

(1)

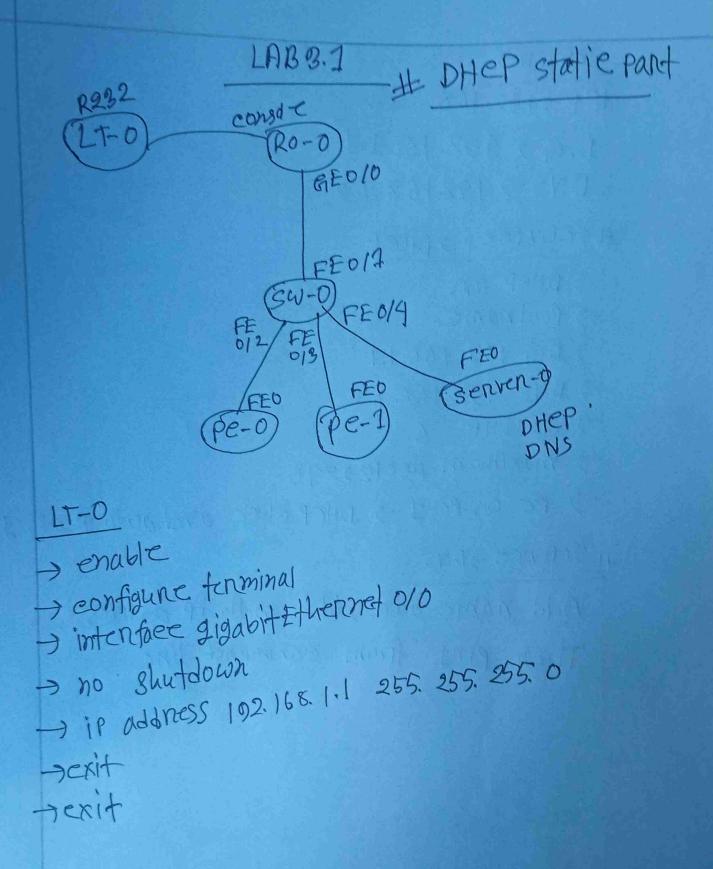
LAB2 Hehange hostname, security, viretually control. RS232 CONSOLE RO-0 GEOIT FED PC-0 RS232 console FE011 FED Defoult Gatway

ES SW-0 FE012 Pe-1 = Routen IP terminal for LT-I -rable -> configure terminal -> hostname SW-1 > banner motel # Enter password Here# -> enable scenet PIW/enable Password 123 + service password - eneryption -> lime console o -> password piwhosan -> loggin synchronous -> 10gin > hytory ske 20 > exec-timeout 10 >exit >exit - write memory -> show running - config TOXIT

```
17-0's terminal
same as LT-1's commands then,
-> configure terminal
> intenface gigabitEthernet 0/0
-> no shutdown
→ iP address 192.168.1.1 255.255.255.0
- exit
-> CXit
- write memory
> show running-config
> exit
L+-I
a enable
> configure terminal
> intenface vian 1
> no shutdown 192,168.1.2
7 ip address 102.16812. $ 255.255.255.0
-> ip default-gateway 192,168,1.2
> exit
- exit
                         1) history size 10
-> eonfigure terminal
                         rexce-timeout 10
-> line uty o
-> password ese
                        write memory
> logging synchronus
-> 102in
```

LT-0 -enable -> configure terminal > intenface visability hennet 0/1 255, 255, 255, 0 -> no shutdown -> ip address 192.168.2.1 +ixx ← > line vty 0 > password eee > logging synchronus -> history size 10 -> exec-time out to HEXIT TIXSE -write memory -) exit Pe-o and Pe-1 add it address, default gateway from their network Then command - telnet 192.168.1.2.

