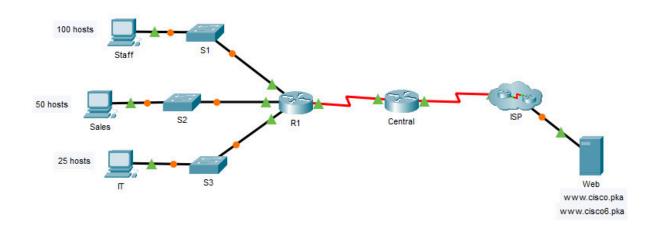
LAPORAN TUGAS 17.8.2 Packet Tracer

Nama : Kalisal Agusfajar G. NIM : A11.2022.14320



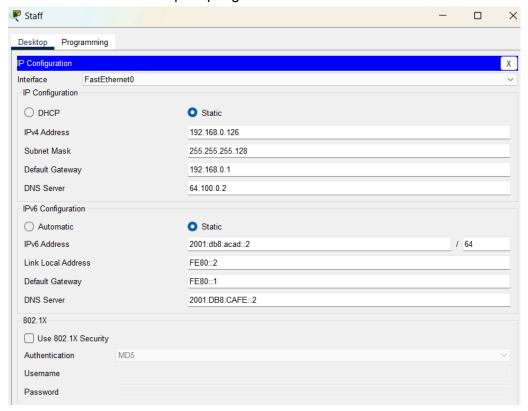
Pertama saya buat pengalamatannya dahulu di excel

Device	Network Address	Subnet mask	Range of host	Boardcast Address
Staff	192.168.0.0/25	255.255.255.128	192.168.0.1 - 192.168.0.126	192.168.0.127
Sales	192.168.0.128/26	255.255.255.192	192.168.0.129 - 192.168.0.190	192.168.0.191
IT	192.168.0.192/27	255.255.255.224	192.168.0.193- 192.168.0.222	192.168.0.223
Guest	192.168.0.224/27	255.255.255.224	192.168.0.223 - 192.168.0.254	192.168.0.255

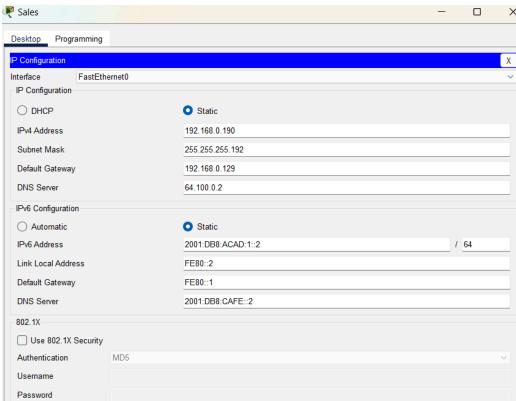
Lalu itu untuk isi ipv6

Staff	NIC		
		2001:db8:acad::2/64	fe80::1
		fe80::2	
Sales	NIC		
		2001:db8:acad:1::2/64	fe80::1
		fe80::2	
IT	NIC		
		2001:db8:acad:2::2/64	fe80::1
		fe80::2	
Web	NIC	64.100.0.3 /29	64.100.0.1
		2001:db8:cafe::3/64	fe80::1
		fe80::2	

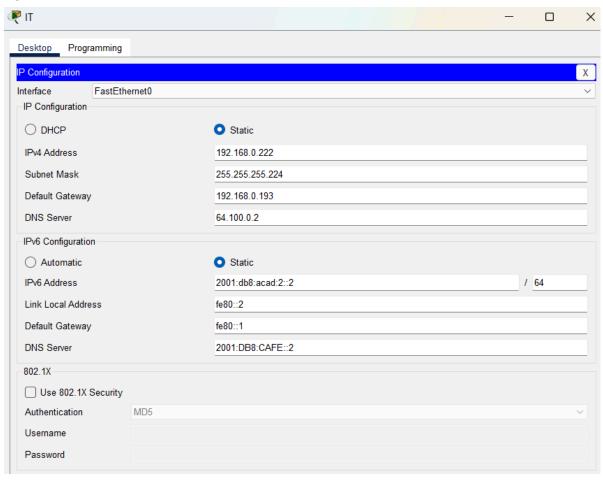
Lalu kita isi IP PC Staff seperti pengalamatan diatas



