

**DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

**Subject :** System and network administration

**Topic :** University campus management system

**Group Members :**

Mustufa Mansoor Ali(IT-05-2020)

Ahmed Raza (IT-030-2020)

Muhammad Zaid (IT-040-2020)

**INTRODUCTION:** The world is changing rapidly, schools, colleges and universities are moving more and more towards an online system ensuring the security of their staff and learner’s information is by far the biggest perk. But the addition of being able to optimize speed, bandwidth and optimize performance will make everyone’s lives a bit easier. IT departments will have the ability to monitor and protect all times, making for a more fluid educational experience on both ends. Many universities have already begun investing in these systems, and it won’t be long until it is a standard set across the educational industry.

**3 Perks of Network management on a university campus:**

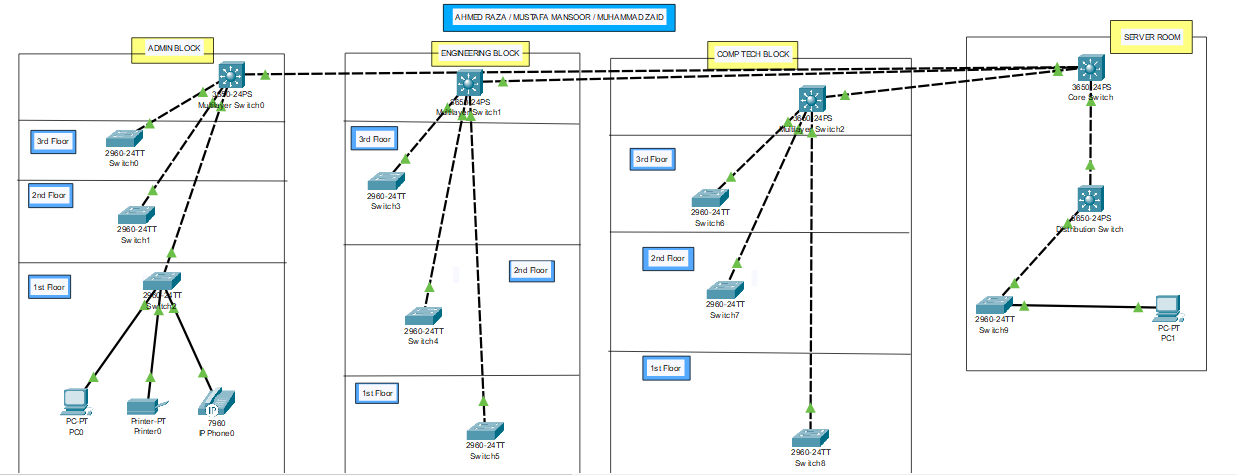
* Increased security and visibility
* Performance improvement through virtual tracking
* Ability to monitor bandwidth needs continually.

**Types of devices used:** We used multiple types of devices which are as follows:

1. PC’s
2. Access switch
3. Distribution switch
4. Core switch
5. Printer
6. IP Phone
7. Firewall

**Conclusion:** These systems firmly in place can aid IT teams on university campuses worldwide, ensuring that the learners and faculty have the bandwidth and performance needed to complete their work. These teams will monitor the university’s and help install these systems, ensuring the networks are safe and working at the highest level.

**TOPOLOGY:**



**CONFIGURATION:**

* Vlan
* Trunk
* Talnet
* SSH

**ADMIN BLOCK:**

**First Floor: SW2**

A-M-Z-ADMIN-BL-ASW1F>en

Password:

A-M-Z-ADMIN-BL-ASW1F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ADMIN-BL-ASW1F(config)#Vlan 10

