# 5.6 Lab: Create VLANs - GUI

**Candidate:** COMPTIA COMPTIA ()
**Time Spent:** 00:12

**Score: 0%**

## Task Summary

### Required Actions

- ✕ Create and configure the VLAN Show Details
- ✕ Connect the IP cameras to the VLAN and mount the IP cameras to the wall Show Details
- ✕ Connect the laptop to the VLAN
- ✕ Launch the IP camera-monitoring software and confirm that the IP cameras are online

## Explanation

Complete this lab as follows:

1. Log in to the Cisco switch.
   a. In the Username field for the Cisco switch, enter **ITSwitchAdmin** (case-sensitive).
   b. In the Password field, enter **Admin$only** (case-sensitive).
   c. Select **Log In**.
2. Create the IPCameras VLAN.
   a. From the Getting Started pane (right), under Initial Setup, select **Create VLAN**.
   b. Select **Add**.
   c. For VLAN ID, enter **2**.
   d. For VLAN Name, enter **IPCameras**.
   e. Select **Apply**.
   f. Select **Close**.
3. Configure the IPCameras VLAN ports.
   a. From the left pane, under VLAN Management, select **Port to VLAN**.
   b. Using the *VLAN ID equals to* drop-down menu, select **2**.
   c. Select **Go**.
   d. For ports GE18 through GE21, use the drop-down menus to select **Untagged**.
   e. Select **Apply**.
4. Connect the IP camera in the lobby to the VLAN and mount the IP cameras.
   a. From the top left, select **Floor 1**.
   b. Under Lobby, select **Hardware**.
   c. Under Shelf, expand **CCTV Cameras**.
   d. Drag the **IP Camera (Lobby)** to the workspace.
   e. Under Workspace, for the IP camera, select **Back** to switch to the back view of the IP camera.
   f. Under Shelf, expand **Cables** and then select the **Cat6a Cable, RJ45** cable.

g. From the Selected Component pane:
   - Drag an **RJ45 Connector** to the RJ-45 port on the IP camera wall mount plate.
   - Drag the unconnected **RJ45 Connector** to the RJ-45 port on the back of the IP camera.

h. Drag the **IP camera** to the IP camera wall plate.

5. Connect the IP camera in the Networking Closet to the VLAN and mount the IP cameras.
   a. From the top left, select **Floor 1**.
   b. Under Networking Closet, select **Hardware**.
   c. Under Shelf, expand **CCTV Cameras**.
   d. Drag the **IP Camera (Networking Closet)** to the workspace.
   e. Under Workspace for the IP camera, select **Back** to switch to the back view of the IP camera.
   f. Under Shelf, expand **Cables** and then select the **Cat6a Cable, RJ45** cable.
   g. From the Selected Component pane:
      - Drag an **RJ45 Connector** to the RJ-45 port on the IP camera mount wall plate.
      - Drag the **unconnected RJ45** cable to the RJ-45 port on the back of the IP camera.

   h. Drag the **IP camera** to the IP camera wall plate to mount the IP camera.
6. Connect the DHCP server and laptop to the VLAN.
   a. From the Networking Closet, under Shelf, select **Cat6a Cable, RJ45**.
   b. From the Selected Component pane:
      - Drag an **RJ45 Connector** to port 21 on the switch.
      - Drag the unconnected **RJ45 Connector** to port 21 on the patch panel.

7. Connect IT-Laptop5 to the VLAN.
   a. From the top menu, select **Floor 1**.
   b. Under IT Administration, select **Hardware**.
   c. Above IT-Laptop5, select **Back** to switch to the back view of the laptop.
   d. Under Shelf, select **Cat6a Cable, RJ45**.
   e. From the Selected Component pane:
      - Drag an **RJ45 Connector** to the RJ-45 port on the laptop.
      - Drag the unconnected **RJ45 Connector** to the open RJ-45 port on the wall plate.

      To verify that all components are connected, you can change the location to the Network Closet hardware view. You should see green link/activity lights on ports 18 - 21 of the switch.

8. Launch the IP camera monitoring software.
   a. Under the laptop's workspace, select **Front**.
   b. On the IT-Laptop5, select **Click to view Windows 10**.
   c. From the taskbar, select **Start**.
   d. Select **IP Cameras**.
   e. Verify that both cameras are detected on the network.