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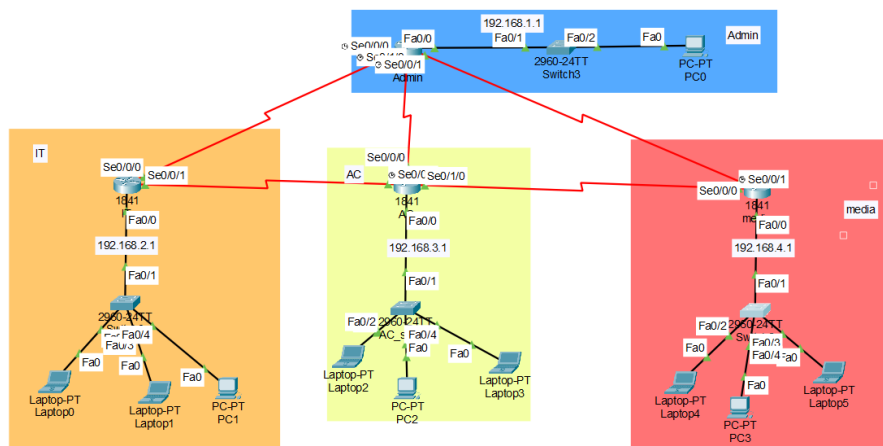
# FIANL-PROJECT

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**Check Video Simulation:** [https://drive.google.com/file/d/1-jSecWljj0HqH9\\_5lAGbKDPRvhhHsbQa/view?usp=drive\\_link](https://drive.google.com/file/d/1-jSecWljj0HqH9_5lAGbKDPRvhhHsbQa/view?usp=drive_link)

## Topology:



## Network IPs:

### Admin Router

se0/0/0 >> 12.0.0.1

se0/1/0 >> 13.0.0.1

se0/0/1 >> 14.0.0.1

fa0/0 >> 192.168.1.1

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### IT Router

se0/0/0 >> 12.0.0.2

se0/0/1 >> 15.0.0.1

fa0/0 >> 192.168.2.1

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### AC Router

se0/0/0 >> 13.0.0.2

se0/0/1 >> 15.0.0.2

se0/1/0 >> 16.0.0.1

fa0/0 >> 192.168.3.1

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## Media Router

se0/0/0 >> 14.0.0.2

se0/0/1 >> 16.0.0.2

fa0/0 >> 192.168.4.1

## Routing RIP:

The screenshot shows the Admin interface for a Media Router. The left sidebar contains a tree view with categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0, FastEthernet0/1, Serial0/0/0, Serial0/0/1, Serial0/1/0, Serial0/1/1). The 'RIP' option under ROUTING is selected. The main panel is titled 'RIP Routing' and has tabs for 'Physical', 'Config', 'CLI', and 'Attributes'. The 'Config' tab is active, showing a 'Network' section with an 'Add' button and a list of 'Network Address' entries: 12.0.0.0, 13.0.0.0, 14.0.0.0, 192.168.1.0, 192.168.2.0, 192.168.3.0, and 192.168.4.0. A 'Remove' button is at the bottom right. Below the network list is a section titled 'Equivalent IOS Commands' containing the following text:

```
Router(config)#router rip
Router(config-router)#network 12.0.0.0
Router(config-router)#network 13.0.0.0
Router(config-router)#network 14.0.0.0
Router(config-router)#network 192.168.1.0
Router(config-router)#network 192.168.2.0
Router(config-router)#network 192.168.3.0
Router(config-router)#network 192.168.4.0
Router(config-router)#
```

A 'Top' button is located at the bottom left of the main panel.

The screenshot shows the Admin interface for an AC (Access Controller). The left sidebar is similar to the Media Router, but the 'RIP' option under ROUTING is not selected. The main panel is titled 'RIP Routing' and has tabs for 'Physical', 'Config', 'CLI', and 'Attributes'. The 'Config' tab is active, showing a 'Network' section with an 'Add' button and a list of 'Network Address' entries: 13.0.0.0, 14.0.0.0, 15.0.0.0, 16.0.0.0, 192.168.1.0, 192.168.2.0, 192.168.3.0, and 192.168.4.0. A 'Remove' button is at the bottom right. Below the network list is a section titled 'Equivalent IOS Commands' containing the following text:

```
AC_Switch>enable
Password:
Password:
AC_Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
AC_Switch(config)#router rip
AC_Switch(config-router)#
```

A 'Top' button is located at the bottom left of the main panel.

