Bahria University

Karachi Campus



LAB EXPERIMENT NO.

05

LIST OF TASKS

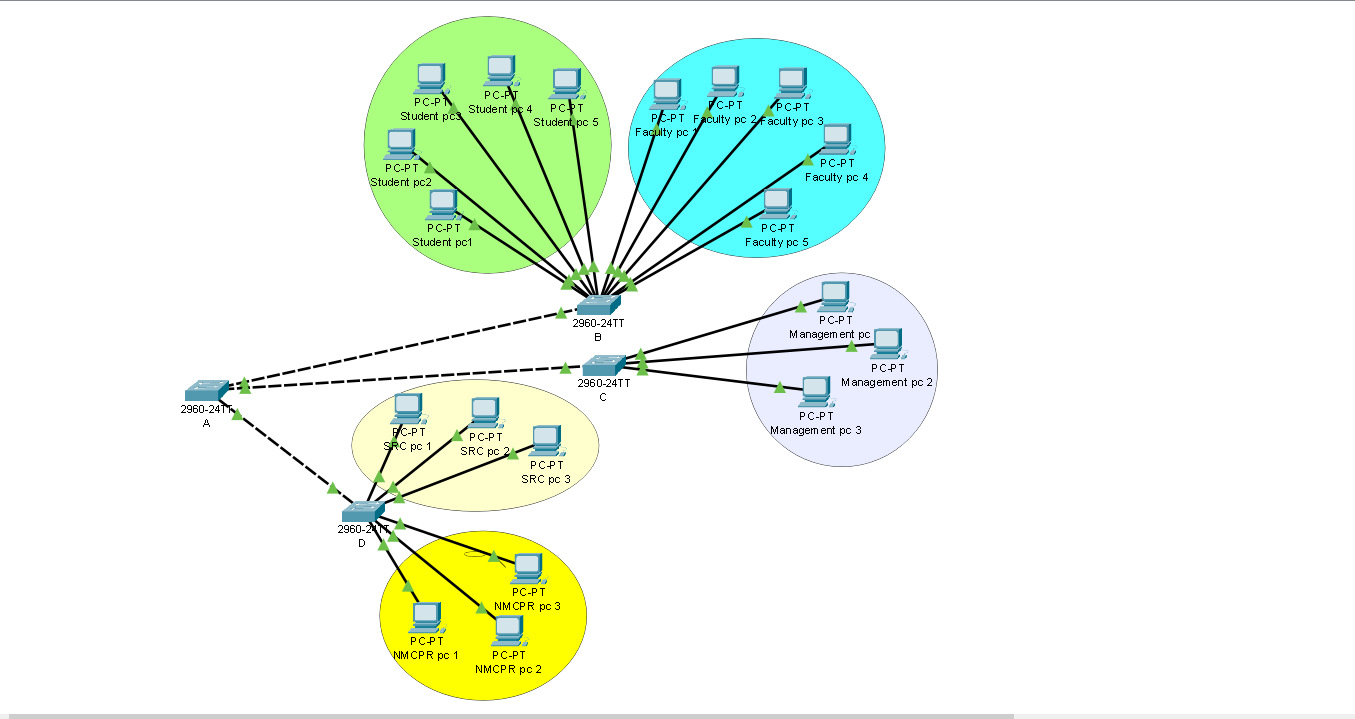
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| --- | --- |
| **TASK NO** | **OBJECTIVE** |
| 1 | Connect 4 switches A, B, C and D, all switches must be password protected (encrypted password) and apply the following configuration, show network topology and configuration in your lab task.   * Switch B, C, D must be connected to switch A * Switch B with VLAN name Faculty & Students having 5 logical ports each * Switch C with VLAN name Management having 3 logical ports * 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 |
| 2 | Complete the connection accordigly and show ping results of:   * Any PC of VLAN Faculty from any PC connected to switch D VLAN SRC (Ping) * Any PC of VLAN student from any PC connected to switch D VLAN SRC (Failed) * Any PC of VLAN Student from any PC connected to switch C VLAN Management (Ping) * Any PC of VLAN Management from same VLAN (ping) * VLAN NCMPR from VLAN Student (Failed) |

Submitted On:

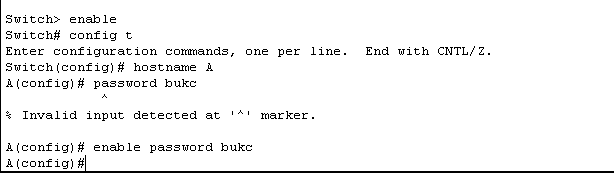
**25-10-2023**

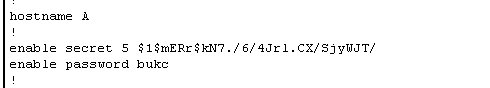
(Date: DD/MM/YY)

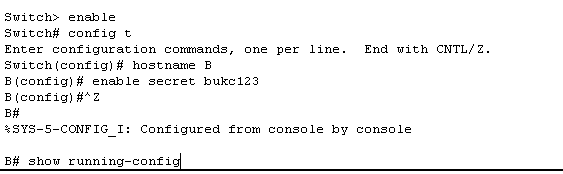
**Task:**

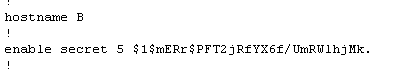
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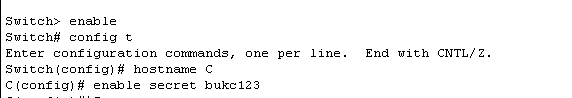
**NAME AND PASSWORD WITH ENCRYTION:**

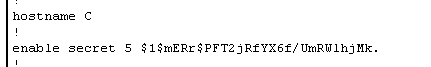
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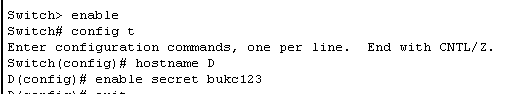
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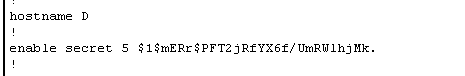
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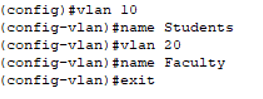
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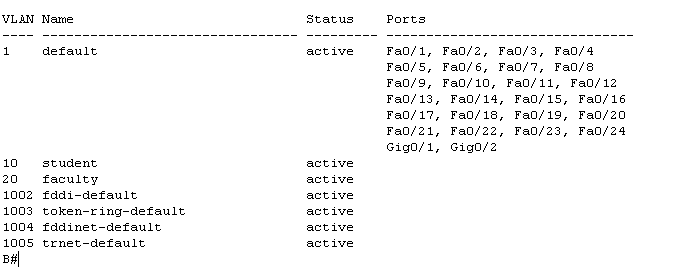
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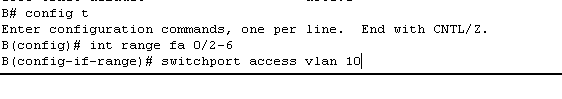
**Setting up vlan:**

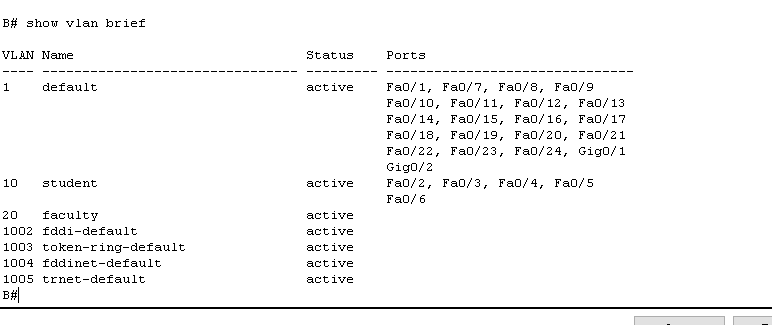
**For switch b:**

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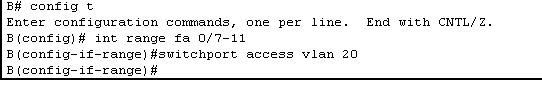
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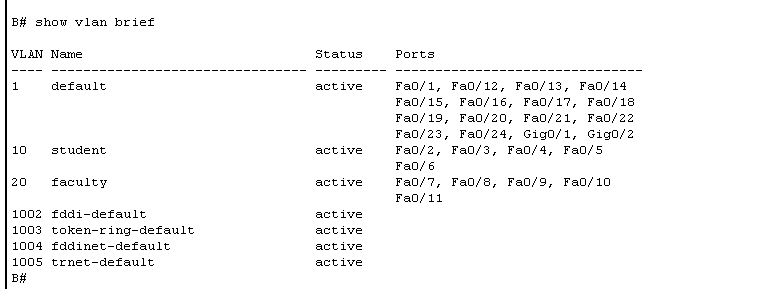
**Vlan range for students:**

