How to change VLANs, Authentication

==> First check switch and port.

Check the port tag on the faceplate, It would tell you about the switch name and port number.



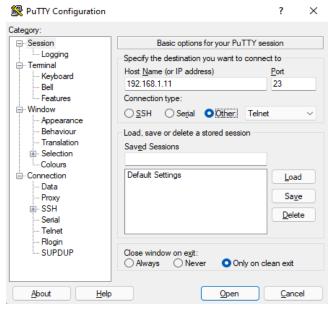
Example: As you can see from the tag, its D-19 'D' represent switch name and '19 represent port #'. The floor number represents the switch number. If it is on the fourth floor, then the complete address will be

Switch name: 4D

Port #: 19

Once you confirm the switch and port number, It's time to use putty.

Telnet the switch using putty,



Hostname: (IP address of SW)

Port: 23

Connection type: Other

Click on Open.

→ Now to log in enter your password,



→ type the command "show running-config" to check the configurations on the switch.

```
SW-4A#sho
SW-4A#show run
SW-4A#show running-config
```

This will show all the configurations done on SW.

Suppose we need to change the VLAN on port 19.



The authentication on this port is on and for now, it is a member of VLAN 3.

Example: We need to change the VLAN from 3 to 6

Steps:

First, we go into configuration mode from enable mode.

→ Type "config terminal"

Now type

→ " interface GigabitEthernet0/19 "

Now you are in interface 0/19

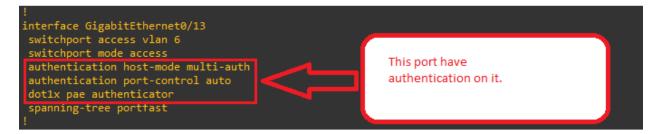
→ Type "no switchport access vlan 3"

To remove old VLAN from the port.

→ Type "switchport access vlan 6"

Now VLAN 6 is config port 19.

We need to change the Port from Authentication to Non-Authentication



As you can see in Fig. authentication is applied on this port.

Now we remove authentication.

Steps:

First, we go into configuration mode from enable mode.

→ Type "config terminal"

Now type

→ "interface GigabitEthernet0/13"

Now you are in interface 0/13

To remove the port from authentication.

- → Type "No authentication host-mode multi-auth"
- → Type "No authentication port-control auto"
- → Type "no dot1x pae authenticator"

Now port 13 is removed from authentication.

If you want to apply authentication on any port

Steps:

First, we go into configuration mode from enable mode.

→ Type "config terminal"

Now type

→ "interface GigabitEthernet0/13"

Now you are in interface 0/13

To remove the port from authentication.

- → Type "authentication host-mode multi-auth"
- → Type "authentication port-control auto"
- → Type "dot1x pae authenticator"

Now authentication is applied to the port.