



NATIONAL UNIVERSITY
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Sec: 5A

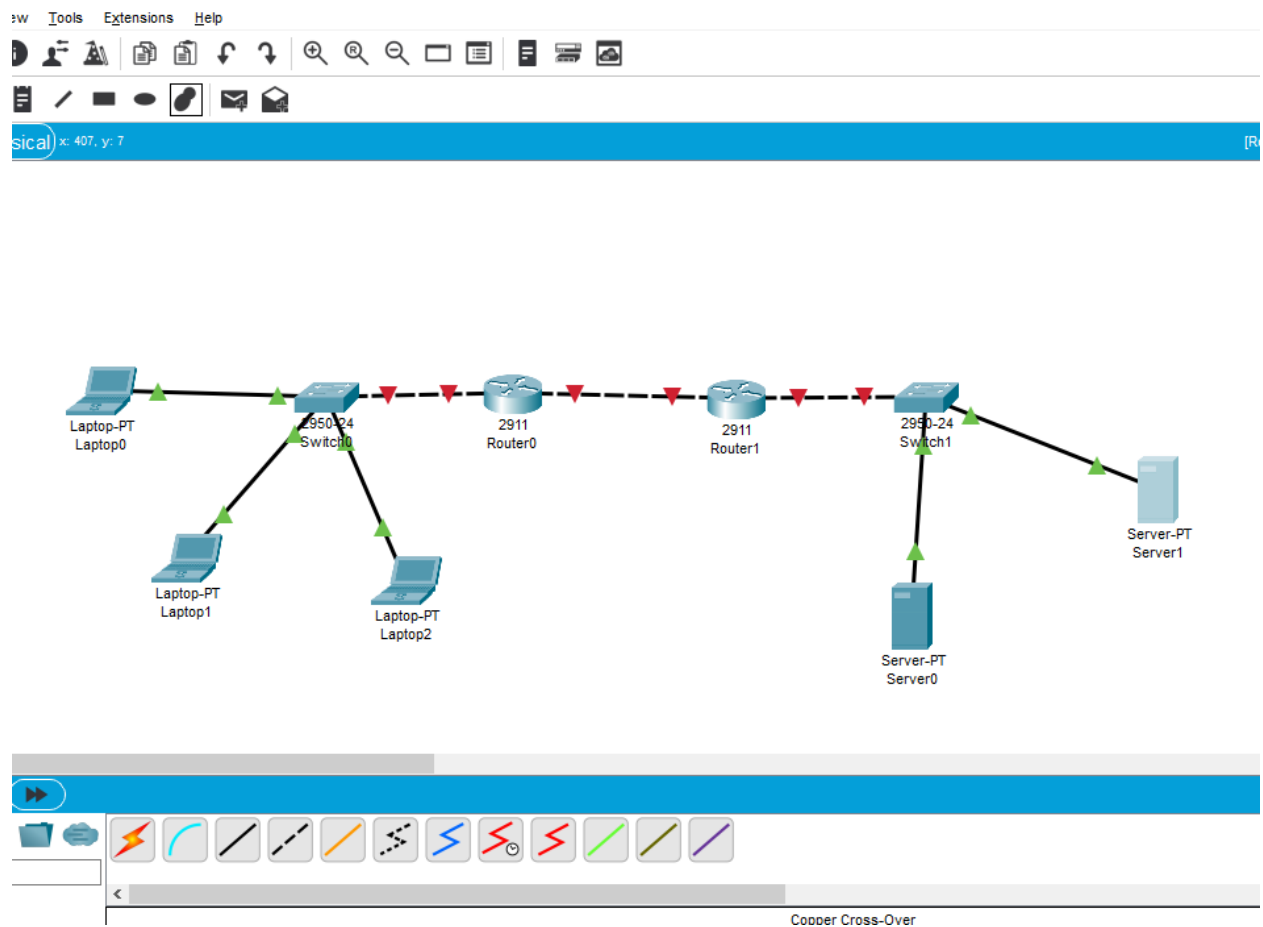
Roll no 20P-0646

Course: Computer Network LAB

LAB 13 TASKS

Submitted to Miss Hurmat Hidayat

Topology



Description:

We have first make a topology for two server with multiple users.

