

BASIC ROUTER

Topology (LAN -- ROUTER -- MODEM -- INET)

LAN : 192.168.0.0/24 (dhcp-client)

ROUTER : int f0/0 192.168.1.1/30 | int f1/0 192.168.0.1/24

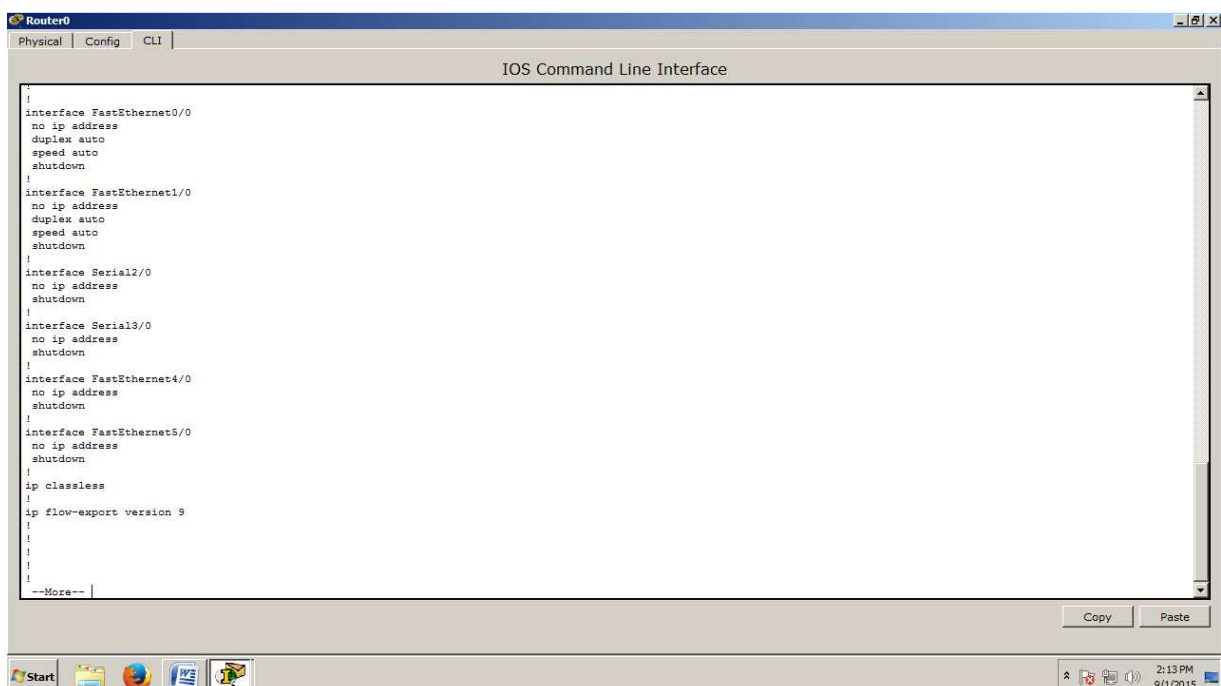
MODEM : 192.168.1.2/30

1. set password & hostname.

```
Router>enable
Router#configu
Router#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#enable password 1234
Router(config)#hostname raisea
raisea(config)#
```

2. cek konfigurasi yg berjalan.

```
raisea#
raisea#show running-config |
```



3. set ip interface fast ethernet 0/0.

```
raisa(config)#int f0/0
raisa(config-if)#ip address 192.168.1.1 255.255.255.252
raisa(config-if)#no shutdown

raisa(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
raisa(config-if)#|
```

