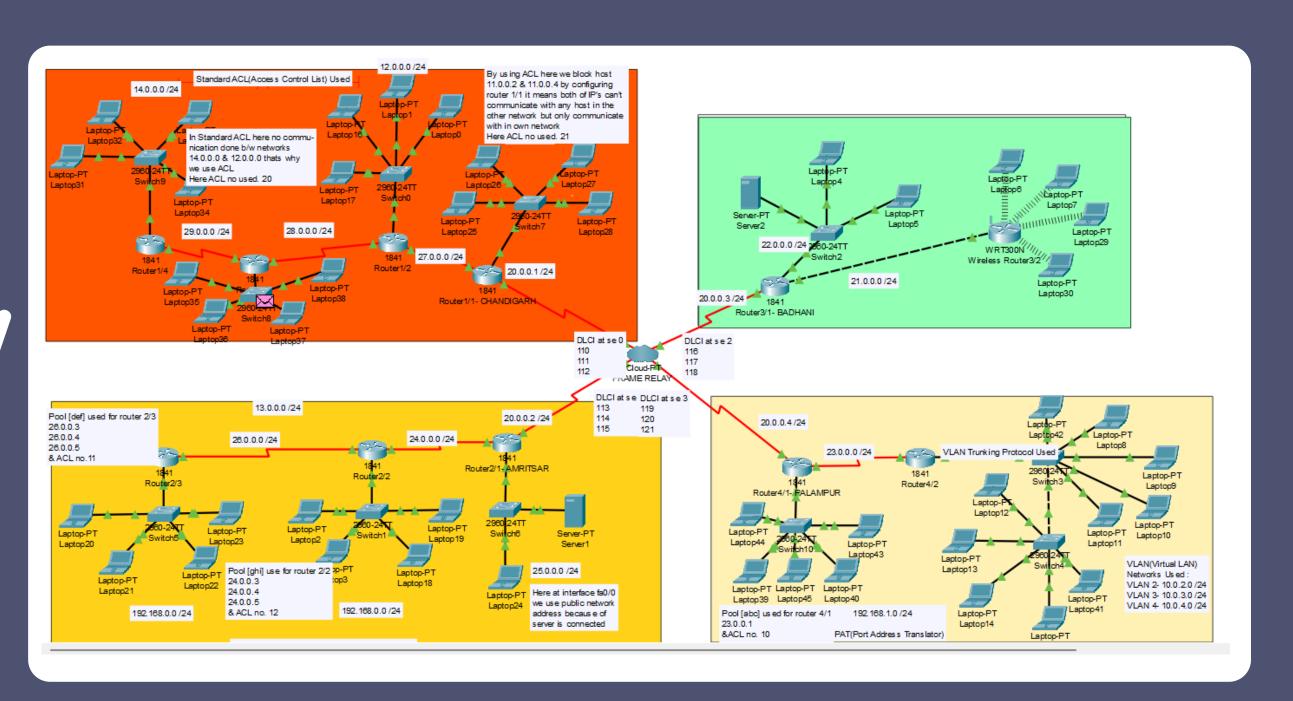
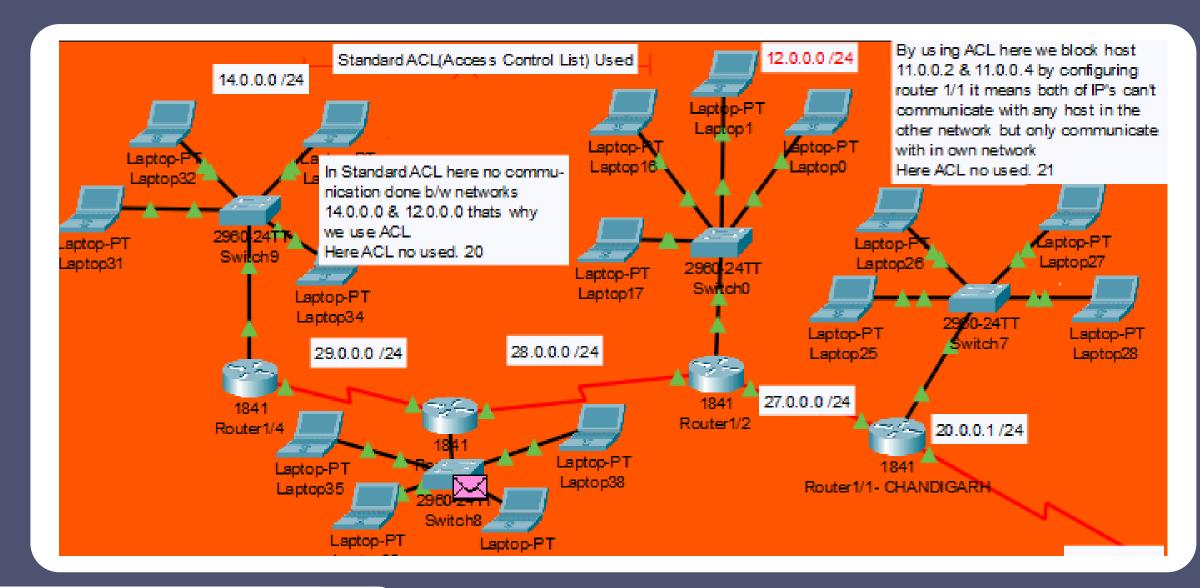
FALCON