Configurations

The image shows a network diagram on the left and a configuration window for 'Laptop0' on the right. The diagram features a central switch labeled '2950-24 Switch0'. Two laptops are connected to it: 'Laptop-PT Laptop0' with IP address 192.168.1.2 and 'Laptop-PT Laptop1' with IP address 192.168.1.3. The configuration window for 'Laptop0' has tabs for 'Physical', 'Config', 'Desktop' (selected), 'Programming', and 'Attributes'. Under the 'Desktop' tab, the 'IP Configuration' section is active. It shows the 'Interface' as 'FastEthernet0'. The 'IP Configuration' section has two radio buttons: 'DHCP' (unselected) and 'Static' (selected). The 'Static' configuration includes the following fields: 'IP Address' (192.168.1.2), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.1.1), and 'DNS Server' (0.0.0.0). The 'IPv6 Configuration' section has three radio buttons: 'DHCP' (unselected), 'Auto Config' (unselected), and 'Static' (selected). The 'Static' configuration includes: 'IPv6 Address' (empty), 'Link Local Address' (FE80::201:43FF:FE29:4D46), 'IPv6 Gateway' (empty), and 'IPv6 DNS Server' (empty). The '802.1X' section has a checkbox for 'Use 802.1X Security' which is unchecked. At the bottom of the window is a 'Top' button.

327, y: 445

192.168.1.2

Laptop-PT Laptop0

192.168.1.3

Laptop-PT Laptop1

2950-24 Switch0

Laptop0

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::201:43FF:FE29:4D46

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

☐ Top

Description:

We have configure the PC first.

The screenshot displays a network configuration interface. On the left, a network diagram shows a switch (2950-24) connected to a laptop (Laptop-PT Laptop1) and a server (1.2). The IP address 192.168.1.3 is also visible. The main window is titled 'Router0' and has tabs for Physical, Config, CLI, and Attributes. The 'Config' tab is active, showing a tree view on the left with categories: GLOBAL, ROUTING, SWITCHING, and INTERFACE. The 'INTERFACE' category is expanded, showing 'GigabitEthernet0/0' selected. The right pane shows the configuration for 'GigabitEthernet0/0' with the following settings:

GigabitEthernet0/0	
Port Status	
Bandwidth	<input checked="" type="radio"/> 1000 Mbps <input type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps
Duplex	<input checked="" type="radio"/> Half Duplex <input type="radio"/> Full Duplex
MAC Address	0005.5E05.C201
IP Configuration	
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
Tx Ring Limit	
	10