4



serven-o

#IP > 102.168.1.2

D.G > 192.168.1.7

DNS -> 192.168.1.2

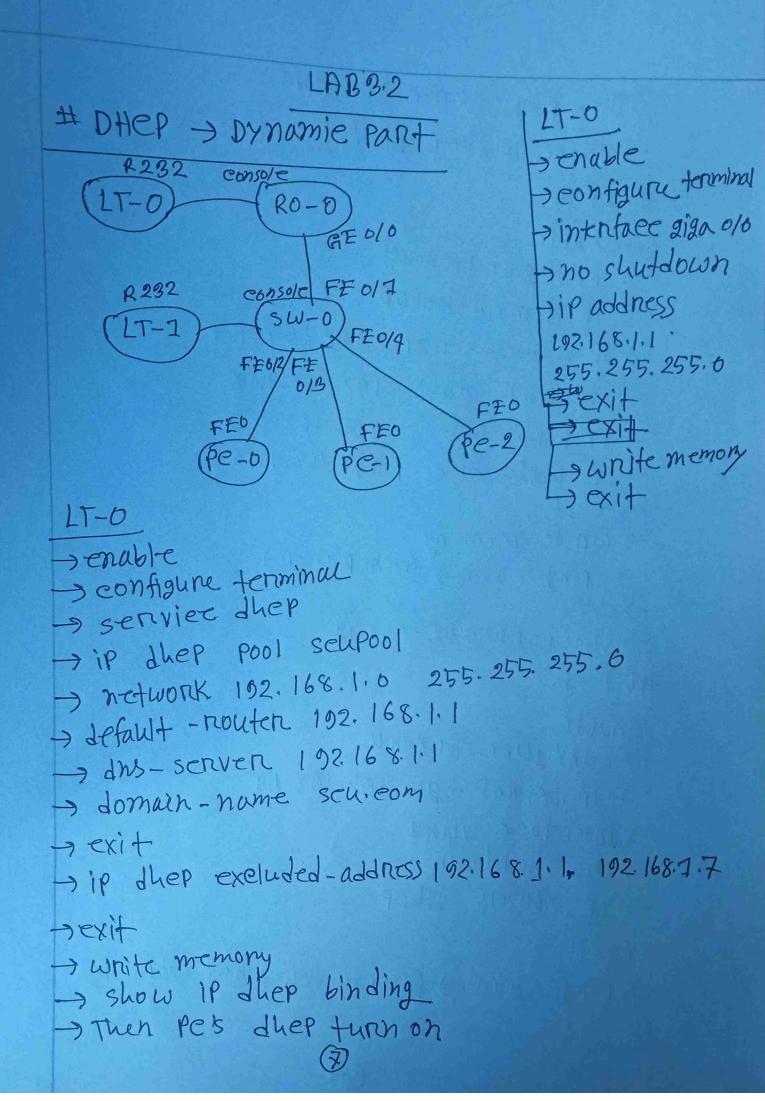
service > DHEP

- > DHEP on
- poolname
- -) DG 102, 168.1.1
- 7 DNS 192. 168. 1, 2
- -) stand ip 6
- -> maximum usery 248
- -> pe-o, pe-1 -> DHEP click and auto ip assign.

+ service > DNS

Add name aaa, bbb with it address.

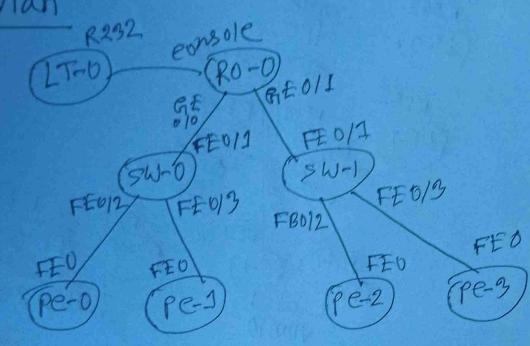
Then ping from command line



```
Then ping (same ferminal)
 > show ip ther binding
# LP-0
 renable
 -> eonfigure terminal
 7 ip domain-lookup
 -> IP name-server 192/68.1.1
 7 IP host aaa 192.168.1.8
 9 IP host 666 192. 168.1.9
Atr host ece 192.168.1.16
 - exit
- write memory
 > ping (aaa > from Router)
 - exit
 -> show running-config
#17-1
 enable
-> configure terminal
-1 ip default - 2w 102.168.1.1
- intentuce vlanz
- no shutdown
-) ip address thep
+ exif
-> ping (aag -> frow switch-> not working)
```