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#name IPCamera

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#Vlan 20

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#name IPPhone

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#Vlan 30

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#name Data

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#Vlan 123

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#name ManagementVLAN

A-M-Z-ADMIN-BL-ASW1F(config-vlan)#exit

A-M-Z-ADMIN-BL-ASW1F(config)#interface gig0/1

A-M-Z-ADMIN-BL-ASW1F(config-if)#switchport mode trunk

A-M-Z-ADMIN-BL-ASW1F(config-if)#exitinterface gig0/1

A-M-Z-ADMIN-BL-ASW1F(config-if)#switchport mode trunk

A-M-Z-ADMIN-BL-ASW1F(config-if)#exit

A-M-Z-ADMIN-BL-ASW1F(config)#interface gig0/1

A-M-Z-ADMIN-BL-ASW1F(config-if)#switchport mode trunk

A-M-Z-ADMIN-BL-ASW1F(config-if)#exit

A-M-Z-ADMIN-BL-ASW1F(config)#

A-M-Z-ADMIN-BL-ASW1F(config)#line vty 0 15

A-M-Z-ADMIN-BL-ASW1F(config-line)#pass 123

A-M-Z-ADMIN-BL-ASW1F(config-line)#login

A-M-Z-ADMIN-BL-ASW1F(config-line)#exit

A-M-Z-ADMIN-BL-ASW1F(config)#enable secret 123

A-M-Z-ADMIN-BL-ASW1F(config)#exit

A-M-Z-ADMIN-BL-ASW1F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ADMIN-BL-ASW1F#copy running-

A-M-Z-ADMIN-BL-ASW1F#copy running-config st

A-M-Z-ADMIN-BL-ASW1F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ADMIN-BL-ASW1F#

**Second Floor: SW1**

A-M-Z-ADMIN-BL-ASW2F>en

Password:

A-M-Z-ADMIN-BL-ASW2F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ADMIN-BL-ASW2F(config)#Vlan 10

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#name IPCamera

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#Vlan 20

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#name IPPhone

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#Vlan 30

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#name Data

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#Vlan 123

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#name ManagementVLAN

A-M-Z-ADMIN-BL-ASW2F(config-vlan)#exit

A-M-Z-ADMIN-BL-ASW2F(config)#

A-M-Z-ADMIN-BL-ASW2F(config)#interface vlan 123

A-M-Z-ADMIN-BL-ASW2F(config-if)#

A-M-Z-ADMIN-BL-ASW2F(config-if)#ip address 192.168.123.2 255.0.0.0

A-M-Z-ADMIN-BL-ASW2F(config-if)#ex

A-M-Z-ADMIN-BL-ASW2F(config)#

A-M-Z-ADMIN-BL-ASW2F(config)#interface gig0/1

A-M-Z-ADMIN-BL-ASW2F(config-if)#switchport mode trunk

A-M-Z-ADMIN-BL-ASW2F(config-if)#exit

A-M-Z-ADMIN-BL-ASW2F(config)#

A-M-Z-ADMIN-BL-ASW2F(config)#line vty 0 15

A-M-Z-ADMIN-BL-ASW2F(config-line)#pass 123

A-M-Z-ADMIN-BL-ASW2F(config-line)#login

A-M-Z-ADMIN-BL-ASW2F(config-line)#exit

A-M-Z-ADMIN-BL-ASW2F(config)#enable secret 123

A-M-Z-ADMIN-BL-ASW2F(config)#exit

A-M-Z-ADMIN-BL-ASW2F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ADMIN-BL-ASW2F#copy running-

A-M-Z-ADMIN-BL-ASW2F#copy running-config st

A-M-Z-ADMIN-BL-ASW2F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ADMIN-BL-ASW2F#

**Third Floor: SW0**

A-M-Z-ADMIN-BL-ASW3F>en

Password:

A-M-Z-ADMIN-BL-ASW3F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ADMIN-BL-ASW3F(config)#Vlan 10

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#name IPCamera

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#Vlan 20

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#name IPPhone

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#Vlan 30

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#name Data

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#Vlan 123

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#name ManagementVLAN

A-M-Z-ADMIN-BL-ASW3F(config-vlan)#exit

A-M-Z-ADMIN-BL-ASW3F(config)#

A-M-Z-ADMIN-BL-ASW3F(config)#interface vlan 123

A-M-Z-ADMIN-BL-ASW3F(config-if)#ip addr

A-M-Z-ADMIN-BL-ASW3F(config-if)#ip address 192.168.123.3 255.255.255.0

A-M-Z-ADMIN-BL-ASW3F(config-if)#

A-M-Z-ADMIN-BL-ASW3F(config-if)#interface gig0/1

A-M-Z-ADMIN-BL-ASW3F(config-if)#switchport mode trunk

A-M-Z-ADMIN-BL-ASW3F(config-if)#exit

A-M-Z-ADMIN-BL-ASW3F(config)#

A-M-Z-ADMIN-BL-ASW3F(config)#line vty 0 15

A-M-Z-ADMIN-BL-ASW3F(config-line)#pass 123

A-M-Z-ADMIN-BL-ASW3F(config-line)#login

A-M-Z-ADMIN-BL-ASW3F(config-line)#exit

A-M-Z-ADMIN-BL-ASW3F(config)#enable secret 123

A-M-Z-ADMIN-BL-ASW3F(config)#exit

A-M-Z-ADMIN-BL-ASW3F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ADMIN-BL-ASW3F#cop