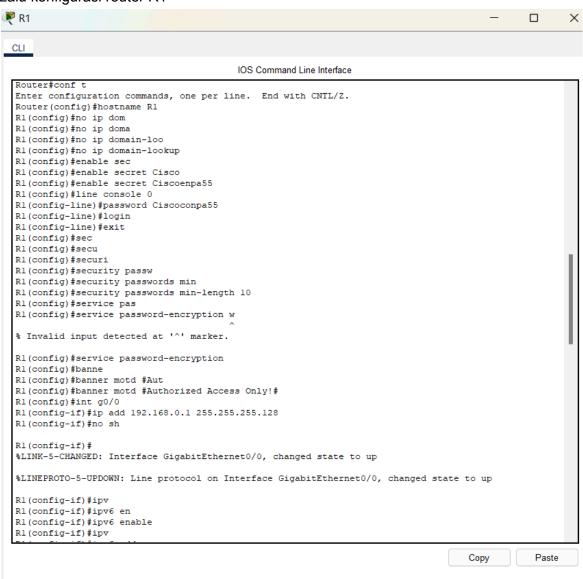
PC Sales



PC IT



Lalu konfigurasi router R1





CLI

```
IOS Command Line Interface
Rl(config-if)#ipv
R1(config-if)#ipv6 en
Rl(config-if)#ipv6 enable
R1(config-if)#ipv
Rl(config-if)#ipv6 add
Rl(config-if) #ipv6 address 2001:db8:acad:1/64
% Incomplete command.
Rl(config-if) #ipv6 address 2001:db8:acad::1/64
R1(config-if)#ipb
R1(config-if)#ipv
R1(config-if) #ipv6 add
Rl(config-if) #ipv6 address fe80::1 link
Rl(config-if) #ipv6 address fe80::1 link-local
R1(config-if) #int g0/1
R1(config-if) #ip add 192.168.0.129 255.255.255.192
Rl(config-if) #no sh
R1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernetO/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
R1(config-if)#ipv
Rl(config-if)#ipv6 ena
R1(config-if)#ipv6 enable
R1(config-if) #ipv
R1(config-if) #ipv6 add
R1(config-if) #ipv6 address 2001:db8:acad:1::1/64
Rl(config-if)#ipv
Rl(config-if) #ipv6 add
Rl(config-if)#ipv6 address fe80::1 link
Rl(config-if) #ipv6 address fe80::1 link-local
Rl(config-if)#exit
Rl(config)#int g0/2
Rl(config-if) #no sh
Rl(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2, changed state to up
Rl(config-if) #ip add 192.168.0.193 255.255.255.224
```

Сору

Paste

X



CLI

IOS Command Line Interface

```
R1(config-if)#ip add 192.168.0.193 255.255.255.224
Rl(config-if) #ipv
Rl(config-if)#ipv6 en
Rl(config-if)#ipv6 enable
R1(config-if)#ipv
Rl(config-if) #ipv6 aff
R1(config-if) #ipv6 add
R1(config-if) #ipv6 address 2001:db8:acad:2::1/64
R1(config-if) #ipv
Rl(config-if) #ipv6 add
Rl(config-if) #ipv6 address fe80::1 link
Rl(config-if) #ipv6 address fe80::1 link-local
Rl(config-if) #ip domain-name CCNA-lab.com
R1(config)#cryp
R1(config) #crypto key gen
Rl(config) #crypto key generate rsa
The name for the keys will be: Rl.CCNA-lab.com
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]: 1024
% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]
R1(config) #line
*Mar 1 13:11:3.723: %SSH-5-ENABLED: SSH 1.99 has been enabled
% Incomplete command.
R1(config) #line vty 0 4
R1(config-line) #login local
R1(config-line)#tr
R1(config-line) #transport in
Rl(config-line) #transport input ssh
Rl(config-line)#exit
Rl(config) #usern
Rl(config) #username adm
Rl(config) #username Adminl pr
Rl(config) #username Adminl privilege 15 sec
Rl(config) #username Adminl privilege 15 secret Adminlpa55
R1(config) #line console 0
R1(config-line) #exec-timeout 5
Rl(config-line) #exit
R1(config) #line vty 0 4
```

