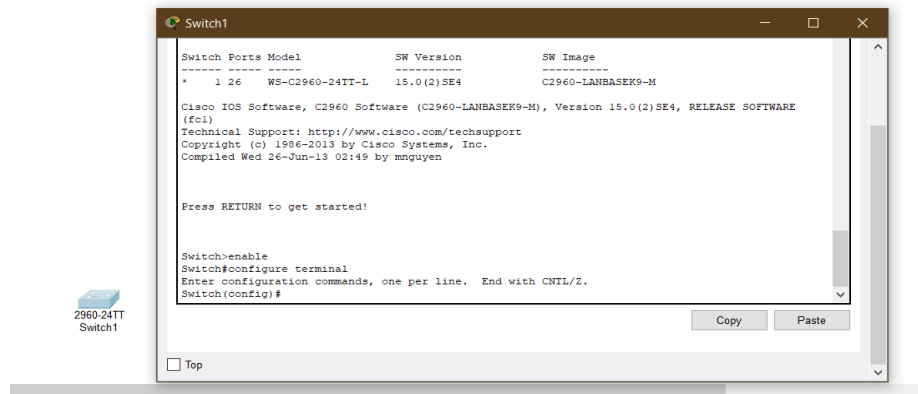


# Task Day 1 – Advanced Network

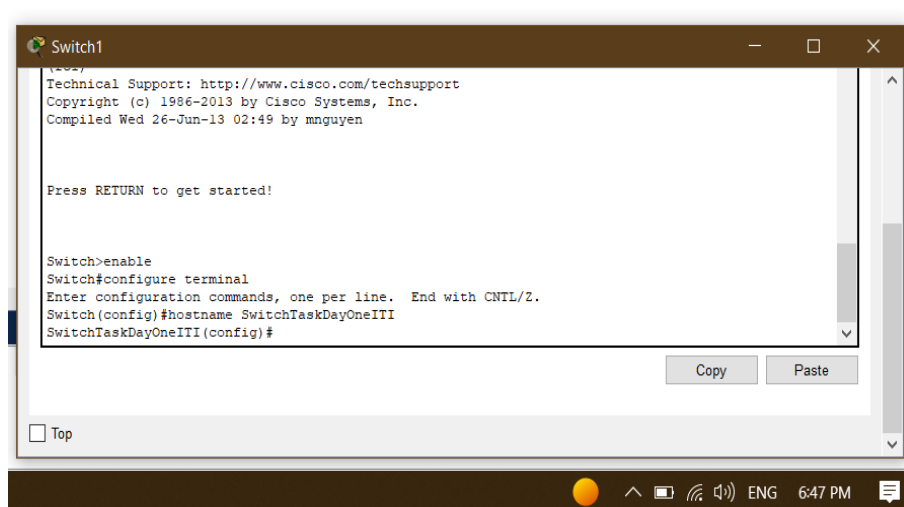
## Part 1: Setting up a Switch for Telnet :

-First, we will open the switch on the network to make your network look like this (172.16.5.0/16) :

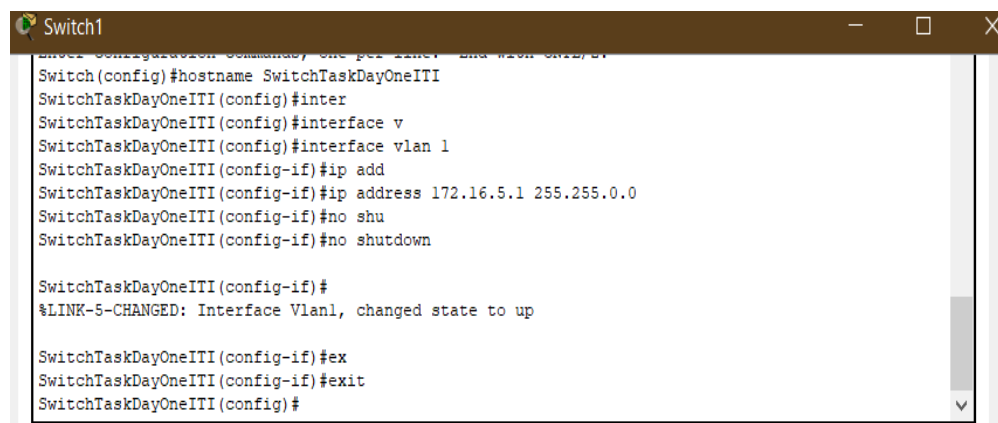
- First, open the switch and then run these commands ( **Open CLI** ) :