(3)

VIan



17-0

-enable

-) configure terminal

-> intenface gigablt ethennet 0/0

-> iP address 192.168.1.7 255,255,255.0

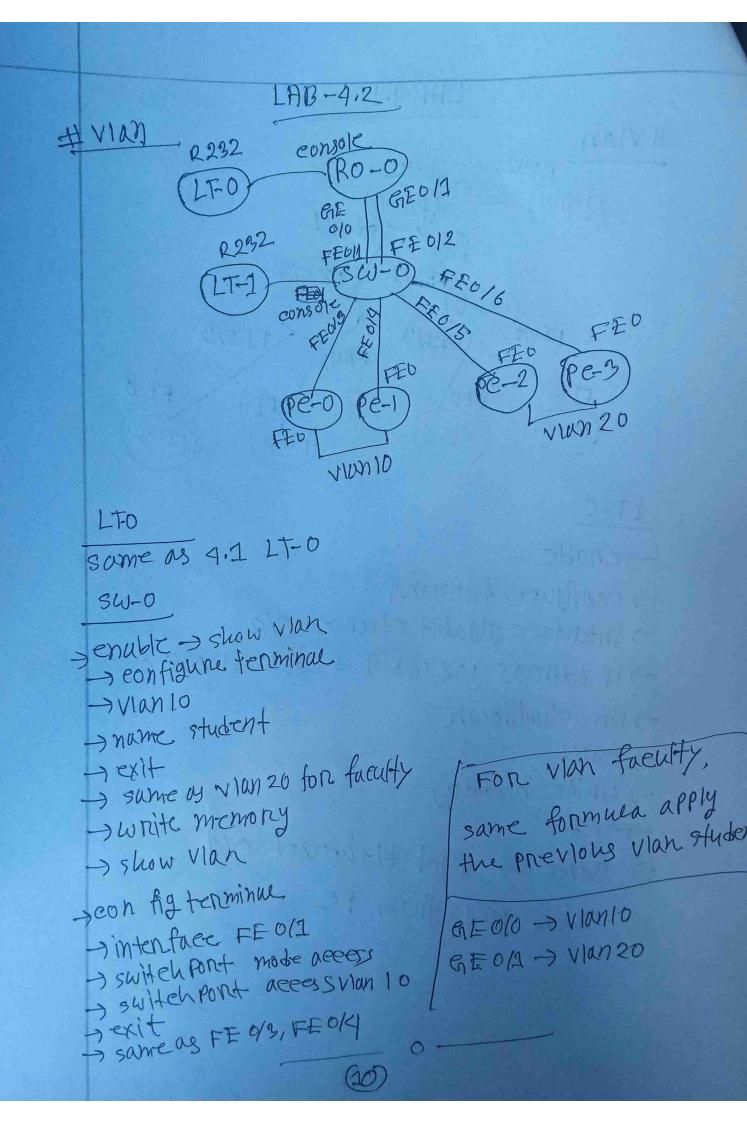
- no shutdown

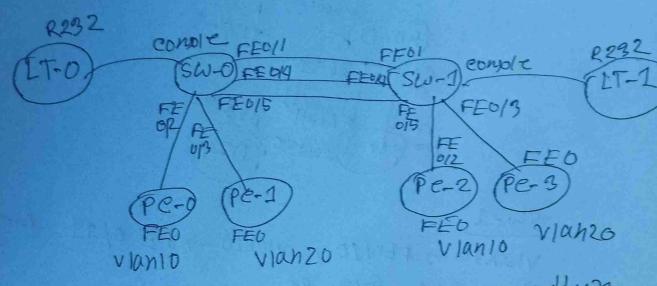
-> extit

- write memory

=> same as gigobitEthernet 0/1.

