

Final Project Report

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C.1

8)

Campus CIU:

14 switches: 6 de 10 puertos y 8 de 24 puertos.

1 router de tipo PT-Empty

225 PC's: 150 para students, 34 para teachers, 28 para secretary, 12 para management y 1 para hacer de consola al Router.

2 portatiles de estudiantes conectados al Accespoint

2 Servidores: 1 servidor FTP y 1 servidor DHCP.

1 AccesPoint.

Campus MAR:

6 switches de 10 puertos.

1 Router de tipo PT-Empty

37 PC's: 20 de students, 7 de teachers, 2 de secretary y 8 de management.

1 servidor DNS.

Campus COM:

11 switches: 5 de 10 puertos y 6 de 24 puertos.

1 router de tipo PT-Empty

145 PC's: 100 para students, 27 para teachers, 13 para secretay y 5 para management.

2 portatiles de estudiantes conectados via AccesPoint.

2 servidores: 1 WebServer y 1 servidor DHCP.

1 AccesPoint.

Private Closet:

4 Pc's: 2 para exámenes y 2 para patents.

2 Servidores: 1 Servidor para exámenes y otro para patents.

1 Switch de 10 puertos

Entre COM y MAR:

1 Hub.

C.3

12)

Net	Name	Range	@Network	@Broadcast	@First host	@Last host
1	CIU	10.6.0.0-10.6.0.255	10.6.0.0/24	10.6.0.255	10.6.0.1	10.6.0.254
2	COM	10.6.1.0-10.6.1.255	10.6.1.0/24	10.6.1.255	10.6.1.1	10.6.1.254
3	MAR	10.6.2.0-10.6.2.63	10.6.2.0/26	10.6.2.63	10.6.2.1	10.6.2.62
4	CIU-COM	10.6.2.64-10.6.2.67	10.6.2.64/30	10.6.2.67	10.6.2.65	10.6.2.66
5	COM-MAR	10.6.2.68-10.6.2.71	10.6.2.68/30	10.6.2.71	10.6.2.69	10.6.2.68
6	MAR-CIU	10.6.2.72-10.6.2.75	10.6.2.72/30	10.6.2.75	10.6.2.73	10.6.2.74
7	Private Closet	192.168.1.0-192.168.1.7	192.168.1.0/29	192.168.1.7	192.168.1.1	192.168.1.6

15)

```
PC_AUX
Physical Config Desktop Programming Attributes
Terminal
% Please choose a password that is different from the enable secret
Enter enable password: Passwordrouter

The virtual terminal password is used to protect
access to the router over a network interface.
Enter virtual terminal password: password
Configure SNMP Network Management? [no]:no

Current interface summary
Interface      IP-Address      OK? Method Status      Protocol
GigabitEthernet6/0    unassigned      YES manual administratively down down
GigabitEthernet7/0    unassigned      YES manual administratively down down
FastEthernet9/0       unassigned      YES manual administratively down down

Enter interface name used to connect to the
management network from the above interface summary: g6/0
Invalid interface
Enter interface name used to connect to the
management network from the above interface summary: GigabitEthernet6/0

Configuring interface GigabitEthernet6/0:
Configure IP on this interface? [yes]: yes
IP address for this interface: 10.6.2.73
Subnet mask for this interface [255.0.0.0] : 255.255.255.252

The following configuration command script was created:
!
hostname Router_CIU
enable secret 5 $1$mERr$gwXSvMH7Tx2cALfeD6RUf/
enable password Passwordrouter
line vty 0 4
password password
!
interface GigabitEthernet6/0
no shutdown
ip address 10.6.2.73 255.255.255.252
!
interface GigabitEthernet7/0
shutdown
no ip address
!
interface FastEthernet9/0
shutdown
no ip address
!
end

[0] Go to the IOS command prompt without saving this config.
[1] Return back to the setup without saving this config.
[2] Save this configuration to nvram and exit.

Enter your selection [2]: 2
Building configuration...
[OK]
Use the enabled mode 'configure' command to modify this configuration.

Press RETURN to get started!

%LINK-5-CHANGED: Interface GigabitEthernet6/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet6/0, changed state to up
%LINK-5-CHANGED: Interface GigabitEthernet7/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet7/0, changed state to up
%LINK-5-CHANGED: Interface FastEthernet9/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/0, changed state to up
%LINK-5-CHANGED: Interface GigabitEthernet7/0, changed state to administratively down
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet7/0, changed state to down
%LINK-5-CHANGED: Interface FastEthernet9/0, changed state to administratively down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/0, changed state to down
%SYS-5-CONFIG_I: Configured from console by console
```

Repetimos este proceso hasta configurar todas las interfaces.