- We will start by creating a hostname:

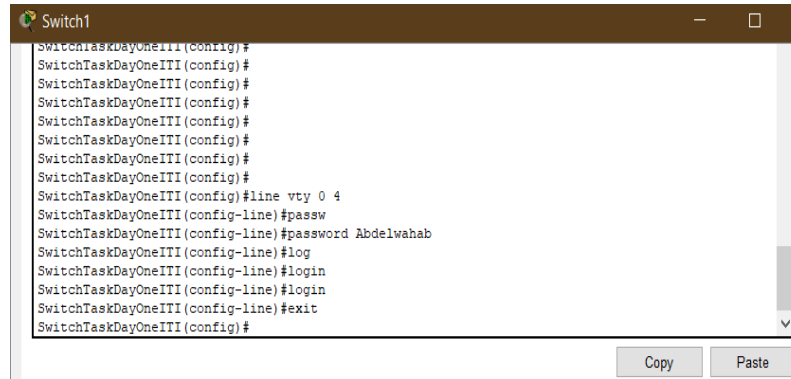


- Assign an IP address to one of the VLANs and put it on VLAN1 :



## Task Day 1 – Advanced Network

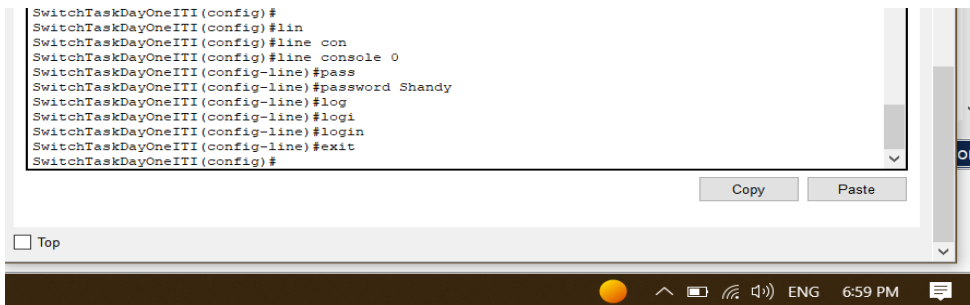
- Telnet settings :



```
Switch1
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#
SwitchTaskDayOneITI(config)#line vty 0 4
SwitchTaskDayOneITI(config-line)#passw
SwitchTaskDayOneITI(config-line)#password Abdelwahab
SwitchTaskDayOneITI(config-line)#log
SwitchTaskDayOneITI(config-line)#login
SwitchTaskDayOneITI(config-line)#login
SwitchTaskDayOneITI(config-line)#exit
SwitchTaskDayOneITI(config)#
```

Copy Paste

- Console Password :



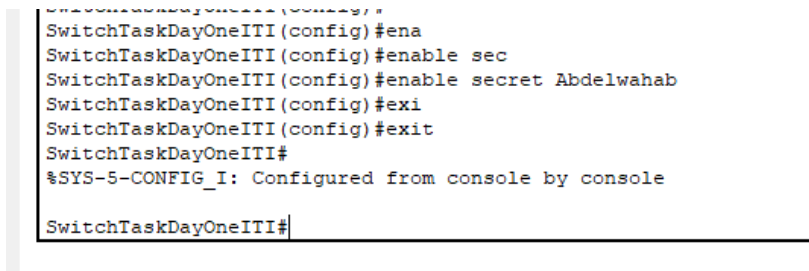
```
SwitchTaskDayOneITI (config) #
SwitchTaskDayOneITI (config) #lin
SwitchTaskDayOneITI (config) #line con
SwitchTaskDayOneITI (config) #line console 0
SwitchTaskDayOneITI (config-line) #pass
SwitchTaskDayOneITI (config-line) #password Shandy
SwitchTaskDayOneITI (config-line) #log
SwitchTaskDayOneITI (config-line) #logi
SwitchTaskDayOneITI (config-line) #login
SwitchTaskDayOneITI (config-line) #exit
SwitchTaskDayOneITI (config) #
```

