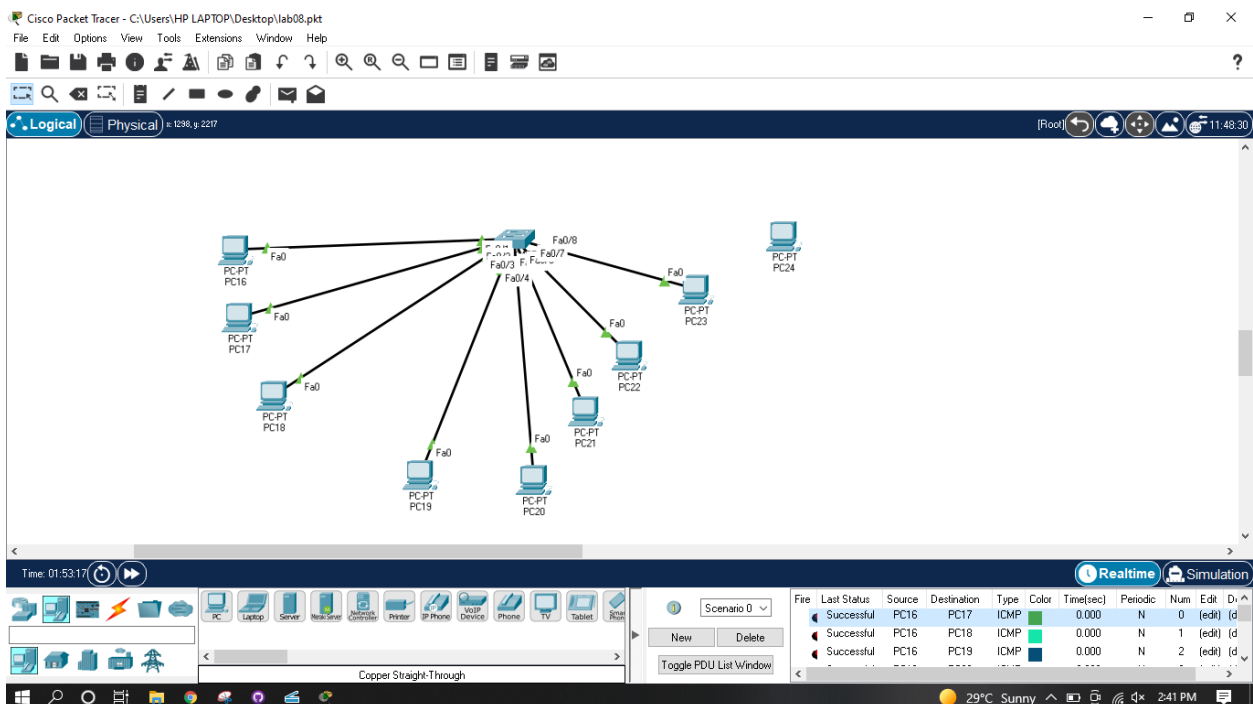
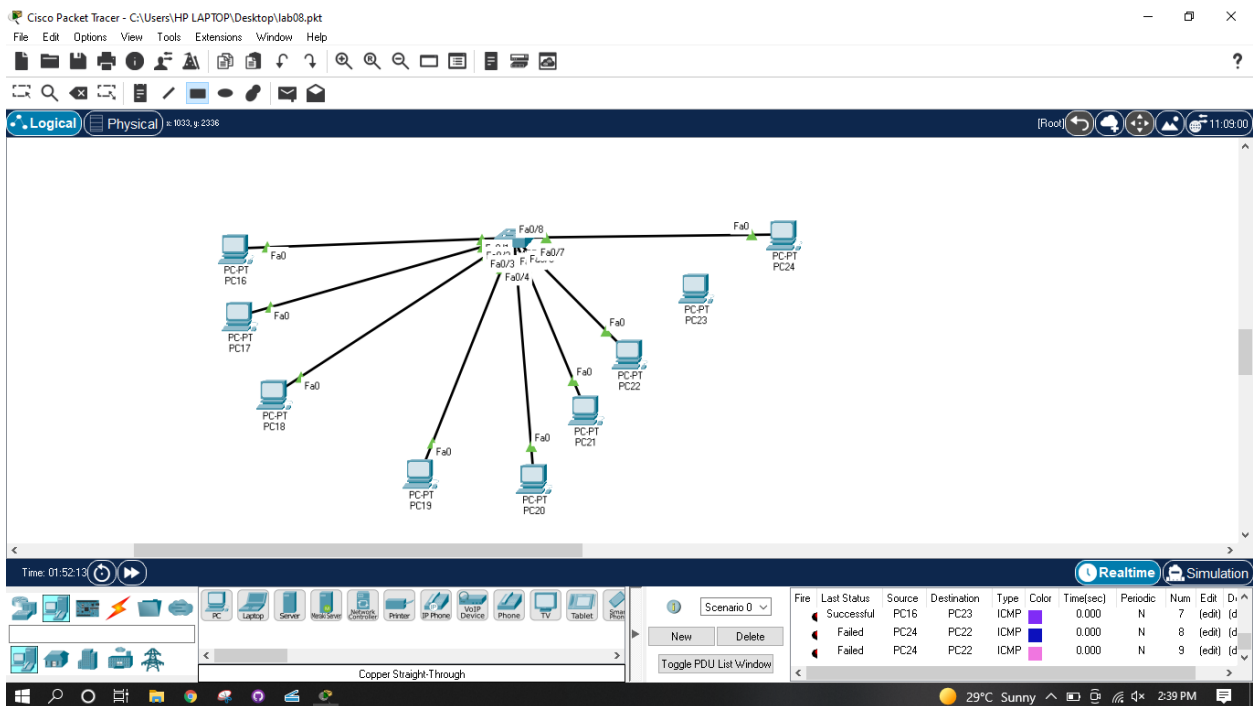