media

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Serial0/1/0

Serial0/1/1

RIP Routing

Network

Network Address

13.0.0.0

14.0.0.0

15.0.0.0

16.0.0.0

192.168.1.0

192.168.2.0

192.168.3.0

192.168.4.0

Add

Remove

IT

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Serial0/1/0

Serial0/1/1

RIP Routing

Network

Network Address

12.0.0.0

15.0.0.0

16.0.0.0

192.168.1.0

192.168.2.0

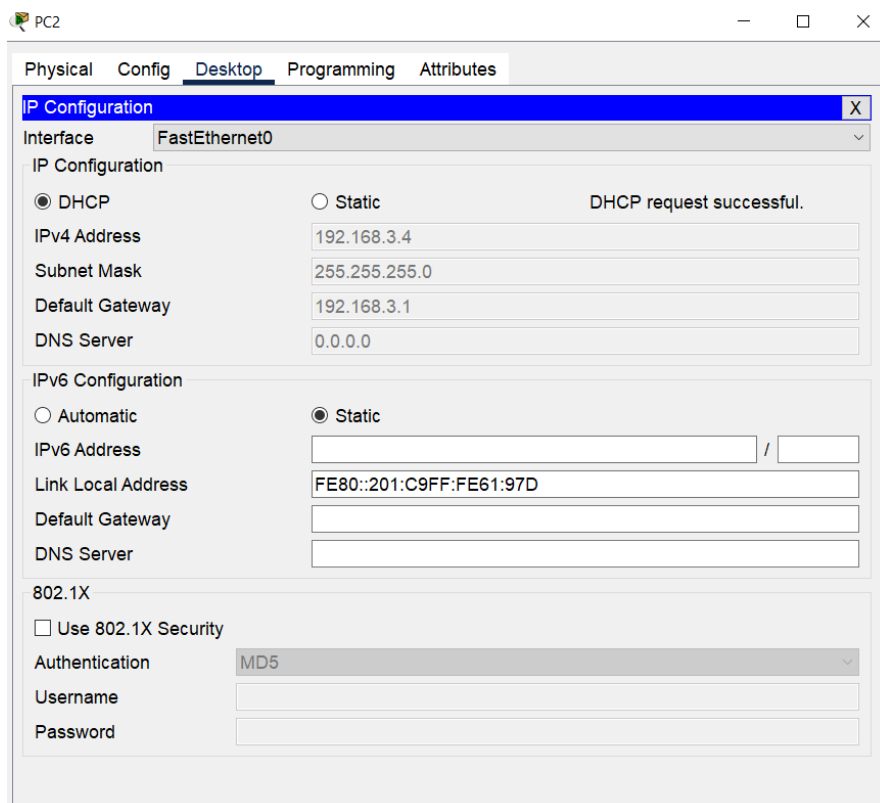
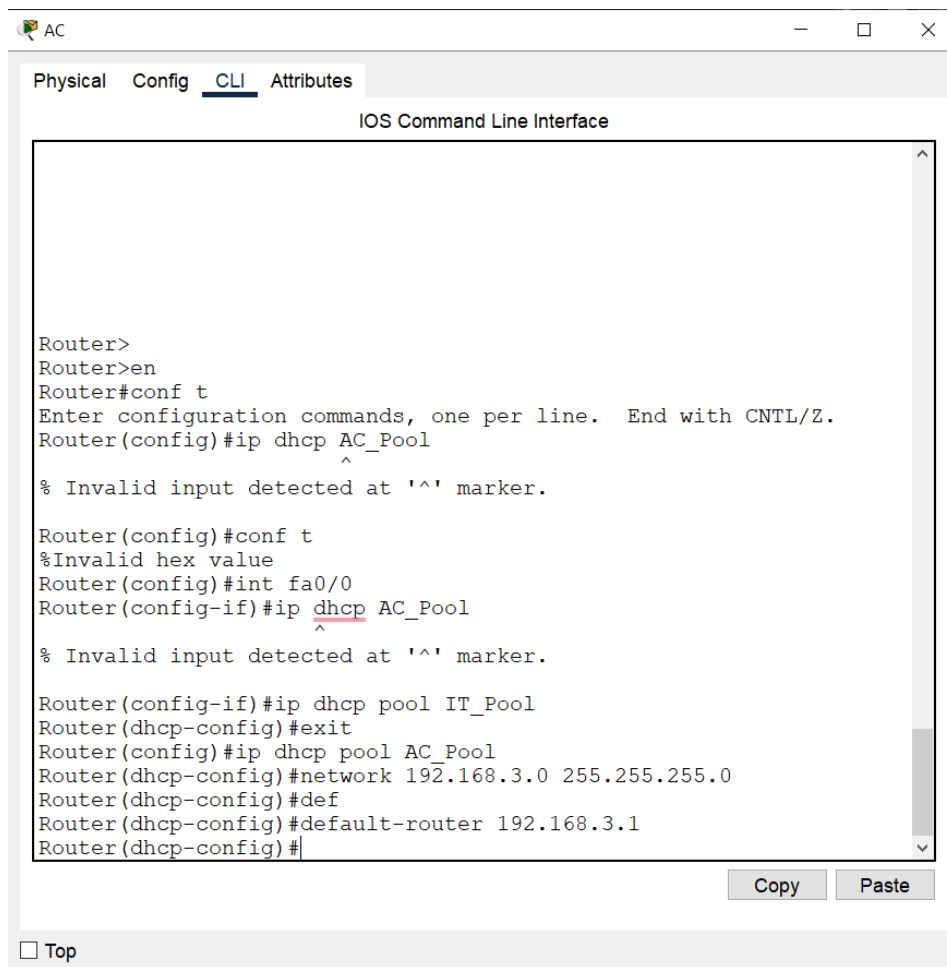
192.168.3.0

