

SYSNET NOTES

System And Networking Notes With Interview Questions

To create a VLAN:

```
Switch# conf t
Switch(config)# vlan 50
Switch(config-vlan)# name sysnet
Switch(config-vlan)# exit
```

Assigning to an interface:

```
Switch(config)# int fa 1/3
Switch(config-if)# switchport mode access
Switch(config-if)# switchport access vlan 50
Switch(config-if)# no shut
```

To delete a VLAN:

```
Switch(config)# no vlan 50
```

VLAN Verification

To determine the trunking status of an interface:

```
# show int fa 1/24 trunk OR # show trunk.
```

For more detailed switchport information:

```
# show int fa 1/24 switchport
```

To determine the physical status of a link:

```
# show int fa 1/24 status
```

To see a list of VLANs and their assigned interfaces:

```
# show vlan brief
```

To check if an interface is assigned to a specific VLAN:

```
# show vlan id 100
```

This command is especially helpful as it displays all ports belonging to the VLAN as well as the MTU of each assigned port and type. To see a complete detailed interface list for all VLANs:

```
# show vlan
```