Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

\_\_\_05\_\_\_

LIST OF TASKS

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| TASK NO | OBJECTIVE |
| 01 | Connect 4 switches A, B, C and D, all switches must be password protected (encrypted password) and apply the following configuration, show network topology and configuration in your lab task.  a. Switch B, C, D must be connected to switch A  b. Switch B with VLAN name Faculty & Students having 5 logical ports each  c. Switch C with VLAN name Management having 3 logical ports  d. Switch D with VLAN name SRC & NCMPR having 3 logical ports each  e. Choose network IP from Class B for LAN like 172.16.X.X for hosts to test your LAN network |
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Submitted On

27-10-2023

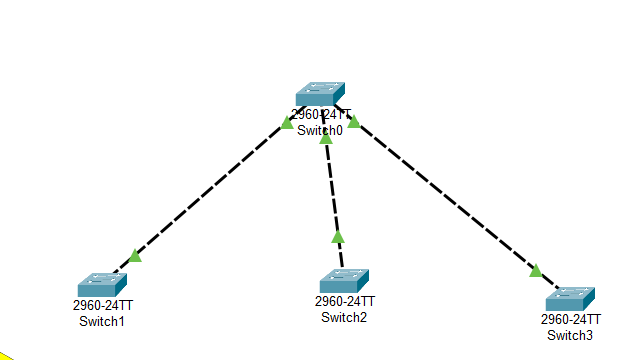
(Date: DD/MM/YY)

**Task 01:** Connect 4 switches A, B, C and D, all switches must be password protected (encrypted password) and apply the following configuration, show network topology and

configuration in your lab task.