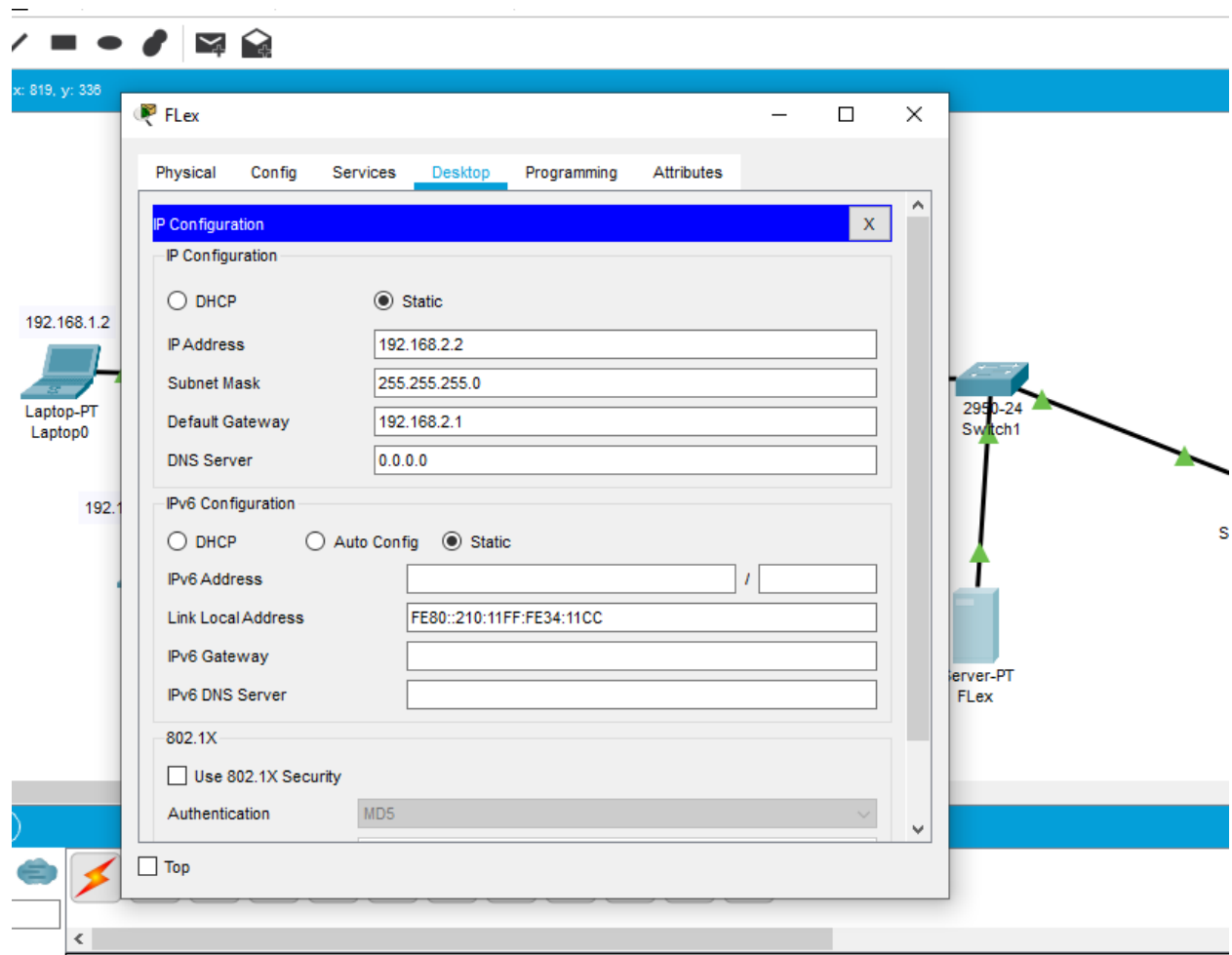
Below the configuration pane is a section titled 'Equivalent IOS Commands' containing the following commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