Copy Paste

☐ Top

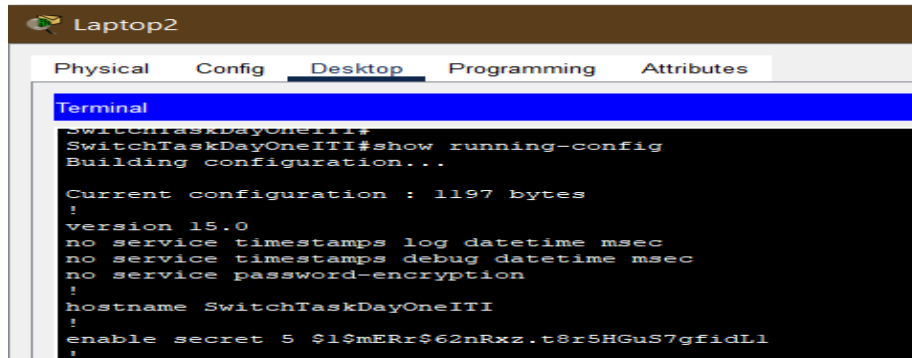
ENG 6:59 PM

- Activate password :



```
SwitchTaskDayOneITI (config) #
SwitchTaskDayOneITI (config) #ena
SwitchTaskDayOneITI (config) #enable sec
SwitchTaskDayOneITI (config) #enable secret Abdelwahab
SwitchTaskDayOneITI (config) #exi
SwitchTaskDayOneITI (config) #exit
SwitchTaskDayOneITI #
%SYS-5-CONFIG_I: Configured from console by console
SwitchTaskDayOneITI #
```

- Setting up the first switch for Telnet is complete :



```
Laptop2
Physical Config Desktop Programming Attributes
Terminal
SwitchTaskDayOneITI#
SwitchTaskDayOneITI#show running-config
Building configuration...

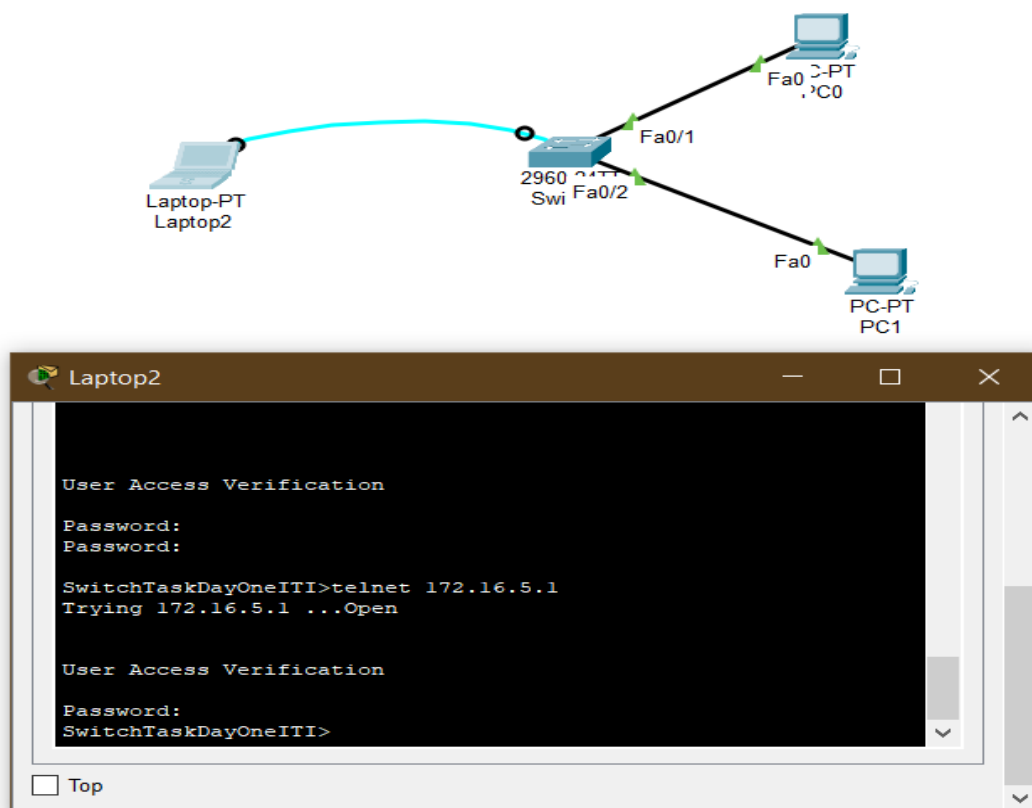
Current configuration : 1197 bytes
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname SwitchTaskDayOneITI
!
enable secret 5 $1$mERr$62nRxz.t8r5HGuS7gfidL1
!
```