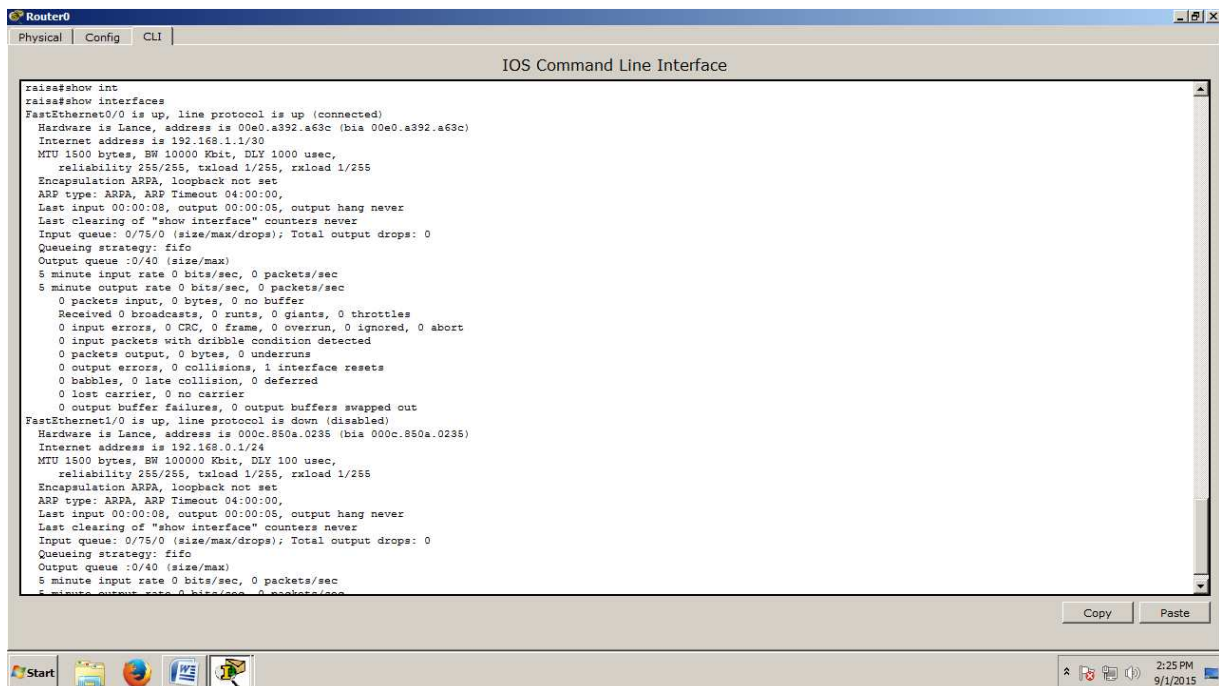
4. set ip interface fast ethernet 1/0.

```
raisa(config-if)#int f1/0
raisa(config-if)#ip address 192.168.0.1 255.255.255.0
raisa(config-if)#no shutdown

raisa(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

raisa(config-if)#|
```

5. cek interface.



6. set dhcp-server int f1/0.

```
raisa#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
raisa(config)#ip dhcp pool raisa
raisa(dhcp-config)#network 192.168.0.0 255.255.255.0
raisa(dhcp-config)#default-router 192.168.0.1
raisa(dhcp-config)#dns-server 8.8.8.8
raisa(dhcp-config)#
```

7. set NAT & default route.

```
raisa(config)#access-list 1 permit 192.168.0.0 192.168.0.255
raisa(config)#ip nat pool inet 192.168.1.0 192.168.1.3 netmask 255.255.255.252
raisa(config)#ip nat inside source list 1 pool inet overload
```

```
raisa(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.2
```

```
raisa(config)#int f0/0
raisa(config-if)#ip nat outside
raisa(config-if)#int f1/0
raisa(config-if)#ip nat inside
raisa(config-if)#
```

8. set name server.

```
raisa(config)#ip name-server 8.8.8.8
raisa(config)#
```

9. cek konfigurasi yg berjalan.

```
-----
raisa#show running-config
Building configuration...

Current configuration : 1087 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname raisa
!
!
enable password 1234
!
!
!
ip dhcp pool raisa
network 192.168.0.0 255.255.255.0
default-router 192.168.0.1
dns-server 8.8.8.8
!
!
!
ip cef
no ipv6 cef
!
```

Router0

Physical Config CLI

IOS Command Line Interface

```
!
ip name-server 8.8.8.8
!
!
!
!
!
!
!
!
!
interface FastEthernet0/0
ip address 192.168.1.1 255.255.255.252
ip nat outside
duplex auto
speed auto
!
interface FastEthernet1/0
ip address 192.168.0.1 255.255.255.0
ip nat inside
duplex auto
speed auto
!
interface Serial2/0
no ip address
shutdown
!
interface Serial3/0
no ip address
shutdown
!
interface FastEthernet4/0
no ip address
shutdown
!
interface FastEthernet5/0
no ip address
shutdown
!
--More--
```

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Router0

Physical Config CLI

IOS Command Line Interface

```
no ip address
shutdown
!
interface FastEthernet4/0
no ip address
shutdown
!
interface FastEthernet5/0
no ip address
shutdown
!
ip nat pool inet 192.168.1.0 192.168.1.3 netmask 255.255.255.252
ip nat inside source list 1 pool inet overload
ip classless

ip route 0.0.0.0 0.0.0.0 192.168.1.2
!
!
ip flow-export version 9
!
!
access-list 1 permit 0.0.0.0 192.168.0.255
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
!
!
end

raiss#
raiss#
raiss#
```

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Start

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