A-M-Z-ADMIN-BL-ASW3F#copy r

A-M-Z-ADMIN-BL-ASW3F#copy running-config st

A-M-Z-ADMIN-BL-ASW3F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ADMIN-BL-ASW3F#

**ADMIN DIST SW:**

A-M-Z-ADMIN-BL-DSW01>en

Password:

A-M-Z-ADMIN-BL-DSW01#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ADMIN-BL-DSW01(config)#Vlan 10

A-M-Z-ADMIN-BL-DSW01(config-vlan)#name IPCamera

A-M-Z-ADMIN-BL-DSW01(config-vlan)#Vlan 20

A-M-Z-ADMIN-BL-DSW01(config-vlan)#name IPPhone

A-M-Z-ADMIN-BL-DSW01(config-vlan)#Vlan 30

A-M-Z-ADMIN-BL-DSW01(config-vlan)#name Data

A-M-Z-ADMIN-BL-DSW01(config-vlan)#Vlan 123

A-M-Z-ADMIN-BL-DSW01(config-vlan)#name ManagementVLAN

A-M-Z-ADMIN-BL-DSW01(config-vlan)#exit

A-M-Z-ADMIN-BL-DSW01(config)#

A-M-Z-ADMIN-BL-DSW01(config)#ex

A-M-Z-ADMIN-BL-DSW01#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ADMIN-BL-DSW01#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ADMIN-BL-DSW01(config)#interface vlan 123

A-M-Z-ADMIN-BL-DSW01(config-if)#ip address 192.168.123.4 255.255.255.0

A-M-Z-ADMIN-BL-DSW01(config-if)#ex

A-M-Z-ADMIN-BL-DSW01(config)#

A-M-Z-ADMIN-BL-DSW01(config)#interface gig1/0/24

A-M-Z-ADMIN-BL-DSW01(config-if)#switchport mode trunk

A-M-Z-ADMIN-BL-DSW01(config-if)#exit

A-M-Z-ADMIN-BL-DSW01(config)#

A-M-Z-ADMIN-BL-DSW01(config)#line vty 0 15

A-M-Z-ADMIN-BL-DSW01(config-line)#pass 123

A-M-Z-ADMIN-BL-DSW01(config-line)#login

A-M-Z-ADMIN-BL-DSW01(config-line)#exit

A-M-Z-ADMIN-BL-DSW01(config)#enable secret 123

A-M-Z-ADMIN-BL-DSW01(config)#exit

A-M-Z-ADMIN-BL-DSW01#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ADMIN-BL-DSW01#copy r

A-M-Z-ADMIN-BL-DSW01#copy running-config st

A-M-Z-ADMIN-BL-DSW01#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ADMIN-BL-DSW01#

**ENGINEERING BLOCK:**

**First Floor: SW5**

A-M-Z-ENG-BL-ASW1F>en

Password:

A-M-Z-ENG-BL-ASW1F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ENG-BL-ASW1F(config)#Vlan 10