## Task Day 1 – Advanced Network

```
interface GigabitEthernet0/2
!
interface Vlan1
 ip address 172.16.5.1 255.255.0.0
!
!
!
!
!
line con 0
 password Shandy
 login
!
line vty 0 4
 password Abdelwahab
 login
line vty 5 15
 login
!
!
!
end

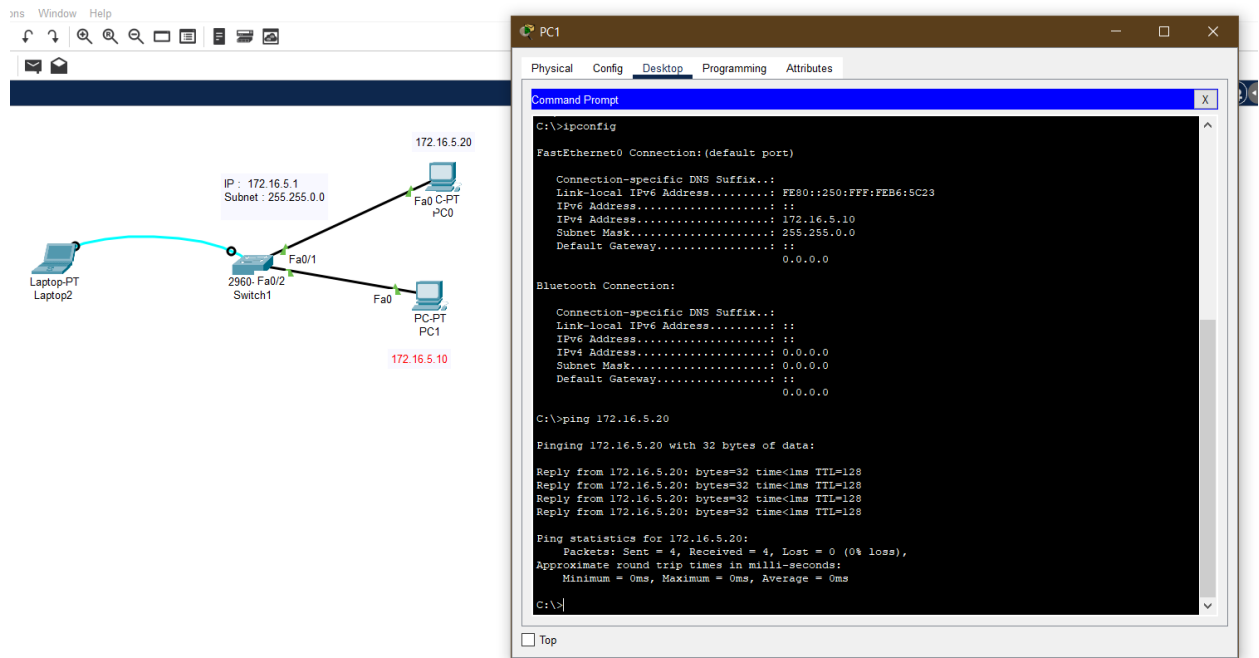
SwitchTaskDayOneITI#
SwitchTaskDayOneITI#
```