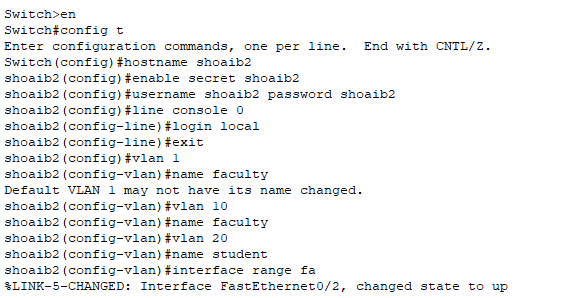
**Solution:**

1. Switch B, C, D must be connected to switch A

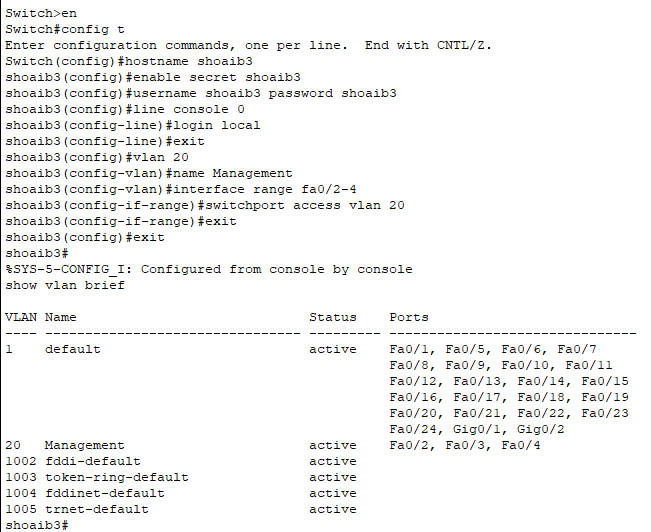


1. Switch B with VLAN name Faculty & Students having 5 logical ports each

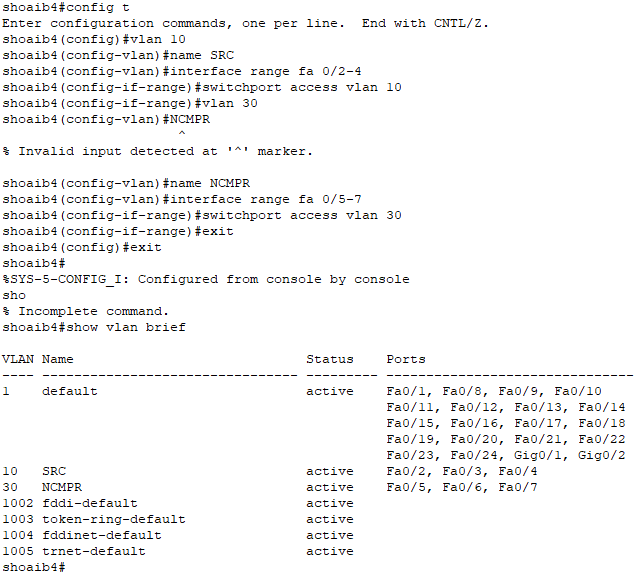
**A screenshot of a computer

Description automatically generated**

1. Switch C with VLAN name Management having 3 logical ports.

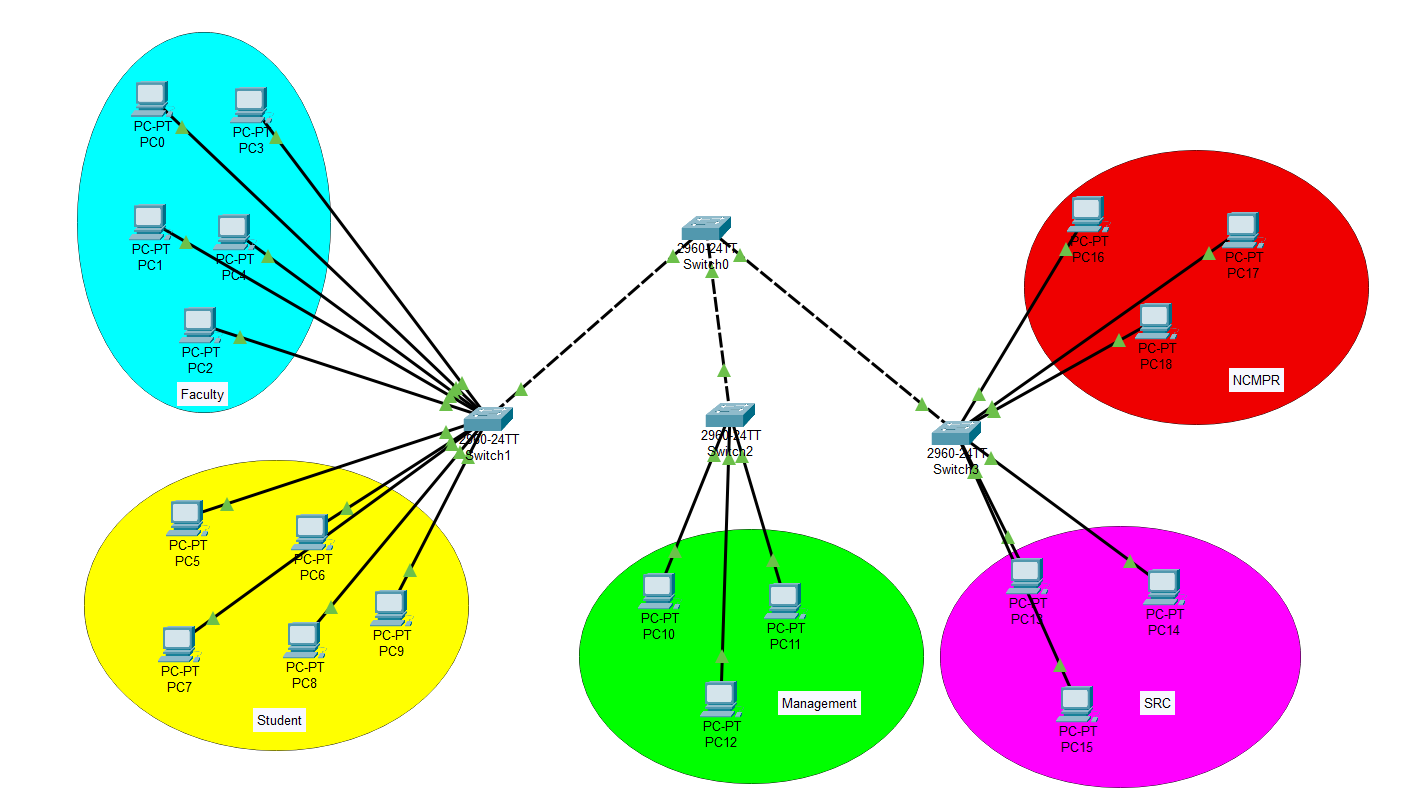
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1. Switch D with VLAN name SRC & NCMPR having 3 logical ports each.

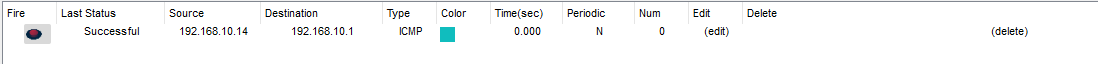


1. Choose network IP from Class B for LAN like 172.16.X.X for hosts to test your

LAN network



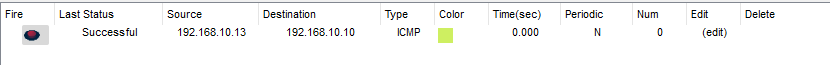
1. Any PC of VLAN Faculty from any PC connected to switch D VLAN SRC (Ping)

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1. Any PC of VLAN student from any PC connected to switch D VLAN SRC (Failed)

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1. Any PC of VLAN Student from any PC connected to switch C VLAN Management (Ping)

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1. Any PC of VLAN Management from same VLAN (ping)

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1. VLAN NCMPR from VLAN Student (Failed)

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