=) then ping from pe





#SW-0 and SWI, create vian 10, vian 20, then VIAN 10 -> SWO: FEO/1, FEO/2 VIAN-20 -> SW-0; FEO/9 m-cmbarship. FEOIS

SW1: FE 0/1 / FE 0/2 VI WM 20 75W1: FE 6/9 FE013

LABS. 2

same as Labs. I but nonove the aucable connection between sw-o and sw-I, then replace both FEOIT by sw-0 and su-1

x- enable Both for 54-0,54-7

-> configure terminal

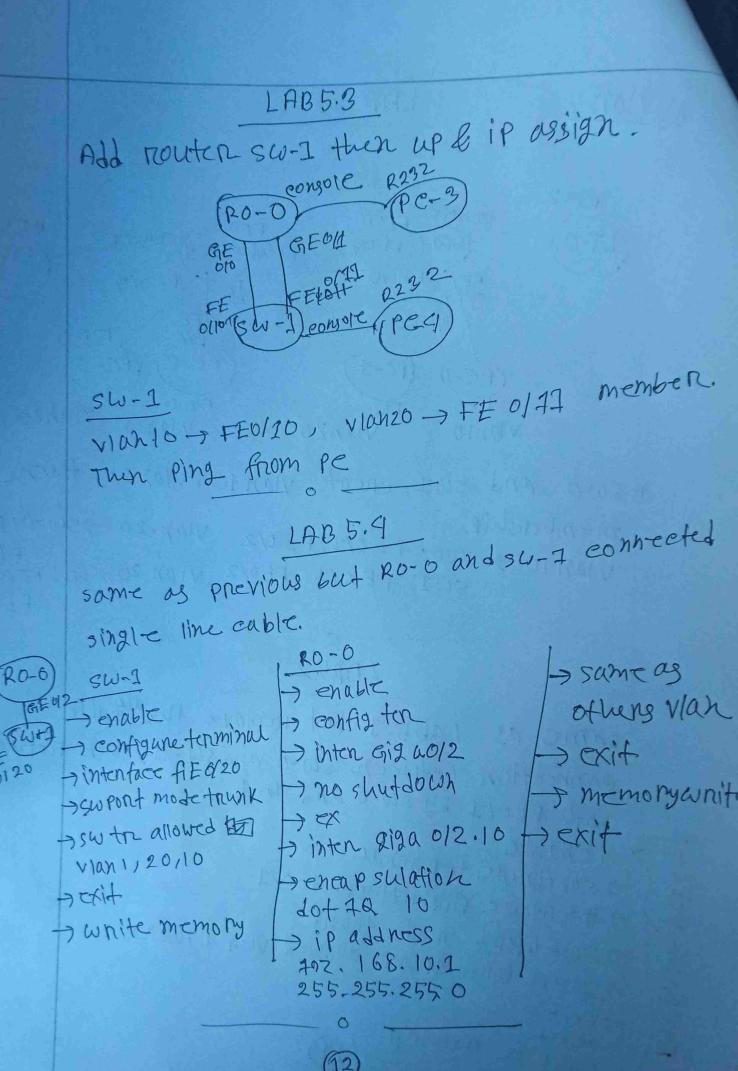
+ intenface finsbitthenhet 0/7

-> switchport mode trunk

- switch Port trunk allowed vian 1,10,20

Hoxit

write memory



NI > 192.168.10.0/29 NH > 192.168.3.0/24 N2 > 192.168.20.0/29 NS > 192.168.5.0/24 N3 > 192.168.30.0/24 N6 > 197.168.7.0/24 FE6

RO-O) REOLD FEOLIS RE-D)

RO-O) RE-DIS RE-DI

First RO up and assign ip fnom their network.

was de

SW0,5W1,5W2 TChalle -) configure terminal intenface vlan I To address 192.168.10. 2

255. 255. 255. 0 13 Exit

To do fing pels ip

The detault gateway 255 255. 255. - ne shudoun -) CXIT - write memory 20-1/2/3 -> enable -> eonfig torminal > introfice -> nouter nip -> vonson 2 -> notwork 2 -) network h -) network h HOXIT - unite memory

OSA

LAB7

Same as LAB6, before Ro-2,2,3.

