

■ One-Page Command Sheet — Admin → Business → Main Campus DHCP Fix

■ Admin Switch Configuration (Access Layer)

Purpose: Assign VLAN 10 to Admin PCs and trunk it to the Business switch.

```
enable
conf t
vlan 10
  name Admin
exit
interface range fa0/2 - 6
  switchport mode access
  switchport access vlan 10
  spanning-tree portfast
exit
interface fa0/4
  switchport trunk encapsulation dot1q
  switchport mode trunk
  switchport trunk allowed vlan 1,10,20,30,40,50
  no shutdown
exit
end
write memory
```

Verification:

```
show vlan brief
show interfaces trunk
```

■ Business Building Main Switch (Distribution Layer)

Purpose: Forward DHCP requests and route VLAN 10 traffic to Main Campus.

```
enable
conf t
ip routing
interface vlan 10
  ip helper-address 10.0.10.1
exit
interface vlan 20
  ip helper-address 10.0.10.1
exit
interface vlan 30
  ip helper-address 10.0.10.1
exit
interface vlan 40
  ip helper-address 10.0.10.1
exit
interface vlan 50
  ip helper-address 10.0.10.1
exit
interface gig0/1
  switchport trunk encapsulation dot1q
  switchport mode trunk
  switchport trunk allowed vlan 1,10,20,30,40,50
  no shutdown
exit
end
```