Under supervision:Eng/Khaled Abdrabo

OVERVIEW



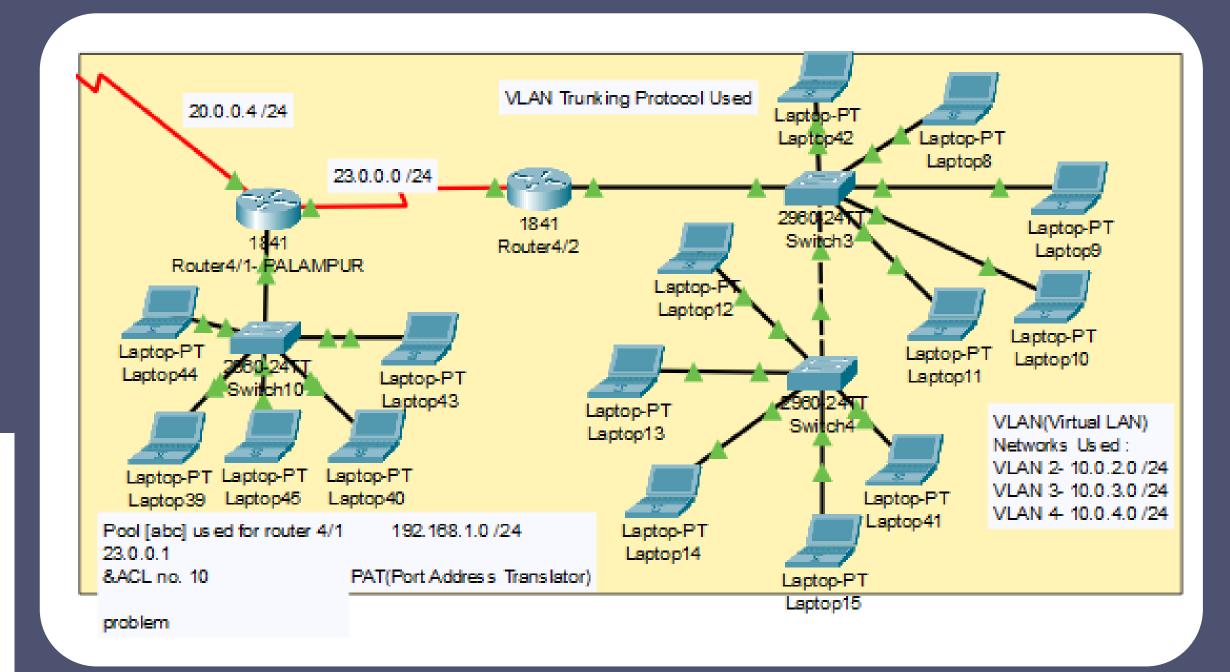
Standard ACL configraiont



```
Router(config) #access-list 20 per
Router(config) #access-list 20 permit any
Router(config) #inter
Router(config) #interface f0/1
Router(config-if) #ip ac
Router(config-if) #ip access-group 20 out
Router(config-if) #exit
Router(config) #do sh access-l
Router(config) #do sh access-list
Standard IP access list 20
10 deny 12.0.0.0 0.0.0.255 (22 match(es))
20 permit any
```

VLANS AND PAT

```
Switch(config) #! Create VLANs 2, 3, and 4
Switch (config) #vlan 2
Switch(config-vlan) # name VLAN 2
Switch (config-vlan) #vlan 3
Switch(config-vlan) # name VLAN 3
Switch (config-vlan) #vlan 4
Switch(config-vlan) # name VLAN 4
Switch (config-vlan) #
Switch(config-vlan) #! Assign interfaces to VLANs
Switch(config-vlan) #interface FastEthernet 0/1
Switch(config-if) # switchport mode access
Switch(config-if) # switchport access vlan 2
Switch (config-if) #exit
Switch (config) #
Switch(config) #interface FastEthernet 0/2
Switch(config-if) # switchport mode access
Switch(config-if) # switchport access vlan 3
Switch (config-if) #exit
Switch (config) #
Switch(config) #interface FastEthernet 0/3
Switch(config-if) # switchport mode access
Switch(config-if) # switchport access vlan 4
Switch (config-if) #exit
Switch (config) #
Switch(config) #! Configure trunk port between Switch3 and Switch4
Switch(config) #interface FastEthernet 0/24
Switch(config-if) # switchport mode trunk
Switch(config-if) # switchport trunk allowed vlan 2,3,4
```