After P:

FROM RO-1,2,3

- enable

-> configure terminal

-) nouter of 059f 1

-) nouter id 1.1.1.1

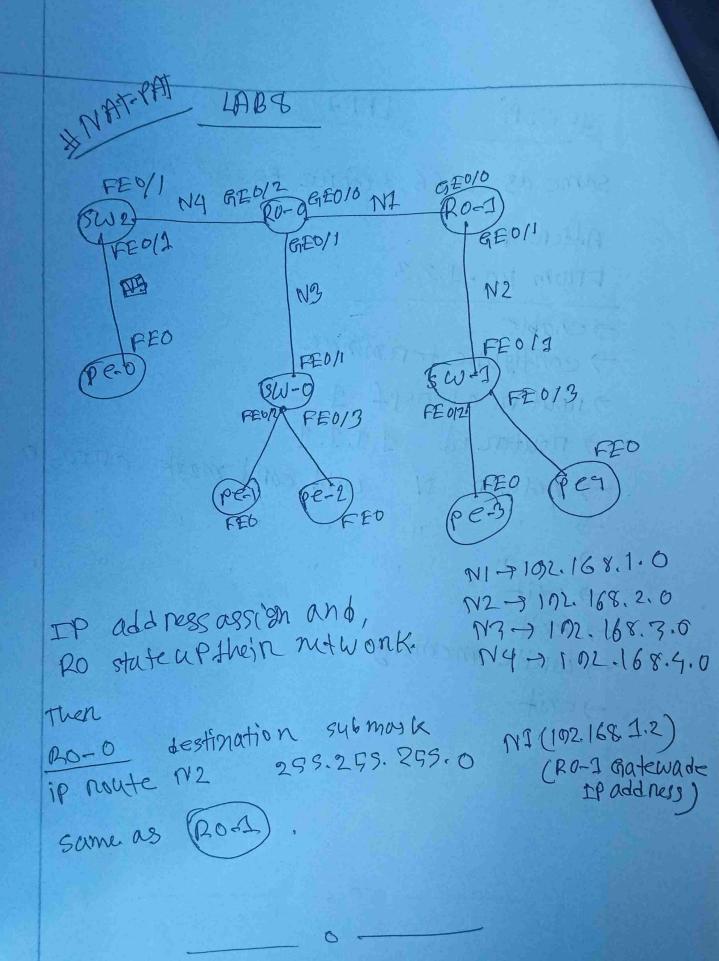
-> networ N wild earld mask area o -) u n in u u u u

The second of th

-> exit

-) exit memory ...

- exit



#NAT-PAT

LAB9

some as LABS.

noute Ro-I to ty Add subnet mask Ro-o G. w. Address

Routen-0

IP route 0.0.0.0 0.0.0.0 ISP G.W Attros

ip accos-list standard 1

accessing a penmit N3 wild earnd mark

#-> configure forminal

Tip nat Pool Public- access stant IP Endip RO-0 -> RO-I network address

net MAK 255. 255. 258.0

TIP nut inside source list a pool public- acces

+exit

> write memory

ISP router

Jeonfigure terminal

- intenface Lookback I

The shutdown

-> iP address 8.8.8.8 255. 255.255.0

- write memory.

ROUTER > eonfigure forminal > intenface giza 0/0 - ip not outside 7 exit -> intenface 2i2a 0/1 IP nat inside > show IP nat translations +) il inside sounce list & pool public access overload. Jexit-> write memory.

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