

Final project for the Topics CCNA part 1:

The first:

1- Building The topology as you show in figure:

- a- use Router 2911 Switch 2960**
- b- select appropriate cable to connect as figure**
- c- add AP (No router home or light Wight access point)**
- d- add end devices as show from lab top or PC and servers**

2-Configure Basic configuration as following:

A-Hostname to switches Your name_S1, Your name_S2, Your name_S3, Your name_S4

B- Hostname to Routers Your name_R1, Your name_R2, Your name_R3

C- Use domain name ((Your name.com))

D- All line password 123456

E-Encrypt your password

F-Username Your name pass 123

G-Enable VTY SSH only with default module bits

H-Banner ((Welcome to Your name))

The second:

1-Creat VLANS 10, 20 on Sw1 and 30, 40, on SW2 and 50, 60 On Sw3 as following:

A-VLAN 10 interfaces f0/1, f0/2, and f0/3 on S1

B-VLAN 20 interfaces f0/4, f0/5, and f0/6 On S1

C-VLAN 30 interfaces F0/1, F0/2, and F0/3 On S2

D-VLAN 40 interfaces f0/4, f0/5, and f0/6 On s2

E-VLAN 50 interfaces F0/1, F0/2, and F0/3 on S3

F-VLAN 60 f0/4, f0/5, and f0/6 on S3

The third:

-DHCP configuration:

1-configure suitable DHCP pools on Router to can distribute IP add with subnet mask and default router and DNS is (8.8.8.8) to all end devices in network.

2-All pools with subnet mask class C (255.255.255.0) /24

A-VLAN 10 pool 192.168.1.0/24 default router 192.168.1.1

B-VLAN 20 pool 192.168.2.0/24 default router 192.168.2.1

C-VLAN 30 pool 192.168.3.0/24 default router 192.168.3.1

D-VLAN 40 pool 192.168.4.0/24 default router 192.168.4.1

E-VLAN 50 pool 192.168.5.0/24 default router 192.168.5.1

F-VLAN 60 pool 192.168.6.0/24 default router 192.168.6.1

The forth:

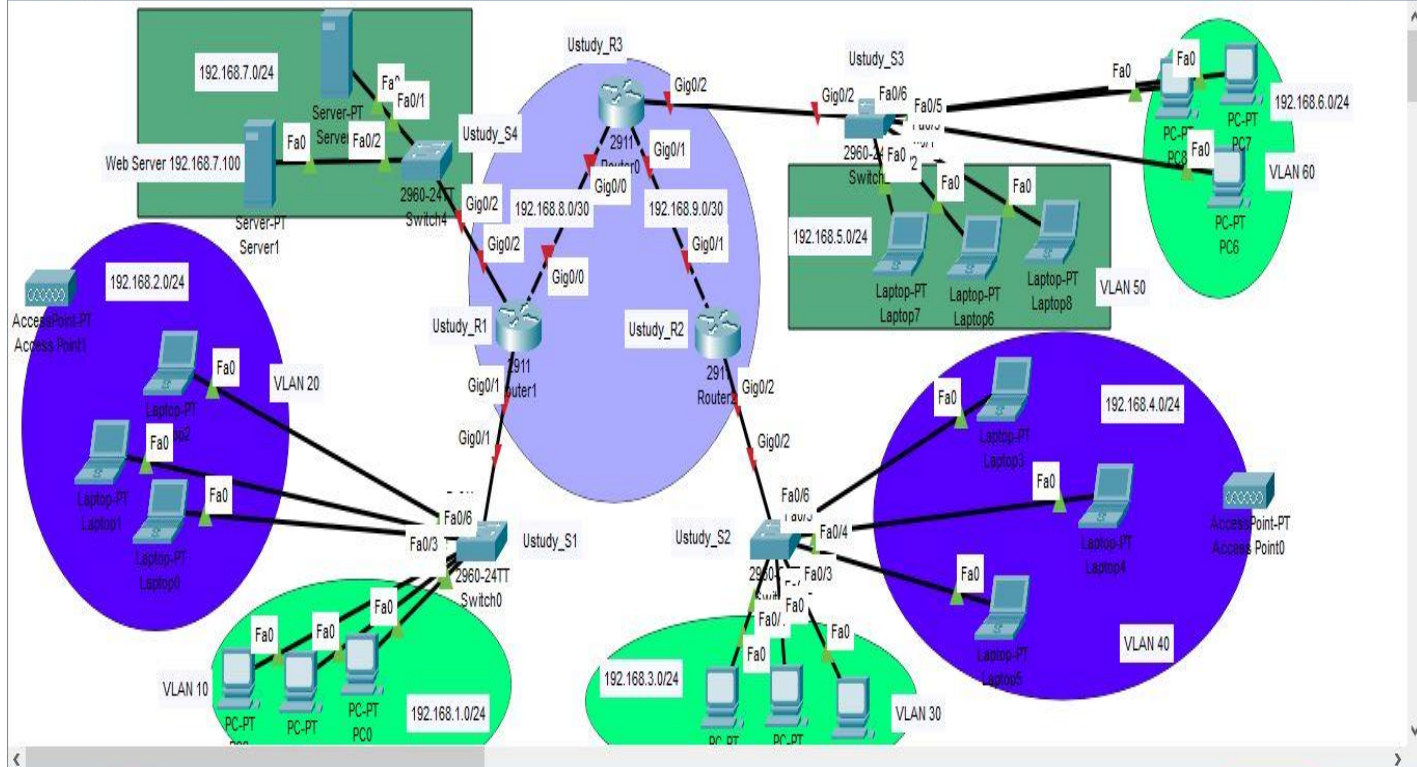
1- Routing area with 3 Routers You can use any dynamic Routing protocol (RIP or EIGRP or OSPF)

ACL:

Note: Webserver IP add is ((192.168.7.100))

1-Make network 192.168.3.0/24 do not access web server

Thanks. With MY best Wishes Engineer/Saleh Mahmoud



Time: 00:54:10  



Scenario 0 ▾

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit
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