MUHAMMAD USAMA ASHRAF 9850

LAB 08

IP = 192.168.1.0/29



Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
* Unknown command or computer name, or unable to find computer address

Switch>
Switch>
Switch>enable
Switch>configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname usama-9860-Switch
usama-9860-Switch(config)#
usama-9860-Switch(config)#hostname usama-9860-Switch
usama-9860-Switch(config)#
usama-9860-Switch(config)#interface range fa0/1-8
usama-9860-Switch(config-if-range)#swi
usama-9860-Switch(config-if-range)#switchport mod
usama-9860-Switch(config-if-range)#switchport mode ac
usama-9860-Switch(config-if-range)#switchport mode access
usama-9860-Switch(config-if-range)#sw
usama-9860-Switch(config-if-range)#switchport po
usama-9860-Switch(config-if-range)#switchport port-security
usama-9860-Switch(config-if-range)#swi
usama-9860-Switch(config-if-range)#switchport por
usama-9860-Switch(config-if-range)#switchport port-security max
usama-9860-Switch(config-if-range)#switchport port-security maximum 1
usama-9860-Switch(config-if-range)#swi
usama-9860-Switch(config-if-range)#switchport port
usama-9860-Switch(config-if-range)#switchport port-security mac
usama-9860-Switch(config-if-range)#switchport port-security mac
usama-9860-Switch(config-if-range)#switchport port-security mac-address sticy
* Invalid input detected at '^' marker.

usama-9860-Switch(config-if-range)#switchport port-security mac-address stic
usama-9860-Switch(config-if-range)#switchport port-security mac-address sticky
usama-9860-Switch(config-if-range)#swi
usama-9860-Switch(config-if-range)#switchport port
usama-9860-Switch(config-if-range)#switchport port-security vio
usama-9860-Switch(config-if-range)#switchport port-security violation res
usama-9860-Switch(config-if-range)#switchport port-security violation restrict
usama-9860-Switch(config-if-range)#swi