```

At the bottom left of the configuration pane, there is a 'Top' button.

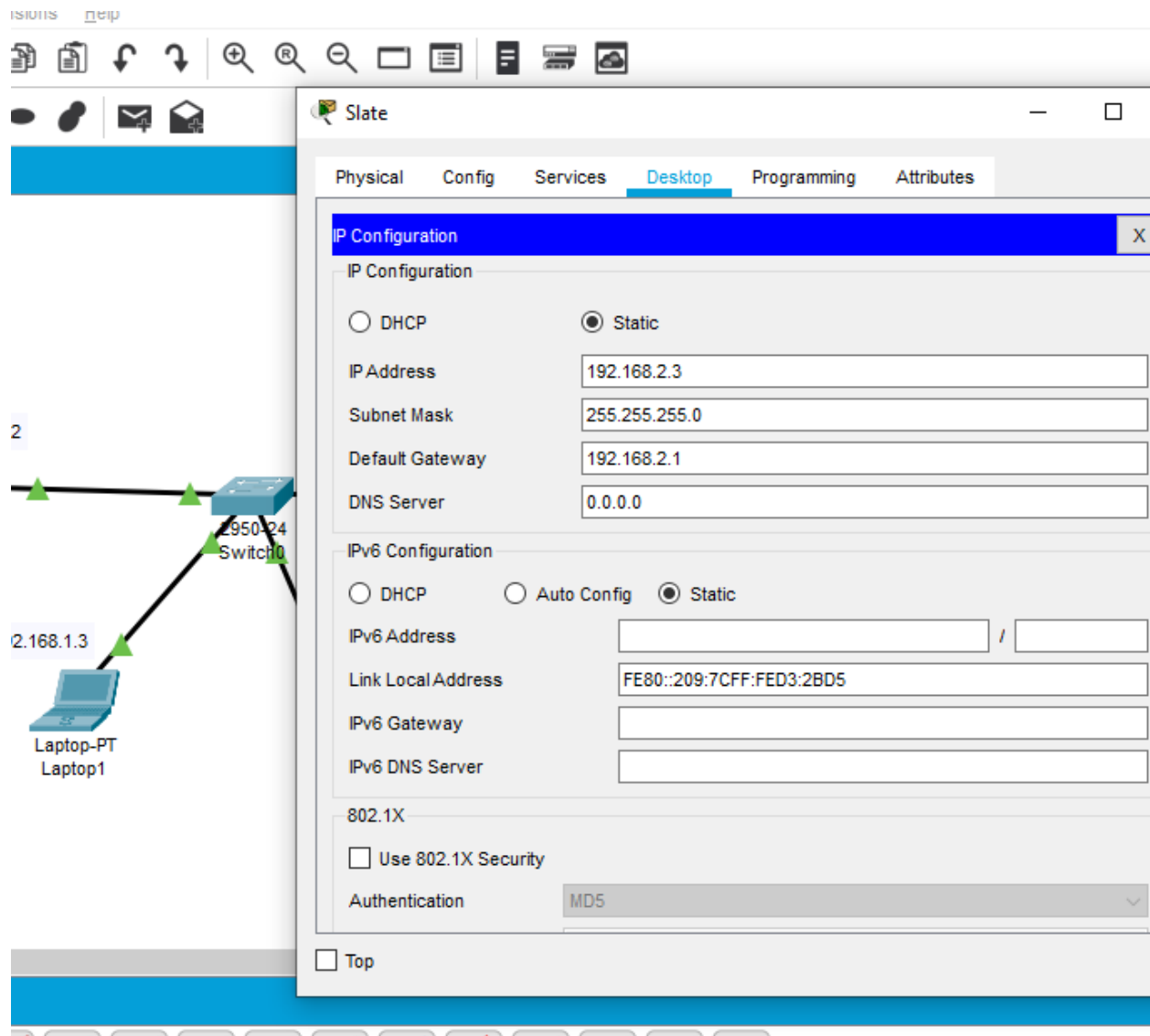
Description:

We have configure the router.



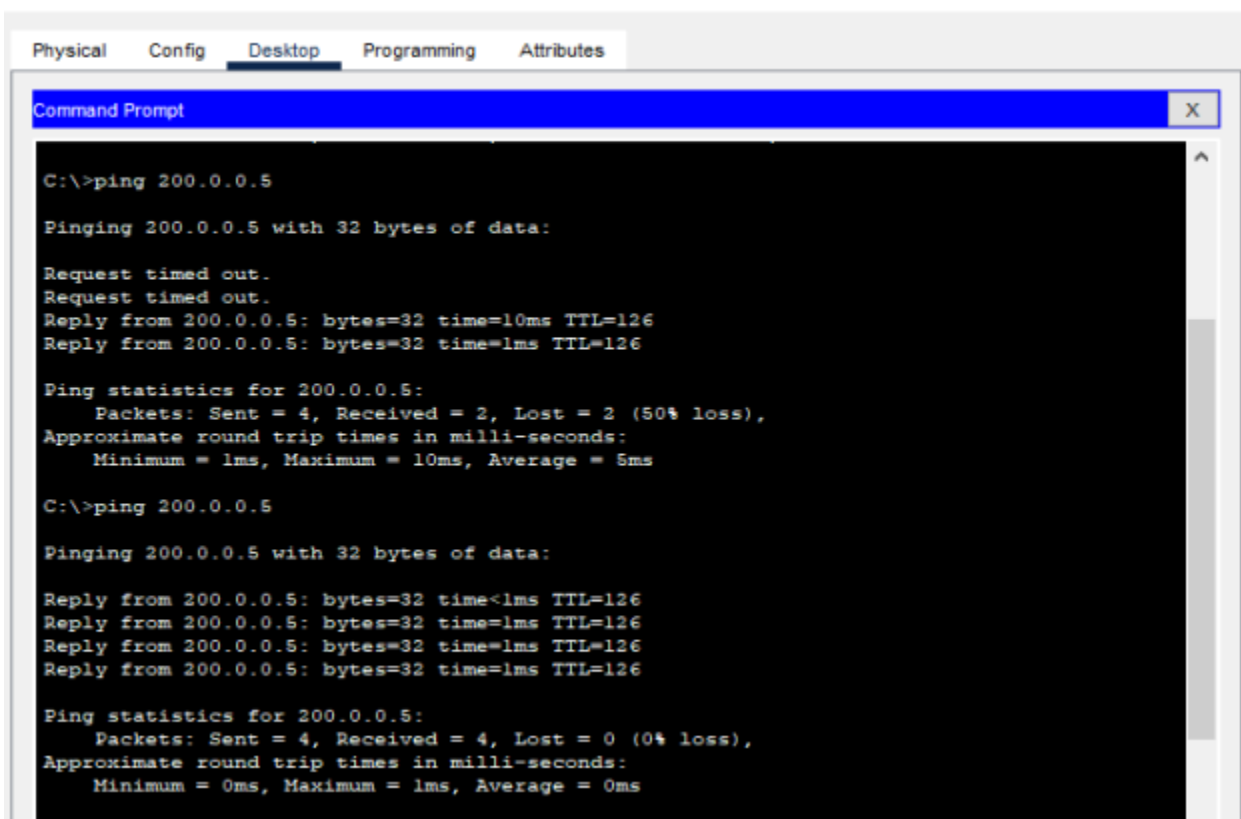
Description:

We have configure the server name flex.



Description:

We have configure the server name slate.