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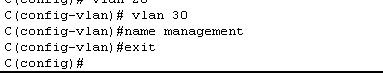
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**Vlan range for faculty:**

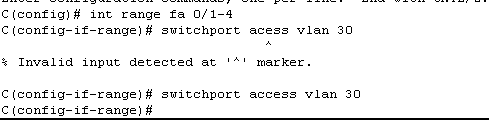
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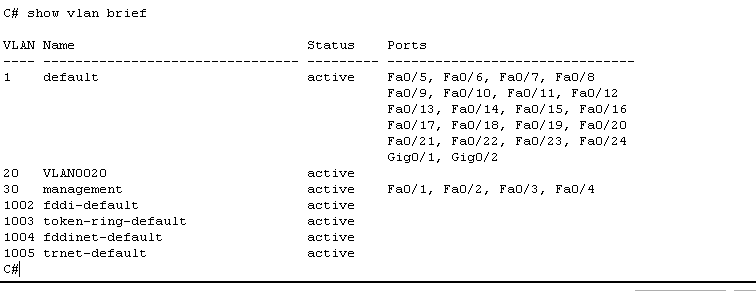
**For switch c :**

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**Vlan range for management:**

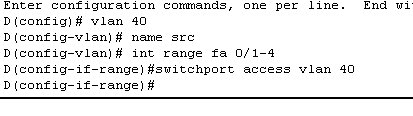
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**For switch c :**

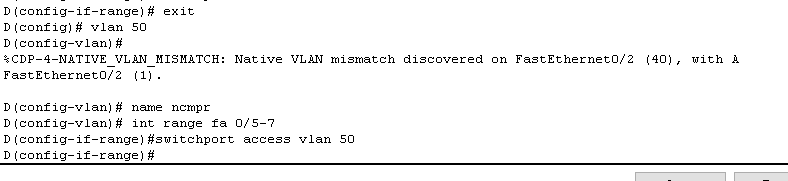
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**For switch D :**

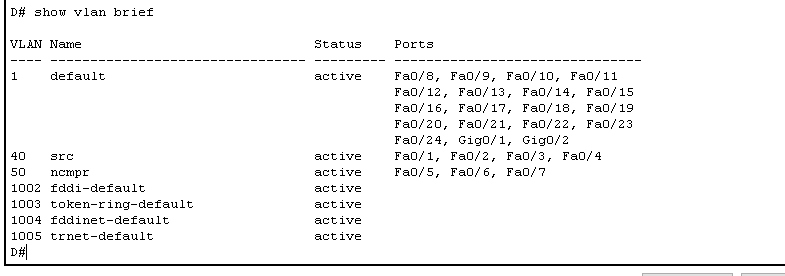
**For src:**

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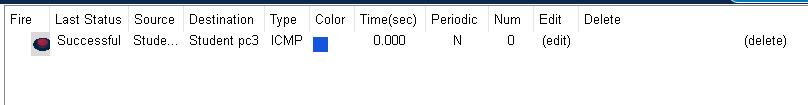
**For ncmpr:**

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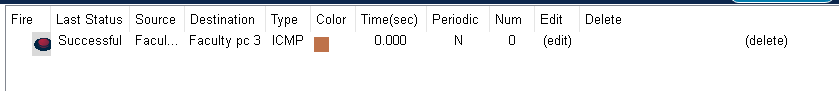
**Overall:**

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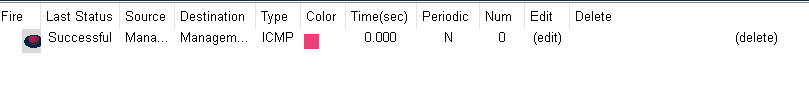
**From Student to Student**

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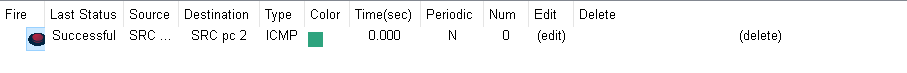
**From faculty to faculty**

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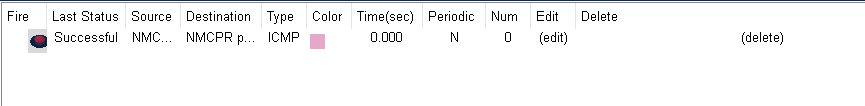
**From management to management**