Control the switch using the Telnet



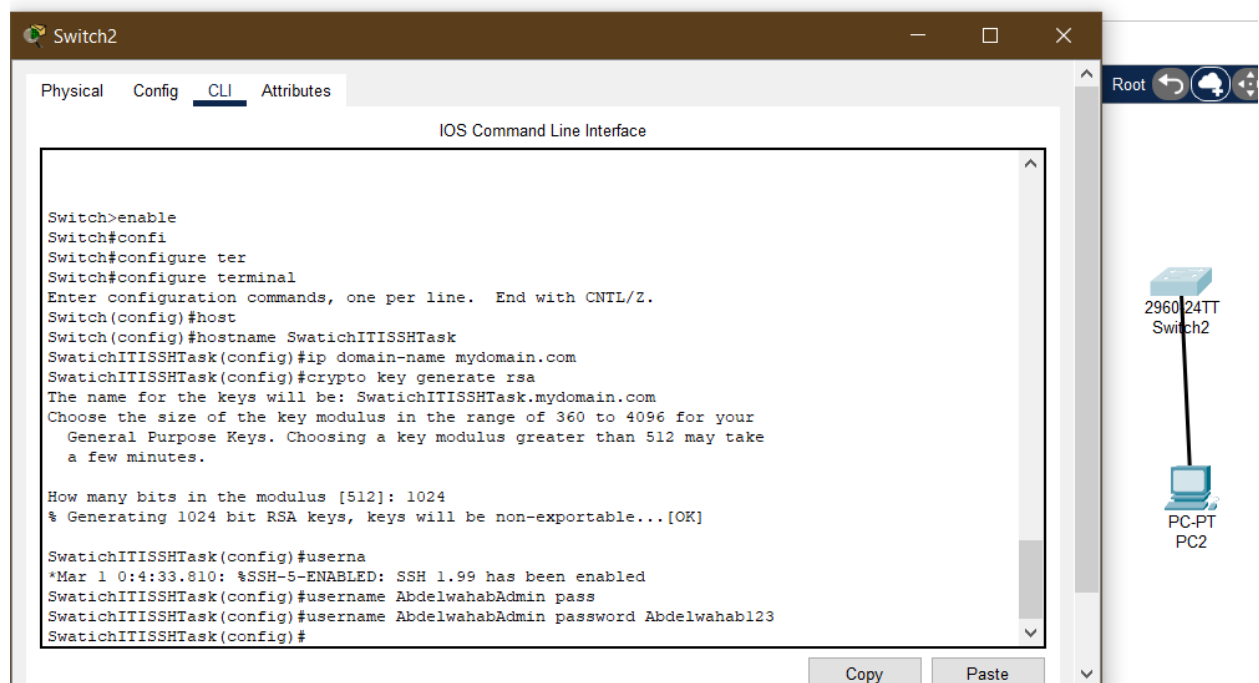
## Task Day 1 – Advanced Network

- I did a test from his IP (172.16.5.10) device to his IP (172.16.5.20) device :