```
Physical  Config  Desktop  Programming  Attributes

Command Prompt

C:\>ping 200.0.0.5

Pinging 200.0.0.5 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 200.0.0.5: bytes=32 time=10ms TTL=126
Reply from 200.0.0.5: bytes=32 time=1ms TTL=126

Ping statistics for 200.0.0.5:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 10ms, Average = 5ms

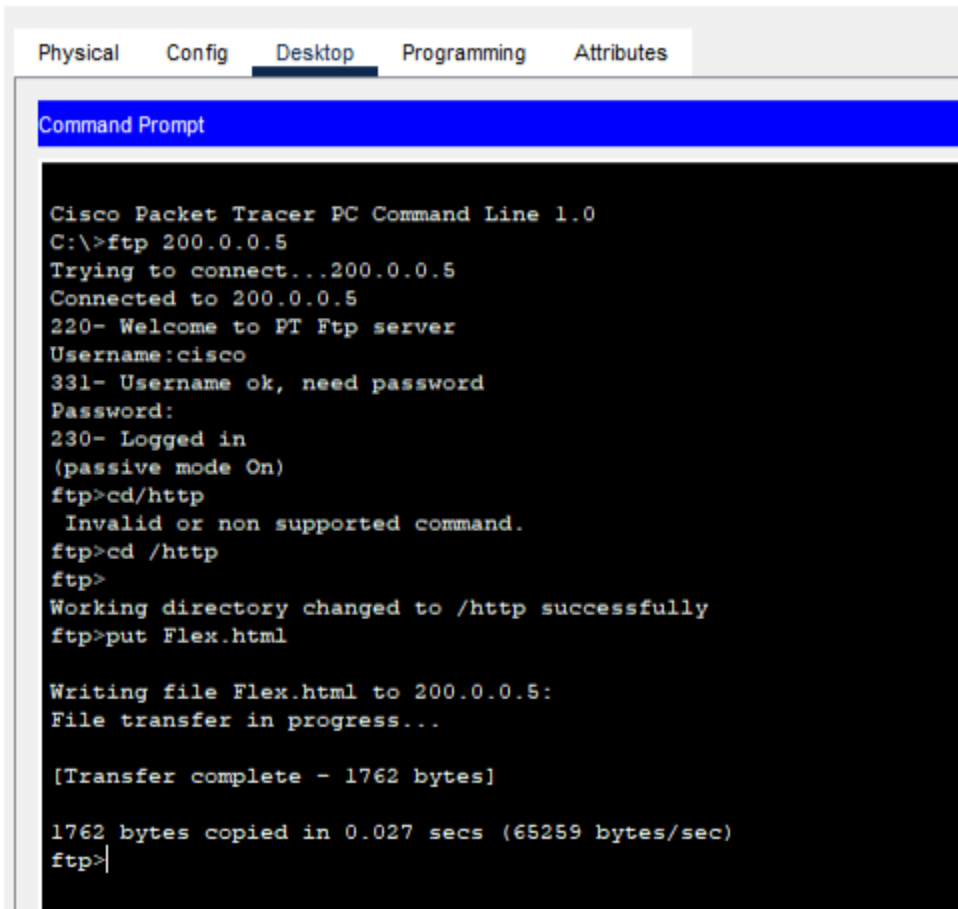
C:\>ping 200.0.0.5

Pinging 200.0.0.5 with 32 bytes of data:

Reply from 200.0.0.5: bytes=32 time<1ms TTL=126
Reply from 200.0.0.5: bytes=32 time=1ms TTL=126
Reply from 200.0.0.5: bytes=32 time=1ms TTL=126
Reply from 200.0.0.5: bytes=32 time=1ms TTL=126

Ping statistics for 200.0.0.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Laptop2



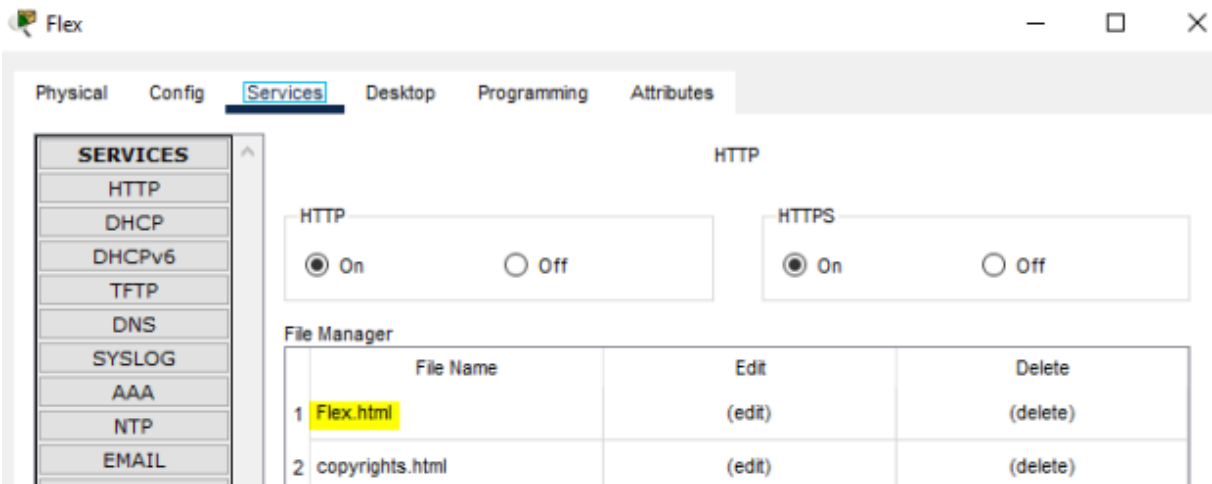
The image shows the 'Desktop' tab of a Cisco Packet Tracer interface. A 'Command Prompt' window is open, displaying the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ftp 200.0.0.5
Trying to connect...200.0.0.5
Connected to 200.0.0.5
220- Welcome to PT Ftp server
Username:cisco
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>cd/http
Invalid or non supported command.
ftp>cd /http
ftp>
Working directory changed to /http successfully
ftp>put Flex.html

Writing file Flex.html to 200.0.0.5:
File transfer in progress...

