalid input detected at '^' marker.
SW2(config)#
SW2(config)#ip default-gateway 192.168.50.1
SW2(config)#
SW2(config)#
SW2(config)#*z
% Invalid input detected at '^' marker.
SW2(config)#^z
```

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```
% Invalid input detected at '^' marker.
SW2(config)#wr
% Invalid input detected at '^' marker.
SW2(config)#ip de
% Incomplete command.
SW2(config)#ip default-gateway 192.168.50.1
SW2(config)#^Z
SW2#
%SYS-5-CONFIG_I: Configured from console by console
SW2#wr
Building configuration...
[OK]
SW2#
SW2#
SW2#
R3>
R3>en
Password:
R3#sh run
Building configuration...
Current configuration: 1575 bytes
!
```

version 15.1

```
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
hostname R3
enable password abc
ip dhcp excluded-address 192.168.70.1
ip dhcp excluded-address 192.168.80.1
ip dhcp pool vlan70
network 192.168.70.0 255.255.255.0
default-router 192.168.70.1
dns-server 8.8.8.8
ip dhcp pool vlan80
network 192.168.80.0 255.255.255.0
default-router 192.168.80.1
dns-server 8.8.8.8
domain-name wr
no ip cef
no ipv6 cef
!
```

```
username abc password 0 abc
license udi pid CISCO2811/K9 sn FTX101792KA-
ip ssh version 2
ip domain-name abc
spanning-tree mode pvst
interface FastEthernet0/0
ip address 192.168.13.3 255.255.255.0
duplex auto
speed auto
```

```
interface FastEthernet0/1
ip address 192.168.23.3 255.255.255.0
duplex auto
speed auto
interface FastEthernet1/0
no ip address
duplex auto
speed auto
interface FastEthernet1/0.70
encapsulation dot1Q 70
ip address 192.168.70.1 255.255.255.0
interface FastEthernet1/0.80
encapsulation dot1Q 80
ip address 192.168.80.1 255.255.255.0
interface FastEthernet1/1
no ip address
duplex auto
speed auto
shutdown
ļ
interface Vlan1
no ip address
shutdown
!
router ospf 1
log-adjacency-changes
```

```
network 192.168.70.0 0.0.0.255 area 0
network 192.168.80.0 0.0.0.255 area 0
network 192.168.13.0 0.0.0.255 area 0
network 192.168.23.0 0.0.0.255 area 0
!
ip classless
ip flow-export version 9
!
ļ
ļ
line con 0
!
line aux 0
!
line vty 0 4
login local
transport input ssh
!
ļ
!
end
```

R3#

R3#

R3#
R3#config t
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#no ip dhcp excluded-address 192.168.70.1
R3(config)#ip dhcp excluded-address 192.168.70.1 192.168.70.10
R3(config)#do wr
Building configuration
[OK]
R3(config)#
R3(config)#
SW3>
SW3>
SW3>en
Password:
SW3#config t
Enter configuration commands, one per line. End with CNTL/Z.
SW3(config)#int vlan 70
SW3(config-if)#
%LINK-5-CHANGED: Interface Vlan70, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan70, changed state to up
SW3(config-if)#ip add 192.168.70.2 255.255.255.0
SW3(config-if)#no sh
SW3(config-if)#exit
SW3(config)#
SW3(config)#do sh ip int br

Interface IP-	Address OK	? Method Status	Protocol			
FastEthernet0/1	unassigned	YES manual up	up			
FastEthernet0/2	unassigned	YES manual up	up			
FastEthernet0/3	unassigned	YES manual up	up			
FastEthernet0/4	unassigned	YES manual up	up			
FastEthernet0/5	unassigned	YES manual up	up			
FastEthernet0/6	unassigned	YES manual up	up			
FastEthernet0/7	unassigned	YES manual up	up			
FastEthernet0/8	unassigned	YES manual down	down			
FastEthernet0/9	unassigned	YES manual down	down			
FastEthernet0/10	unassigned	YES manual down	down			
FastEthernet0/11	unassigned	YES manual up	up			
FastEthernet0/12	unassigned	YES manual down	down			
FastEthernet0/13	unassigned	YES manual down	down			
FastEthernet0/14	unassigned	YES manual down	down			
FastEthernet0/15	unassigned	YES manual down	down			
FastEthernet0/16	unassigned	YES manual down	down			
FastEthernet0/17	unassigned	YES manual down	down			
FastEthernet0/18	unassigned	YES manual down	down			
FastEthernet0/19	unassigned	YES manual down	down			
FastEthernet0/20	unassigned	YES manual down	down			
FastEthernet0/21	unassigned	YES manual down	down			
FastEthernet0/22	unassigned	YES manual down	down			
FastEthernet0/23	unassigned	YES manual down	down			
FastEthernet0/24	unassigned	YES manual down	down			
GigabitEthernet0/1	unassigned	YES manual down	down			
GigabitEthernet0/2	unassigned	YES manual down	down			
Vlan1 unassigned YES manual administratively down down						
Vlan70 192.168.70.2 YES manual up up						
SW3(config)#						

SW3(config)# SW3(config)# SW3(config)# SW3(config)#ip default-gateway 192.168.70.1 SW3(config)#enable password abc SW3(config)#username abc password abc SW3(config)#ip domain-name abc SW3(config)#crypto key generate rsa The name for the keys will be: SW3.abc Choose the size of the key modulus in the range of 360 to 4096 for your General Purpose Keys. Choosing a key modulus greater than 512 may take a few minutes. How many bits in the modulus [512]: 2024 % Generating 2024 bit RSA keys, keys will be non-exportable...[OK] SW3(config)#ip ssh version 2 *Mar 1 1:22:22.677: %SSH-5-ENABLED: SSH 1.99 has been enabled SW3(config)#line vty 0 4 SW3(config-line)#transport input all SW3(config-line)#transport input ssh SW3(config-line)#login local SW3(config-line)#exit SW3(config)# SW3(config)#exit SW3# %SYS-5-CONFIG_I: Configured from console by console

SW3#sh run

Building configuration...

```
Current configuration: 1625 bytes
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
hostname SW3
enable password abc
ip ssh version 2
ip domain-name abc
username abc privilege 1 password 0 abc
spanning-tree mode pvst
spanning-tree extend system-id
ļ
interface FastEthernet0/1
switchport access vlan 70
switchport mode access
!
interface FastEthernet0/2
switchport access vlan 70
```

```
switchport mode access
interface FastEthernet0/3
switchport access vlan 70
switchport mode access
interface FastEthernet0/4
switchport access vlan 80
switchport mode access
interface FastEthernet0/5
switchport access vlan 80
switchport mode access
!
interface FastEthernet0/6
switchport access vlan 80
switchport mode access
interface FastEthernet0/7
switchport mode trunk
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
ļ
interface Vlan1
```

```
no ip address
shutdown
ļ
interface Vlan70
ip address 192.168.70.2 255.255.255.0
ip default-gateway 192.168.70.1
!
line con 0
!
line vty 0 4
login local
transport input ssh
line vty 5 15
login
end
SW3#
SW3#
SW3#
SW3#wr
Building configuration...
```

[OK]

SW3#

SW3#