Ctrl+F6 to exit CLI focus
```

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Top

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Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
usama-9860-Switch(config-if-range)#switchport port-security mac-address stic
usama-9860-Switch(config-if-range)#switchport port-security mac-address sticky
usama-9860-Switch(config-if-range)#swi
usama-9860-Switch(config-if-range)#switchport port
usama-9860-Switch(config-if-range)#switchport port-security vio
usama-9860-Switch(config-if-range)#switchport port-security violation res
usama-9860-Switch(config-if-range)#switchport port-security violation restrict
usama-9860-Switch(config-if-range)#exit
usama-9860-Switch(config)#exit
usama-9860-Switch#
*SYS-5-CONFIG_I: Configured from console by console

usama-9860-Switch#show po
usama-9860-Switch#show port-security
Secure Port MaxSecureAddr CurrentAddr SecurityViolation Security Action
          (Count)          (Count)          (Count)
-----
Fa0/1      1          1          0      Restrict
Fa0/2      1          1          0      Restrict
Fa0/3      1          1          0      Restrict
Fa0/4      1          1          0      Restrict
Fa0/5      1          1          0      Restrict
Fa0/6      1          1          0      Restrict
Fa0/7      1          1          0      Restrict
Fa0/8      1          1          0      Restrict
-----

usama-9860-Switch#show mac-address
Mac Address Table
-----
Vlan    Mac Address      Type      Ports
----
1       0002.161c.0c9d   STATIC    Fa0/6
1       000a.41e7.5926   STATIC    Fa0/7
1       0010.11ce.194c   STATIC    Fa0/2
1       0060.5cab.a5d7   STATIC    Fa0/5
1       0090.21d9.a081   STATIC    Fa0/4
1       0090.2bc9.a1c0   STATIC    Fa0/1
+       0060.833a.64f1   STATIC    Fa0/3

Ctrl+F6 to exit CLI focus
```

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Top

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Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
usama-9850-Switch#show port-security
Secure Port MaxSecureAddr CurrentAddr SecurityViolation Security Action
      (Count)      (Count)      (Count)
-----
Fa0/1      1      1      0      Restrict
Fa0/2      1      1      0      Restrict
Fa0/3      1      1      0      Restrict
Fa0/4      1      1      0      Restrict
Fa0/5      1      1      0      Restrict
Fa0/6      1      1      0      Restrict
Fa0/7      1      1      0      Restrict
Fa0/8      1      1      0      Restrict
-----
usama-9850-Switch#show mac-address
Mac Address Table
-----
Vlan    Mac Address      Type      Ports
-----
1       0002.161c.0c9d   STATIC    Fa0/6
1       000a.41e7.5826   STATIC    Fa0/7
1       0010.11ce.194c   STATIC    Fa0/2
1       0060.5cab.a9d7   STATIC    Fa0/5
1       0090.21d9.a081   STATIC    Fa0/4
1       0090.2bc9.a1c0   STATIC    Fa0/1
1       00d0.977c.5c44   STATIC    Fa0/3
1       00e0.8fc2.dd2d   STATIC    Fa0/8
usama-9850-Switch#
%LINK-3-UPDOWN: Interface FastEthernet0/8, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to down
%LINK-5-CHANGED: Interface FastEthernet0/8, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to up
usama-9850-Switch#show port-security
Secure Port MaxSecureAddr CurrentAddr SecurityViolation Security Action
      (Count)      (Count)      (Count)
-----
Fa0/1      1      1      0      Restrict
Fa0/2      1      1      0      Restrict
Fa0/3      1      1      0      Restrict
Fa0/4      1      1      0      Restrict
Fa0/5      1      1      0      Restrict
Fa0/6      1      1      0      Restrict
Fa0/7      1      1      0      Restrict
Fa0/8      1      1      0      Restrict
-----
Ctrl+F6 to exit CLI focus
```

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Top

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Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
1       000a.41e7.5826   STATIC    Fa0/7
1       0010.11ce.194c   STATIC    Fa0/2
1       0060.5cab.a9d7   STATIC    Fa0/5
1       0090.21d9.a081   STATIC    Fa0/4
1       0090.2bc9.a1c0   STATIC    Fa0/1
1       00d0.977c.5c44   STATIC    Fa0/3
1       00e0.8fc2.dd2d   STATIC    Fa0/8
usama-9850-Switch#
%LINK-3-UPDOWN: Interface FastEthernet0/8, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to down
%LINK-5-CHANGED: Interface FastEthernet0/8, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/8, changed state to up
usama-9850-Switch#show port-security
Secure Port MaxSecureAddr CurrentAddr SecurityViolation Security Action
      (Count)      (Count)      (Count)
-----
Fa0/1      1      1      0      Restrict
Fa0/2      1      1      0      Restrict
Fa0/3      1      1      0      Restrict
Fa0/4      1      1      0      Restrict
Fa0/5      1      1      0      Restrict
Fa0/6      1      1      0      Restrict
Fa0/7      1      1      0      Restrict
Fa0/8      1      1      2      Restrict
-----
usama-9850-Switch#copy running-config start-config
% Invalid input detected at '^' marker.
usama-9850-Switch#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
usama-9850-Switch#
usama-9850-Switch#
Ctrl+F6 to exit CLI focus
```

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Top

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