A-M-Z-ENG-BL-ASW1F(config-vlan)#name IPCamera

A-M-Z-ENG-BL-ASW1F(config-vlan)#Vlan 20

A-M-Z-ENG-BL-ASW1F(config-vlan)#name IPPhone

A-M-Z-ENG-BL-ASW1F(config-vlan)#Vlan 30

A-M-Z-ENG-BL-ASW1F(config-vlan)#name Data

A-M-Z-ENG-BL-ASW1F(config-vlan)#Vlan 123

A-M-Z-ENG-BL-ASW1F(config-vlan)#name ManagementVLAN

A-M-Z-ENG-BL-ASW1F(config-vlan)#exit

A-M-Z-ENG-BL-ASW1F(config)#

A-M-Z-ENG-BL-ASW1F(config)#interface vlan 123

A-M-Z-ENG-BL-ASW1F(config-if)#ip address 192.168.123.5 255.255.255.0

A-M-Z-ENG-BL-ASW1F(config-if)#

A-M-Z-ENG-BL-ASW1F(config-if)#ex

A-M-Z-ENG-BL-ASW1F(config)#

A-M-Z-ENG-BL-ASW1F(config)#interface gig0/1

A-M-Z-ENG-BL-ASW1F(config-if)#switchport mode trunk

A-M-Z-ENG-BL-ASW1F(config-if)#exit

A-M-Z-ENG-BL-ASW1F(config)#

A-M-Z-ENG-BL-ASW1F(config)#line vty 0 15

A-M-Z-ENG-BL-ASW1F(config-line)#pass 123

A-M-Z-ENG-BL-ASW1F(config-line)#login

A-M-Z-ENG-BL-ASW1F(config-line)#exit

A-M-Z-ENG-BL-ASW1F(config)#enable secret 123

A-M-Z-ENG-BL-ASW1F(config)#exit

A-M-Z-ENG-BL-ASW1F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ENG-BL-ASW1F#cop

A-M-Z-ENG-BL-ASW1F#copy r

A-M-Z-ENG-BL-ASW1F#copy running-config st

A-M-Z-ENG-BL-ASW1F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ENG-BL-ASW1F#

**Second Floor: SW4**

A-M-Z-ENG-BL-ASW2F>enable

Password:

Password:

A-M-Z-ENG-BL-ASW2F#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ENG-BL-ASW2F(config)#interface FastEthernet0/1

A-M-Z-ENG-BL-ASW2F(config-if)#

A-M-Z-ENG-BL-ASW2F(config-if)#exit

A-M-Z-ENG-BL-ASW2F(config)#

A-M-Z-ENG-BL-ASW2F(config)#

A-M-Z-ENG-BL-ASW2F(config)#Vlan 10

A-M-Z-ENG-BL-ASW2F(config-vlan)#name IPCamera

A-M-Z-ENG-BL-ASW2F(config-vlan)#Vlan 20

A-M-Z-ENG-BL-ASW2F(config-vlan)#name IPPhone

A-M-Z-ENG-BL-ASW2F(config-vlan)#Vlan 30

A-M-Z-ENG-BL-ASW2F(config-vlan)#name Data

A-M-Z-ENG-BL-ASW2F(config-vlan)#Vlan 123

A-M-Z-ENG-BL-ASW2F(config-vlan)#name ManagementVLAN

A-M-Z-ENG-BL-ASW2F(config-vlan)#exit

A-M-Z-ENG-BL-ASW2F(config)#

A-M-Z-ENG-BL-ASW2F(config)#interface vlan 123

A-M-Z-ENG-BL-ASW2F(config-if)#ip address 192.168.123.6 255.255.255.0

A-M-Z-ENG-BL-ASW2F(config-if)#ex

A-M-Z-ENG-BL-ASW2F(config)#

A-M-Z-ENG-BL-ASW2F(config)#interface gig0/1

A-M-Z-ENG-BL-ASW2F(config-if)#switchport mode trunk

A-M-Z-ENG-BL-ASW2F(config-if)#exit

A-M-Z-ENG-BL-ASW2F(config)#

A-M-Z-ENG-BL-ASW2F(config)#line vty 0 15

A-M-Z-ENG-BL-ASW2F(config-line)#pass 123

A-M-Z-ENG-BL-ASW2F(config-line)#login

A-M-Z-ENG-BL-ASW2F(config-line)#exit

A-M-Z-ENG-BL-ASW2F(config)#enable secret 123

A-M-Z-ENG-BL-ASW2F(config)#exit

A-M-Z-ENG-BL-ASW2F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ENG-BL-ASW2F#copy runn

A-M-Z-ENG-BL-ASW2F#copy running-config st

A-M-Z-ENG-BL-ASW2F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ENG-BL-ASW2F#

**Third Floor: SW3**

A-M-Z-ENG-BL-ASW3F>en

Password:

A-M-Z-ENG-BL-ASW3F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ENG-BL-ASW3F(config)#Vlan 10