192.168.4.0

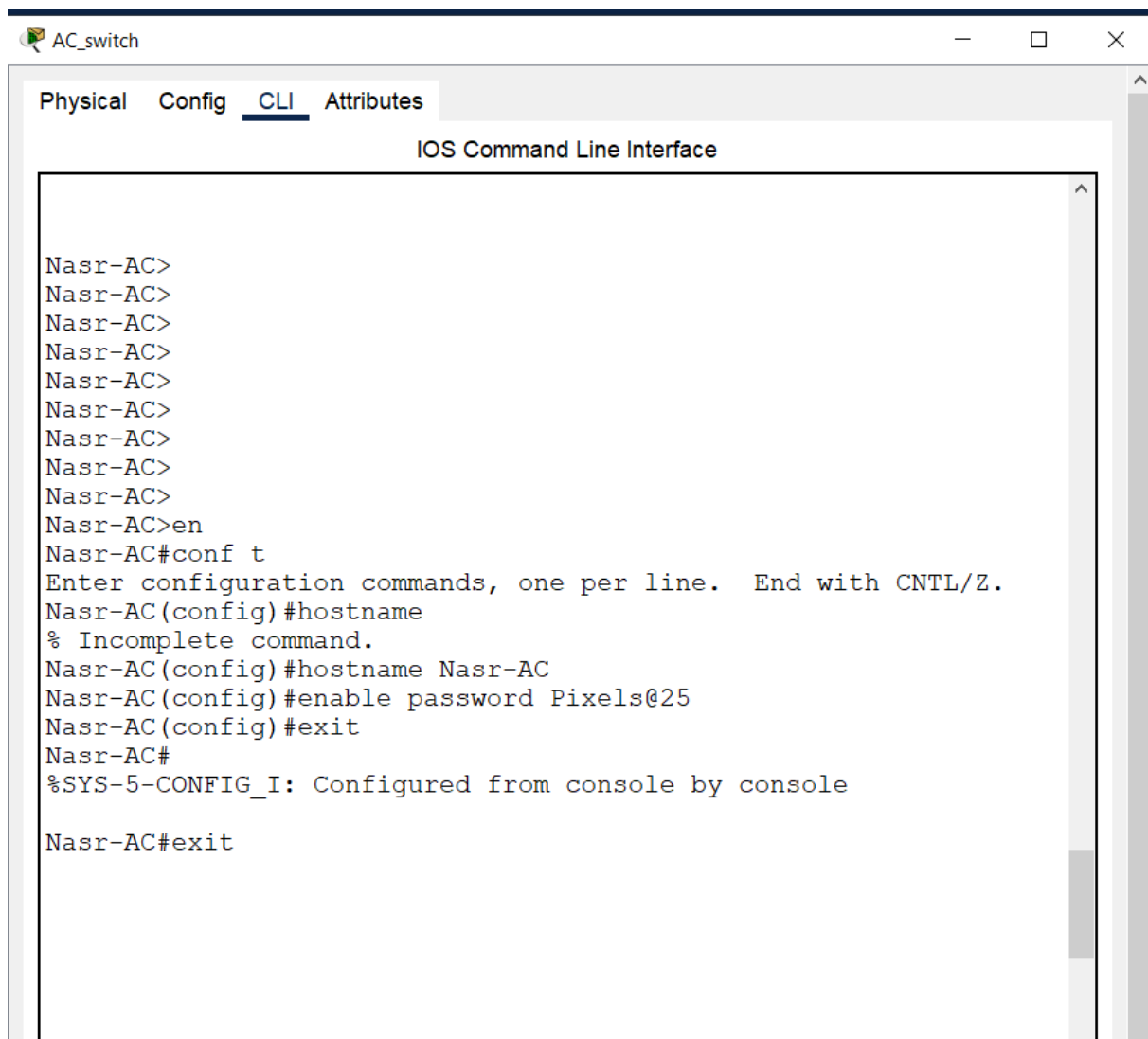
Add

Remove

# DHCP Configurations:



## Switches Configurations:



The screenshot shows a window titled "AC\_switch" with tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is selected, displaying the "IOS Command Line Interface". The terminal output shows the following sequence of commands and responses:

```
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>
Nasr-AC>en
Nasr-AC#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Nasr-AC(config)#hostname
% Incomplete command.
Nasr-AC(config)#hostname Nasr-AC
Nasr-AC(config)#enable password Pixels@25
Nasr-AC(config)#exit
Nasr-AC#
%SYS-5-CONFIG_I: Configured from console by console
Nasr-AC#exit
```

**AS The Same In Others Switches..**

**Password For Routers And Switches ➔ Pixels@25**

