6.5.4 Trunking Command List

The following table lists important commands for configuring and monitoring trunking on a Cisco switch:

Command	Action
Switch(config-if)#switchport mode trunk	Enables trunking on the interface
Switch(config-if)#switchport mode access	Configures an interface as an access port, which disables trunking on the interface (if it was previously configured)
Switch(config-if)#switchport trunk encapsulation dot1q Switch(config-if)#switchport trunk encapsulation negotiate	Sets the trunking protocol to 802.1Q Allows the trunking protocol to be negotiated between switches
Switch(config-if)#switchport trunk native vlan [vlan_id]	Configures the VLAN that sends and receives untagged traffic on the trunk port when the interface is in 802.1Q trunking mode
Switch(config-if)#switchport trunk allowed vlan all Switch(config-if)#switchport trunk allowed vlan add [vlan_id]	Defines which VLANs are allowed to communicate over the trunk
Switch(config-if)#switchport trunk allowed vlan remove [vlan_id]	Removes a VLAN from a trunk link
Switch(config-if)#switchport access vlan [number]	Assigns an interface to a VLAN
Switch#show interface trunk Switch#show interface fa0/1 trunk	Shows interface trunking information with the following: - Mode - Encapsulation - Trunking status - VLAN assignments

Two distribution layer switches, SW1 and SW2, are connected through their respective Gi0/1 interfaces. The following commands configure a trunk link between the switches:

```
SW1>ena
SW1#conf t
SW1(config)#int gi 0/1
SW1(config-if)#switchport mode trunk

SW2>ena
SW2#conf t
SW2(config)#int gi 0/1
SW2(config-if)#switchport mode trunk
```