A-M-Z-ENG-BL-ASW3F(config-vlan)#name IPCamera

A-M-Z-ENG-BL-ASW3F(config-vlan)#Vlan 20

A-M-Z-ENG-BL-ASW3F(config-vlan)#name IPPhone

A-M-Z-ENG-BL-ASW3F(config-vlan)#Vlan 30

A-M-Z-ENG-BL-ASW3F(config-vlan)#name Data

A-M-Z-ENG-BL-ASW3F(config-vlan)#Vlan 123

A-M-Z-ENG-BL-ASW3F(config-vlan)#name ManagementVLAN

A-M-Z-ENG-BL-ASW3F(config-vlan)#exit

A-M-Z-ENG-BL-ASW3F(config)#

A-M-Z-ENG-BL-ASW3F(config)#interface vlan 123

A-M-Z-ENG-BL-ASW3F(config-if)#ip add

A-M-Z-ENG-BL-ASW3F(config-if)#ip address 192.168.123.7 255.255.255.0

A-M-Z-ENG-BL-ASW3F(config-if)#ex

A-M-Z-ENG-BL-ASW3F(config)#

A-M-Z-ENG-BL-ASW3F(config)#interface gig0/1

A-M-Z-ENG-BL-ASW3F(config-if)#switchport mode trunk

A-M-Z-ENG-BL-ASW3F(config-if)#exit

A-M-Z-ENG-BL-ASW3F(config)#

A-M-Z-ENG-BL-ASW3F(config)#line vty 0 15

A-M-Z-ENG-BL-ASW3F(config-line)#pass 123

A-M-Z-ENG-BL-ASW3F(config-line)#login

A-M-Z-ENG-BL-ASW3F(config-line)#exit

A-M-Z-ENG-BL-ASW3F(config)#enable secret 123

A-M-Z-ENG-BL-ASW3F(config)#exit

A-M-Z-ENG-BL-ASW3F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ENG-BL-ASW3F#cop

A-M-Z-ENG-BL-ASW3F#copy r

A-M-Z-ENG-BL-ASW3F#copy running-config st

A-M-Z-ENG-BL-ASW3F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ENG-BL-ASW3F#

**ENG DIST SW:**

A-M-Z-ENG-BL-DSW02>en

Password:

A-M-Z-ENG-BL-DSW02#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-ENG-BL-DSW02(config)#Vlan 10

A-M-Z-ENG-BL-DSW02(config-vlan)#name IPCamera

A-M-Z-ENG-BL-DSW02(config-vlan)#Vlan 20

A-M-Z-ENG-BL-DSW02(config-vlan)#name IPPhone

A-M-Z-ENG-BL-DSW02(config-vlan)#Vlan 30

A-M-Z-ENG-BL-DSW02(config-vlan)#name Data

A-M-Z-ENG-BL-DSW02(config-vlan)#Vlan 123

A-M-Z-ENG-BL-DSW02(config-vlan)#name ManagementVLAN

A-M-Z-ENG-BL-DSW02(config-vlan)#exit

A-M-Z-ENG-BL-DSW02(config)#

A-M-Z-ENG-BL-DSW02(config)#interface vlan 123

A-M-Z-ENG-BL-DSW02(config-if)#ip add

A-M-Z-ENG-BL-DSW02(config-if)#ip address 192.168.123.8 255.255.255.0

A-M-Z-ENG-BL-DSW02(config-if)#

A-M-Z-ENG-BL-DSW02(config-if)#ex

A-M-Z-ENG-BL-DSW02(config)#

A-M-Z-ENG-BL-DSW02(config)#interface gig1/0/24

A-M-Z-ENG-BL-DSW02(config-if)#switchport mode trunk

A-M-Z-ENG-BL-DSW02(config-if)#exit

A-M-Z-ENG-BL-DSW02(config)#

A-M-Z-ENG-BL-DSW02(config)#line vty 0 15

A-M-Z-ENG-BL-DSW02(config-line)#pass 123

A-M-Z-ENG-BL-DSW02(config-line)#login

A-M-Z-ENG-BL-DSW02(config-line)#exit

A-M-Z-ENG-BL-DSW02(config)#enable secret 123

A-M-Z-ENG-BL-DSW02(config)#exit

A-M-Z-ENG-BL-DSW02#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-ENG-BL-DSW02#cop

A-M-Z-ENG-BL-DSW02#copy r

A-M-Z-ENG-BL-DSW02#copy running-config st

A-M-Z-ENG-BL-DSW02#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-ENG-BL-DSW02#

**COMPUTER TECHNOLOGY BLOCK:**

**First Floor: SW8**

A-M-Z-COM-TECH-BL-ASW1F>en

Password:

A-M-Z-COM-TECH-BL-ASW1F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-COM-TECH-BL-ASW1F(config)#Vlan 10