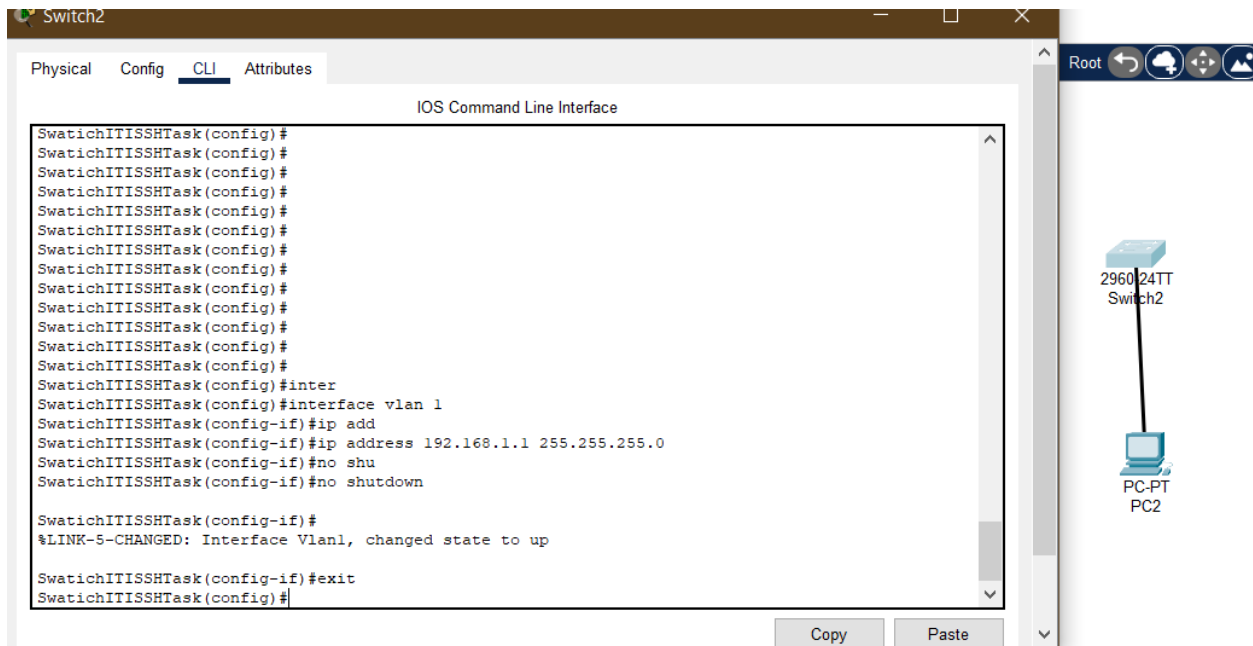
## Part 2: Setting up a Switch for SSH :

- Change the switch name, set up a domain, create a private SSH encryption key, the key size, and create a user :