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**Within SRC:**

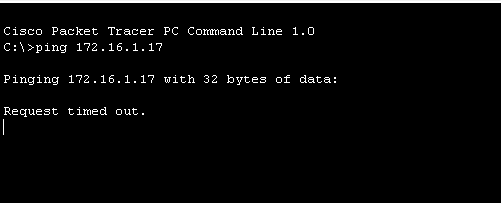
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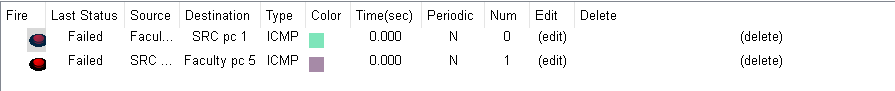
**Within NMCPR:**

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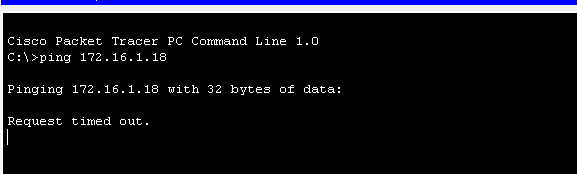
**Ping tasks**

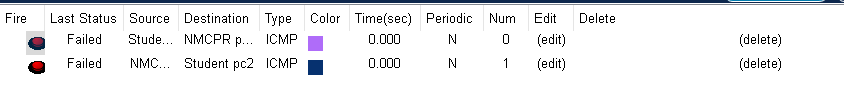
**Any PC of VLAN Faculty from any PC connected to switch D VLAN SRC (Ping)**

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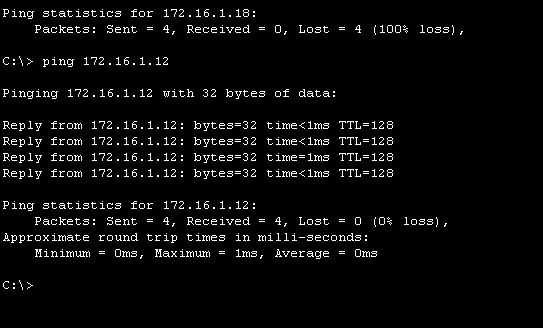
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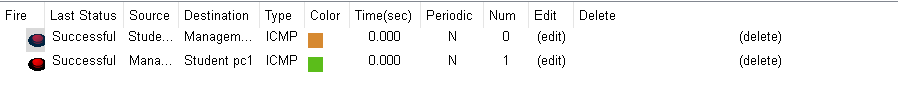
**Any PC of VLAN student from any PC connected to switch D VLAN SRC (Failed)**

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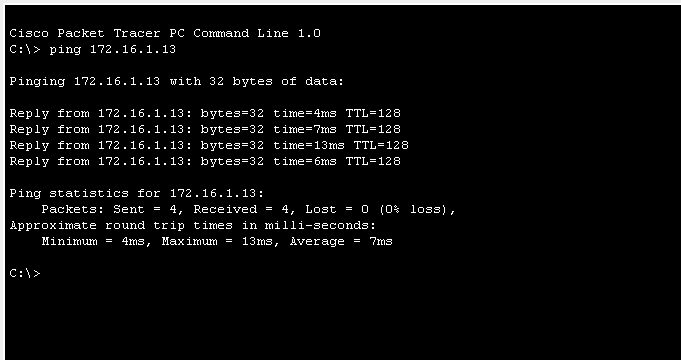
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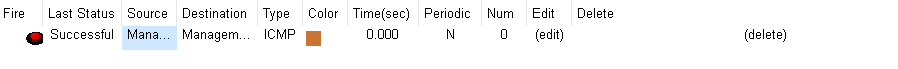
**Any PC of VLAN Student from any PC connected to switch C VLAN Management (Ping)**

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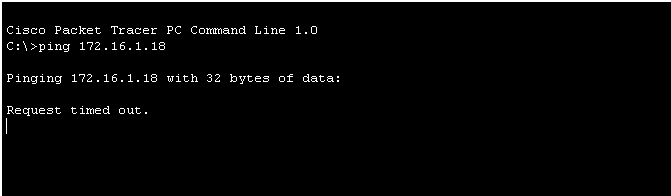
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**Any PC of VLAN Management from same VLAN (ping)**





**VLAN NCMPR from VLAN Student (Failed)**

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