VLANS AND PAT

```
Switch (config) #! Create VLAN 4
Switch (config) #vlan 4
Switch(config-vlan) # name VLAN 4
Switch (config-vlan) #
Switch (config-vlan) #! Assign interfaces to VLAN 4
Switch(config-vlan) #interface FastEthernet 0/1
Switch(config-if) # switchport mode access
Switch(config-if) # switchport access vlan 4
Switch (config-if) #exit
Switch (config) #
Switch(config) #! Configure trunk port between Switch4 and Switch3
Switch (config) #interface FastEthernet 0/24
Switch(config-if) # switchport mode trunk
Switch(config-if) # switchport trunk allowed vlan 4
Switch (config-if) #exit
Switch (config) #
```

```
Router(config)# interface GigabitEthernet 0/1
Router(config-if)# ip nat inside
Router(config-if)# exit
Router(config)# interface GigabitEthernet 0/0
Router(config-if)# ip nat outside
Router(config-if)# exit
Router(config)# access-list 1 permit 192.168.0.0 0.0.0.255
Router(config)# ip nat inside source list 1 interface GigabitEthernet 0/0 overload
Router(config)# exit
Router# write memory
```

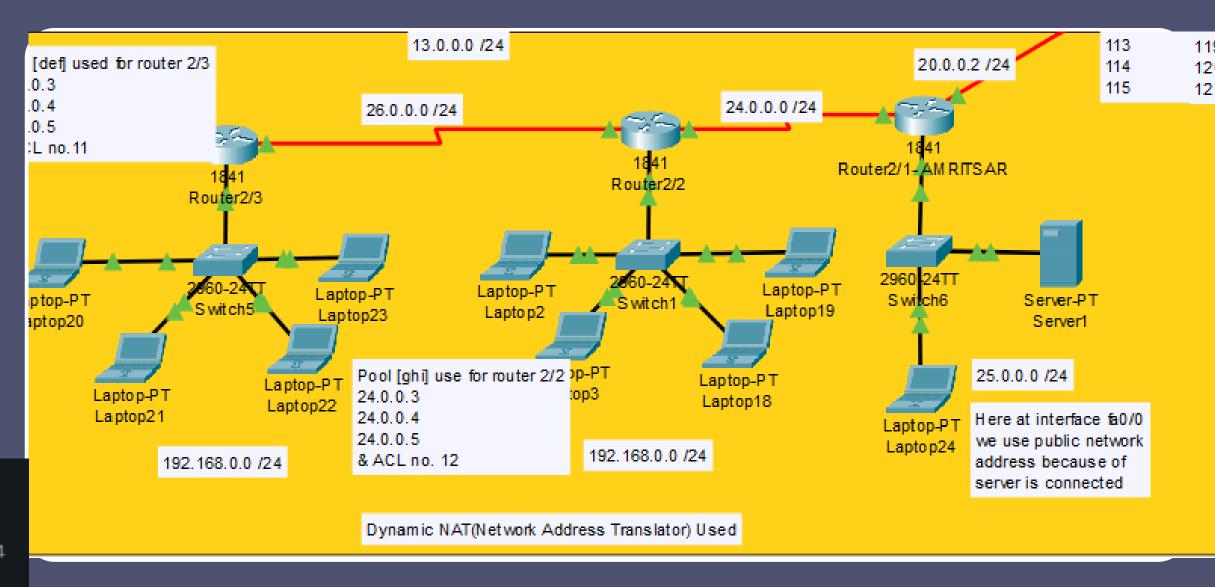
DYNAMIC NAT

Define the NAT pool for Router 2/3

```
ip nat pool def 13.0.0.3 13.0.0.4 netmask 255.255.255.0
# Define the access list for internal network 192.168.0.0/24
access-list 11 permit 192.168.0.0 0.0.0.255

# Apply NAT for the internal network using the pool 'def'
ip nat inside source list 11 pool def

# Define interfaces for NAT
interface FastEthernet0/0
  ip address 192.168.0.1 255.255.255.0
  ip nat inside
!
interface FastEthernet0/1
  ip address 26.0.0.2 255.255.255.0
  ip nat outside
```



Wireless-N Broadband Router

Firmware Version: v0.

					Wireless-N Broadband Router		WRT300N
Setup		Wireless	Security	Access Restrictions	Applications & Gaming	Administration	Status
	Basic Set	1b	DDNS	MAC Addres	ss Clone	Advanced Rout	ing
Internet Setup							
Internet Connection type	Static IP		~			Help	
_							
	Internet IP Address:	21 .	0 .	0 . 2			
	Subnet Mask:	255 .	255 .	255 . 0			
	Default Gateway:	21 .	0 .	0 . 1			
	DNS 1:	21 .	0 .	0 . 1			
	DNS 2 (Optional):	0 .	0 .	0 . 0			
	DNS 3 (Optional):	0 .	0 .	0 . 0			
Optional Settings	Host Name:				_		
(required by some internet service providers)	Domain Name:						
	MTU:	Size: 1500					
Network Setup							
Router IP	IP Address:	192	. 168	. 0 . 1			
	Subnet Mask:	255.255.255	5.0		~		
	DHCP				DHCP		
DHCP Server Settings	Server:) Enabled	0	Disabled	Reservation		
	Start IP Address: 19						
	Maximum number of Users:	50					
	IP Address Range: 192.168.0. 100 - 149						
	Client Lease Time:	0			minutes (0 means o	one day)	
	Static DNS 1: 0		. 0	. 0	. 0		
	Static DNS 2: 0		. 0	. 0	. 0		

WIRELESS

