

6.4.4 VLAN Command List

To configure a simple VLAN, first create the VLAN, then assign ports to that VLAN. The following table shows common VLAN configuration commands:

Command	Action
<code>switch(config)#vlan [1-4094]</code> <code>switch(config-vlan)#name [unique_name]</code>	Defines a VLAN. Gives the VLAN a name. Naming the VLAN is optional. VLAN names must be unique.
<code>switch(config)#no vlan [1-4094]</code>	Deletes a VLAN. When you delete a VLAN, all ports assigned to the deleted VLAN remain associated with it and are, therefore, inactive. After a VLAN is deleted, you must reassign its ports to an appropriate VLAN.
<code>switch(config-if)#switchport access vlan [1-4094]</code>	Assigns ports to the VLAN. If you assign a port to a VLAN that does not exist, the VLAN is created automatically.
<code>switch#show vlan</code> <code>switch#show vlan brief</code>	Shows a list of VLANs on the system.
<code>switch#show vlan id [1-4064]</code>	Shows information for a specific VLAN.

The following commands create VLAN 12, name it IS_VLAN, identify port 0/12 as having only workstations attached to it, and assign the port to VLAN 12.

```
switch#config t
switch(config)#vlan 12
switch(config-vlan)#name IS_VLAN
switch(config-vlan)#interface fast 0/12
switch(config-if)#switchport access vlan 12
```