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name IPCamera

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 20

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name IPPhone

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 30

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name Data

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 123

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name ManagementVLAN

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#interface vlan 123

A-M-Z-COM-TECH-BL-ASW1F(config-if)#ip address 192.168.123.9 255.255.255.0

A-M-Z-COM-TECH-BL-ASW1F(config-if)#

A-M-Z-COM-TECH-BL-ASW1F(config-if)#ex

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#interface gig0/1

A-M-Z-COM-TECH-BL-ASW1F(config-if)#switchport mode trunk

A-M-Z-COM-TECH-BL-ASW1F(config-if)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#line vty 0 15

A-M-Z-COM-TECH-BL-ASW1F(config-line)#pass 123

A-M-Z-COM-TECH-BL-ASW1F(config-line)#login

A-M-Z-COM-TECH-BL-ASW1F(config-line)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#enable secret 123

A-M-Z-COM-TECH-BL-ASW1F(config)#exit

A-M-Z-COM-TECH-BL-ASW1F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-COM-TECH-BL-ASW1F(config)#line vty 0 15

A-M-Z-COM-TECH-BL-ASW1F(config-line)#pass 123

A-M-Z-COM-TECH-BL-ASW1F(config-line)#login

A-M-Z-COM-TECH-BL-ASW1F(config-line)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#enable secret 123

A-M-Z-COM-TECH-BL-ASW1F(config)#exit

A-M-Z-COM-TECH-BL-ASW1F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-COM-TECH-BL-ASW1F#cop

A-M-Z-COM-TECH-BL-ASW1F#copy r

A-M-Z-COM-TECH-BL-ASW1F#copy running-config st

A-M-Z-COM-TECH-BL-ASW1F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-COM-TECH-BL-ASW1F#

**Second Floor: SW7**

A-M-Z-COM-TECH-BL-ASW1F>en

Password:

A-M-Z-COM-TECH-BL-ASW1F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-COM-TECH-BL-ASW1F(config)#Vlan 10

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name IPCamera

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 20

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name IPPhone

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 30

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name Data

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 123

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name ManagementVLAN

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#interface vlan 123

A-M-Z-COM-TECH-BL-ASW1F(config-if)#ip address 192.168.123.9 255.255.255.0

A-M-Z-COM-TECH-BL-ASW1F(config-if)#

A-M-Z-COM-TECH-BL-ASW1F(config-if)#ex

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#interface gig0/1

A-M-Z-COM-TECH-BL-ASW1F(config-if)#switchport mode trunk

A-M-Z-COM-TECH-BL-ASW1F(config-if)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#line vty 0 15

A-M-Z-COM-TECH-BL-ASW1F(config-line)#pass 123

A-M-Z-COM-TECH-BL-ASW1F(config-line)#login

A-M-Z-COM-TECH-BL-ASW1F(config-line)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#enable secret 123

A-M-Z-COM-TECH-BL-ASW1F(config)#exit

A-M-Z-COM-TECH-BL-ASW1F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-COM-TECH-BL-ASW1F#cop

A-M-Z-COM-TECH-BL-ASW1F#copy r

A-M-Z-COM-TECH-BL-ASW1F#copy running-config st

A-M-Z-COM-TECH-BL-ASW1F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-COM-TECH-BL-ASW1F#

**Third Floor: SW6**

A-M-Z-COM-TECH-BL-ASW1F>en

Password:

A-M-Z-COM-TECH-BL-ASW1F#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-COM-TECH-BL-ASW1F(config)#Vlan 10

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name IPCamera

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 20

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name IPPhone

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 30

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name Data

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#Vlan 123

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#name ManagementVLAN

A-M-Z-COM-TECH-BL-ASW1F(config-vlan)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#interface vlan 123

A-M-Z-COM-TECH-BL-ASW1F(config-if)#ip address 192.168.123.9 255.255.255.0

A-M-Z-COM-TECH-BL-ASW1F(config-if)#

A-M-Z-COM-TECH-BL-ASW1F(config-if)#ex

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#interface gig0/1

A-M-Z-COM-TECH-BL-ASW1F(config-if)#switchport mode trunk

A-M-Z-COM-TECH-BL-ASW1F(config-if)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#

A-M-Z-COM-TECH-BL-ASW1F(config)#line vty 0 15

A-M-Z-COM-TECH-BL-ASW1F(config-line)#pass 123

A-M-Z-COM-TECH-BL-ASW1F(config-line)#login

A-M-Z-COM-TECH-BL-ASW1F(config-line)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#enable secret 123