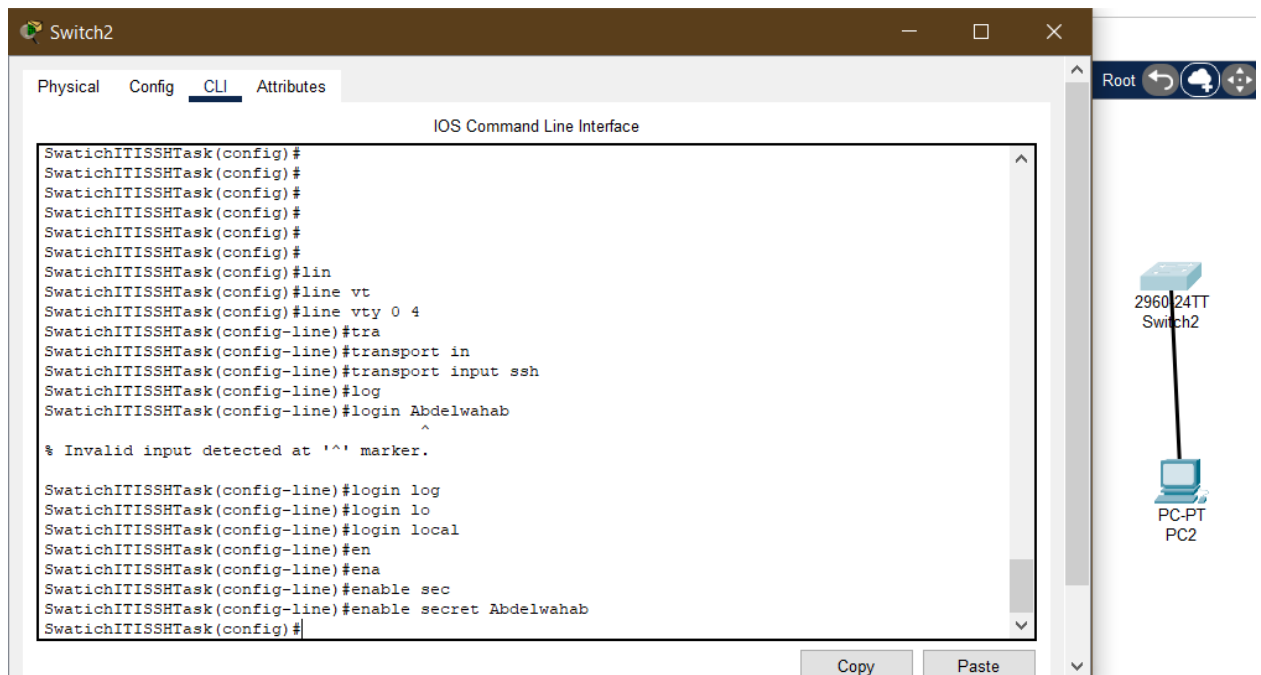


## Task Day 1 – Advanced Network

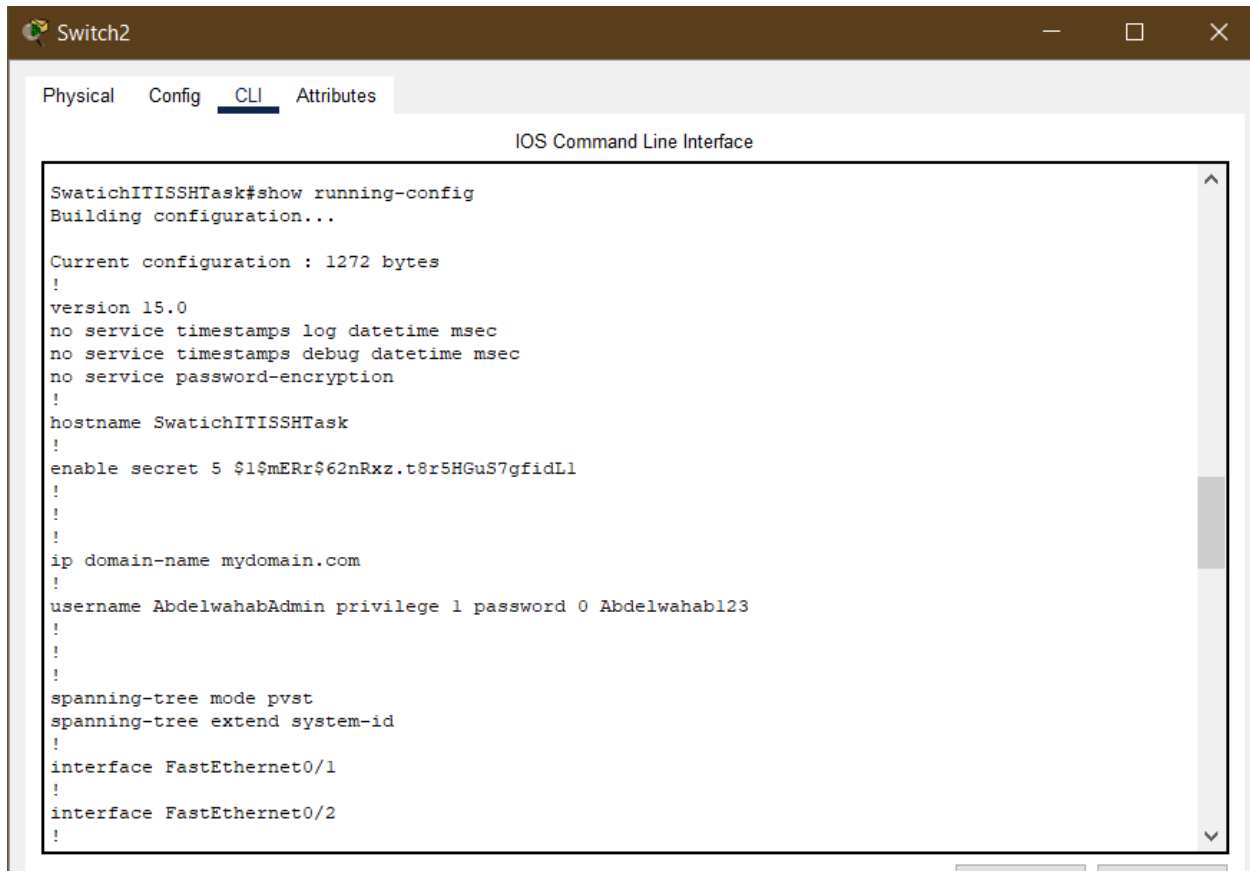
- Assign IP to VLAN1 :



