

TITLE: VLANS AND TRUNKING

GROUP 1

MEMBERS;-

S/N	NAME	REG NO
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INITIAL SWITCH CONFIGS

Current configuration : 3224 bytes

```
!  
version 12.2  
no service pad  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname LEVEL-1-SW  
!  
boot-start-marker  
boot-end-marker  
!  
!
```

enable password class

```
!  
!  
DISABLING IP DOMAIN LOOKUP  
!  
!  
no ip domain-lookup  
!  
!
```

CONFIGURING VLANS AND ASSIGNING INTERFACES TO VLANS

```
!  
!  
interface GigabitEthernet1/0/1  
  switchport access vlan 20  
  switchport mode access  
!  
interface GigabitEthernet1/0/2  
  switchport access vlan 10  
  switchport mode access  
!  
interface GigabitEthernet1/0/3  
  switchport access vlan 30
```

```
switchport mode access
!  
!
```

CONFIGURING A TRUNK INTERFACE

```
!  
!  
interface GigabitEthernet1/0/4  
switchport trunk encapsulation dot1q  
switchport trunk allowed vlan 10,20,30  
switchport mode trunk
```

```
!  
!
```

CREATING A BANNER MOTD

```
!  
!  
banner motd ^C Unauthorized access is prohibited!^C  
!  
!
```

CONFIGURING CONSOLE PASSWORD

```
!  
!  
line con 0  
password cisco  
login  
!  
!
```

CONFIGURING VTY PASSWORD

```
!  
!  
line vty 0 4  
password cisco  
login  
line vty 5 15  
login
```

```
!  
!  
PCS FROM LEVEL-1-SW PINGING PCS IN LEVEL-3-SW  
!  
!
```

STUDENTS VLAN 10 IN LEVEL-1-SW PINGING STUDENTS VLAN 10 IN LEVEL-3-SW
!
C:\Users\USER>ping 192.168.1.7

Pinging 192.168.1.7 with 32 bytes of data:
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.7:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms

FACULTY VLAN 20 IN LEVEL-1-SW PINGING FACULTY VLAN 20 IN LEVEL-3-SW
!
C:\Users\Sehe Ia>ping 192.168.1.8

Pinging 192.168.1.8 with 32 bytes of data:
Reply from 192.168.1.8: bytes=32 time=1ms TTL=128
Reply from 192.168.1.8: bytes=32 time=1ms TTL=128
Reply from 192.168.1.8: bytes=32 time=1ms TTL=128
Reply from 192.168.1.8: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.8:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 1ms, Average = 1ms

ADMIN VLAN 30 IN LEVEL-1-SW PINGING ADMIN VLAN 30 IN LEVEL-3-SW
!
C:\Users\Ayebare>ping 192.168.1.9

Pinging 192.168.1.9 with 32 bytes of data:
Reply from 192.168.1.9: bytes=32 time=1ms TTL=128
Reply from 192.168.1.9: bytes=32 time=2ms TTL=128
Reply from 192.168.1.9: bytes=32 time=2ms TTL=128
Reply from 192.168.1.9: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.1.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 2ms, Average = 1ms