Сору

Paste

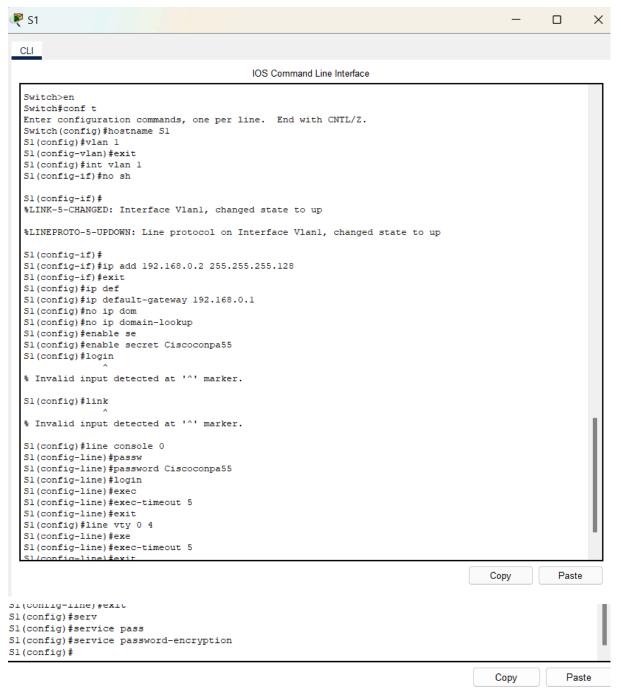
```
Rl(config-line) #exec-timeout 5
Rl(config-line) #exit
Rl(config) #sec
% Ambiguous command: "sec"
Rl(config) #login block-for 180 attempts 4 within 120
Rl(config) #
Rl(config) #
```

Сору

Paste

Setelah itu konfigurasi Switch

S1





CLI

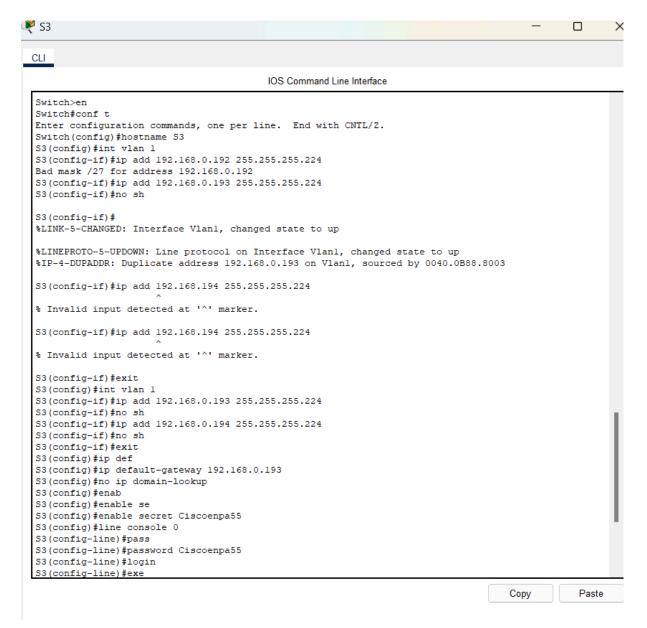
IOS Command Line Interface

```
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #hostname S2
S2(config) #int vlan 1
S2(config-if) #ip add 192.168.0.130 255.255.255.192
S2(config-if) #no sh
S2(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlanl, changed state to up
S2(config-if)#exit
S2(config) #ip def
S2(config) #ip default-gateway 192.168.0.129
S2(config)#ip domain-lookup
S2(config) #enable sec
S2(config) #enable secret Ciscoenpa55
S2(config) #line console 0
S2(config-line)#pass
S2(config-line) #password Ciscoconpa55
S2(config-line)#login
S2(config-line)#exit
S2(config)#exit
S2#
%SYS-5-CONFIG_I: Configured from console by console
S2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
S2(config) #line console 0
S2(config-line)#exe
S2(config-line) #exec-timeout 5
S2(config-line) #exit
S2(config) #line vty 0 4
S2(config-line)#exe
S2(config-line) #exec-timeout 5
S2(config-line)#exit
S2(config) #ser
S2(config) #service pass
S2 (config) #service password-encryption
S2(config)#
```

Сору

Paste

X



Ada kesalahan saat memasukan password

```
S3(config-line) #exec-timeout 5
S3(config-line) #exit
S3(config-line) #exe
S3(config-line) #exec-timeout 5
S3(config-line) #exec-timeout 5
S3(config-line) #exit
S3(config) #serv
S3(config) #service pass
S3(config) #service password-encryption
S3(config) #line console 0
S3(config-line) #pas
S3(config-line) #pas
S3(config-line) #password Ciscoconpa55
S3(config-line) #login
S3(config-line) #exit
S3(config) #
```

Сору

Paste

Tasknya sudah selesai semua