[Transfer complete - 1762 bytes]

1762 bytes copied in 0.027 secs (65259 bytes/sec)
ftp>|
```

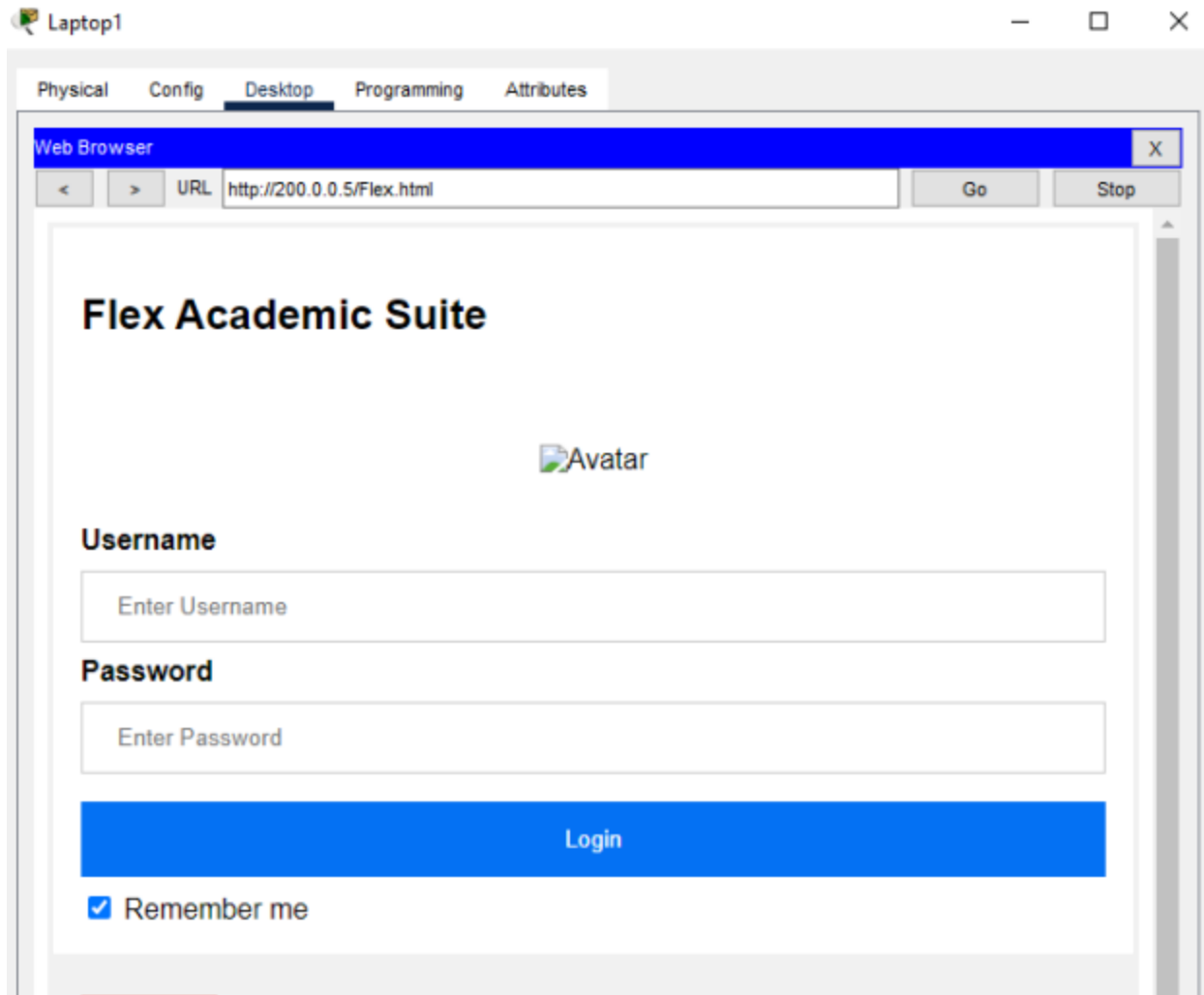


The image shows the 'Services' tab of a Cisco Packet Tracer interface. The 'HTTP' service is enabled (radio button selected). The 'HTTPS' service is also enabled (radio button selected). Below the service settings, there is a 'File Manager' table.

	File Name	Edit	Delete
1	Flex.html	(edit)	(delete)
2	copyrights.html	(edit)	(delete)

Description:

Creating file & putting it on Flex Server.



Description:

Doing the last testing. Click Laptop1 and click Desktop and click Web Browser and access the IP 200.0.0.5