- **Enable SSH :**



## Task Day 1 – Advanced Network

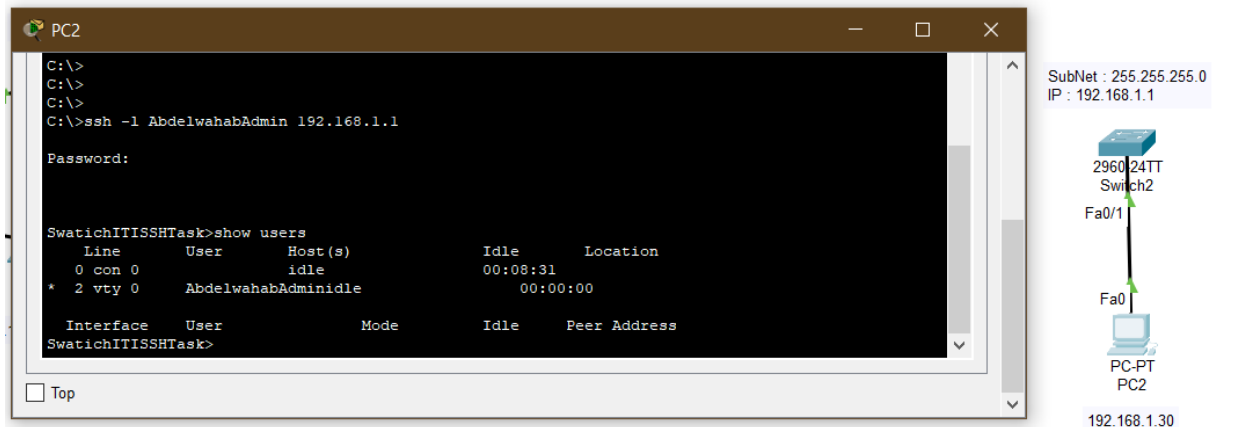


The screenshot shows a network switch named 'Swatch2' with the CLI window open. The 'CLI' tab is selected, and the 'show running-config' command has been executed. The output displays the current configuration, including version 15.0, hostname 'Swatch2ITISSHTask', and various service settings. The configuration is as follows:

```
Swatch2ITISSHTask#show running-config
Building configuration...

Current configuration : 1272 bytes
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Swatch2ITISSHTask
!
enable secret 5 $1$mERr$62nRxz.t8r5HGus7gfidL1
!
!
!
ip domain-name mydomain.com
!
username AbdelwahabAdmin privilege 1 password 0 Abdelwahab123
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
!
interface FastEthernet0/2
!
```

- On PC2 :



The screenshot shows a PC2 terminal window with the following commands and output:

```
C:\>
C:\>
C:\>
C:\>ssh -l AbdelwahabAdmin 192.168.1.1

Password:

Swatch2ITISSHTask>show users
```

Line	User	Host(s)	Idle	Location
0 con 0			idle	
* 2 vty 0	AbdelwahabAdmin	idle	00:08:31	00:00:00

```
Swatch2ITISSHTask>
```

Below the terminal window, a network diagram is visible. It shows a switch labeled '2960 24TT Switch2' connected to a PC labeled 'PC-PT PC2'. The switch has a 'Fa0/1' port connected to the PC. The PC's IP address is '192.168.1.30'. A text box above the switch indicates 'SubNet : 255.255.255.0' and 'IP : 192.168.1.1'.

Task Day one : Done .

By : Abdelwahab Shandy