A-M-Z-COM-TECH-BL-ASW1F(config)#exit

A-M-Z-COM-TECH-BL-ASW1F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-COM-TECH-BL-ASW1F(config)#line vty 0 15

A-M-Z-COM-TECH-BL-ASW1F(config-line)#pass 123

A-M-Z-COM-TECH-BL-ASW1F(config-line)#login

A-M-Z-COM-TECH-BL-ASW1F(config-line)#exit

A-M-Z-COM-TECH-BL-ASW1F(config)#enable secret 123

A-M-Z-COM-TECH-BL-ASW1F(config)#exit

A-M-Z-COM-TECH-BL-ASW1F#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-COM-TECH-BL-ASW1F#cop

A-M-Z-COM-TECH-BL-ASW1F#copy r

A-M-Z-COM-TECH-BL-ASW1F#copy running-config st

A-M-Z-COM-TECH-BL-ASW1F#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-COM-TECH-BL-ASW1F#

**COMP TECH DIST SW:**

A-M-Z-COM-TECH-BL-DSW3>en

Password:

A-M-Z-COM-TECH-BL-DSW3#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-COM-TECH-BL-DSW3(config)#Vlan 10

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#name IPCamera

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#Vlan 20

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#name IPPhone

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#Vlan 30

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#name Data

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#Vlan 123

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#name ManagementVLAN

A-M-Z-COM-TECH-BL-DSW3(config-vlan)#exit

A-M-Z-COM-TECH-BL-DSW3(config)#

A-M-Z-COM-TECH-BL-DSW3(config)#ex

A-M-Z-COM-TECH-BL-DSW3#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-COM-TECH-BL-DSW3#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-COM-TECH-BL-DSW3(config)#interface vlan 123

A-M-Z-COM-TECH-BL-DSW3(config-if)#ip address 192.168.123.12 255.255.255.0

A-M-Z-COM-TECH-BL-DSW3(config-if)#ex

A-M-Z-COM-TECH-BL-DSW3(config)#

A-M-Z-COM-TECH-BL-DSW3(config)#interface gig1/0/24

A-M-Z-COM-TECH-BL-DSW3(config-if)#switchport mode trunk

A-M-Z-COM-TECH-BL-DSW3(config-if)#exit

A-M-Z-COM-TECH-BL-DSW3(config)#

A-M-Z-COM-TECH-BL-DSW3(config)#

A-M-Z-COM-TECH-BL-DSW3(config)#line vty 0 15

A-M-Z-COM-TECH-BL-DSW3(config-line)#pass 123

A-M-Z-COM-TECH-BL-DSW3(config-line)#login

A-M-Z-COM-TECH-BL-DSW3(config-line)#exit

A-M-Z-COM-TECH-BL-DSW3(config)#enable secret 123

A-M-Z-COM-TECH-BL-DSW3(config)#exit

A-M-Z-COM-TECH-BL-DSW3#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-COM-TECH-BL-DSW3#cop

A-M-Z-COM-TECH-BL-DSW3#copy r

A-M-Z-COM-TECH-BL-DSW3#copy running-config st

A-M-Z-COM-TECH-BL-DSW3#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-COM-TECH-BL-DSW3#

**SERVER:**

**SWITCH 9:**

A-M-Z-SERVER-ASW>en

Password:

A-M-Z-SERVER-ASW#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-SERVER-ASW(config)#Vlan 10

A-M-Z-SERVER-ASW(config-vlan)#name IPCamera

A-M-Z-SERVER-ASW(config-vlan)#Vlan 20

A-M-Z-SERVER-ASW(config-vlan)#name IPPhone

A-M-Z-SERVER-ASW(config-vlan)#Vlan 30

A-M-Z-SERVER-ASW(config-vlan)#name Data

A-M-Z-SERVER-ASW(config-vlan)#Vlan 123

A-M-Z-SERVER-ASW(config-vlan)#name ManagementVLAN

A-M-Z-SERVER-ASW(config-vlan)#exit

A-M-Z-SERVER-ASW(config)#

A-M-Z-SERVER-ASW(config)#interface vlan 123

A-M-Z-SERVER-ASW(config-if)#ip address 192.168.123.13 255.255.255.0

A-M-Z-SERVER-ASW(config-if)#

A-M-Z-SERVER-ASW(config-if)#ex

A-M-Z-SERVER-ASW(config)#interface gig0/1

A-M-Z-SERVER-ASW(config-if)#switchport mode trunk

A-M-Z-SERVER-ASW(config-if)#exit

A-M-Z-SERVER-ASW(config)#

A-M-Z-SERVER-ASW(config)#line vty 0 15

A-M-Z-SERVER-ASW(config-line)#pass 123

A-M-Z-SERVER-ASW(config-line)#login

A-M-Z-SERVER-ASW(config-line)#exit

A-M-Z-SERVER-ASW(config)#enable secret 123

A-M-Z-SERVER-ASW(config)#exit

A-M-Z-SERVER-ASW#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-SERVER-ASW#copy runn

A-M-Z-SERVER-ASW#copy running-config st

A-M-Z-SERVER-ASW#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-SERVER-ASW#

**DISTRIBUTION SWITCH:**

A-M-Z-DIST-SW>en

Password:

A-M-Z-DIST-SW#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-DIST-SW(config)#Vlan 10

A-M-Z-DIST-SW(config-vlan)#name IPCamera

A-M-Z-DIST-SW(config-vlan)#Vlan 20

A-M-Z-DIST-SW(config-vlan)#name IPPhone

A-M-Z-DIST-SW(config-vlan)#Vlan 30

A-M-Z-DIST-SW(config-vlan)#name Data

A-M-Z-DIST-SW(config-vlan)#Vlan 123

A-M-Z-DIST-SW(config-vlan)#name ManagementVLAN

A-M-Z-DIST-SW(config-vlan)#exit

A-M-Z-DIST-SW(config)#

A-M-Z-DIST-SW(config)#

A-M-Z-DIST-SW(config)#interface vlan 123

A-M-Z-DIST-SW(config-if)#ip address 192.168.123.15 255.0.0.0

A-M-Z-DIST-SW(config-if)#ex

A-M-Z-DIST-SW(config)#

A-M-Z-DIST-SW(config)#interface gig1/0/24

A-M-Z-DIST-SW(config-if)#switchport mode trunk

A-M-Z-DIST-SW(config-if)#exit

A-M-Z-DIST-SW(config)#

A-M-Z-DIST-SW(config)#line vty 0 15

A-M-Z-DIST-SW(config-line)#pass 123

A-M-Z-DIST-SW(config-line)#login

A-M-Z-DIST-SW(config-line)#exit

A-M-Z-DIST-SW(config)#enable secret 123

A-M-Z-DIST-SW(config)#exit

A-M-Z-DIST-SW#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-DIST-SW#cop

A-M-Z-DIST-SW#copy r

A-M-Z-DIST-SW#copy running-config st

A-M-Z-DIST-SW#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-DIST-SW#

**CORE SWITCH:**

A-M-Z-CORE-SW>en

Password:

A-M-Z-CORE-SW#conf

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

A-M-Z-CORE-SW(config)#Vlan 10

A-M-Z-CORE-SW(config-vlan)#name IPCamera

A-M-Z-CORE-SW(config-vlan)#Vlan 20

A-M-Z-CORE-SW(config-vlan)#name IPPhone

A-M-Z-CORE-SW(config-vlan)#Vlan 30

A-M-Z-CORE-SW(config-vlan)#name Data

A-M-Z-CORE-SW(config-vlan)#Vlan 123

A-M-Z-CORE-SW(config-vlan)#name ManagementVLAN

A-M-Z-CORE-SW(config-vlan)#exit

A-M-Z-CORE-SW(config)#

A-M-Z-CORE-SW(config)#interface vlan 123

A-M-Z-CORE-SW(config-if)#ip ad

A-M-Z-CORE-SW(config-if)#ip address 192.168.123.14 255.255.255.0

A-M-Z-CORE-SW(config-if)#ex

A-M-Z-CORE-SW(config)#

A-M-Z-CORE-SW(config)#

A-M-Z-CORE-SW(config)#line vty 0 15

A-M-Z-CORE-SW(config-line)#pass 123

A-M-Z-CORE-SW(config-line)#login

A-M-Z-CORE-SW(config-line)#exit

A-M-Z-CORE-SW(config)#enable secret 123

A-M-Z-CORE-SW(config)#exit

A-M-Z-CORE-SW#

%SYS-5-CONFIG\_I: Configured from console by console

A-M-Z-CORE-SW#copy r

A-M-Z-CORE-SW#copy running-config st

A-M-Z-CORE-SW#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

[OK]

A-M-Z-CORE-SW#

**PC 1 CONFIG:**

