

CHRISTIE LITES

Switch Fiber OS12/4 - Setup

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INTRODUCTION

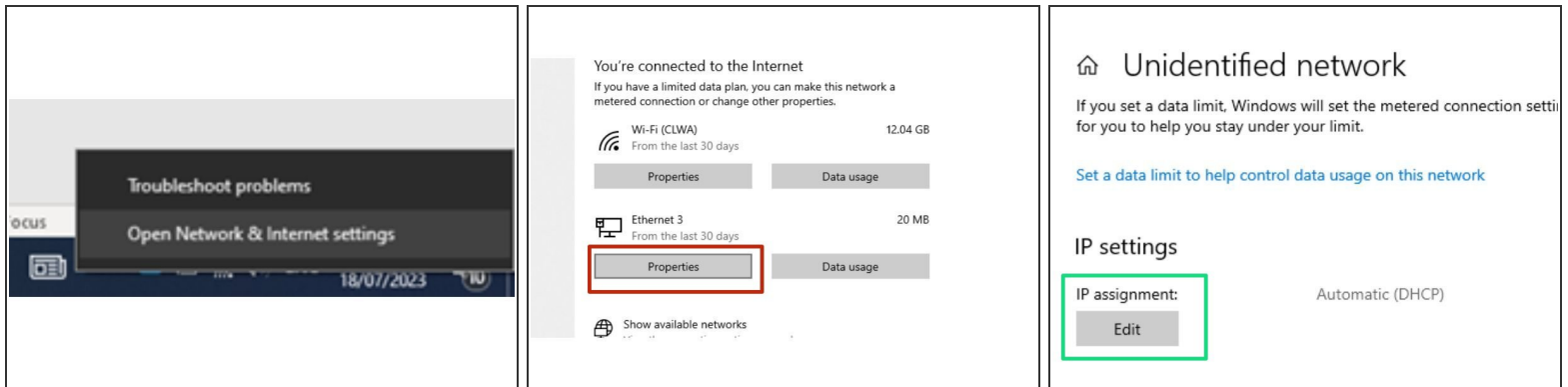
Christie Lites Network Switch Setup

The following guide will walk you through how to setup a Christie Lites **Fiber Switch OS12/4 Network Switch** using an example set up with 5 VLANs and Fiber Trunks.

Step 1 — Power and connect the switches

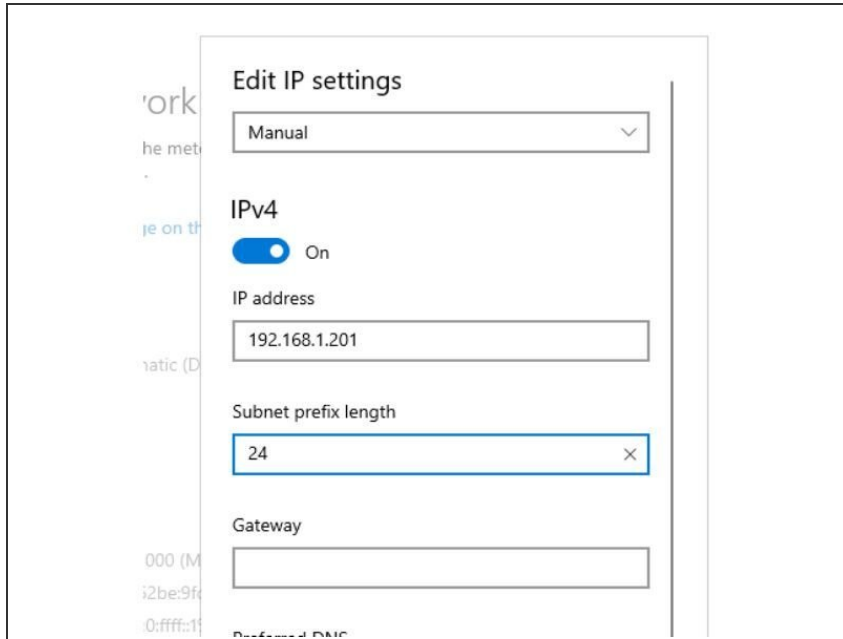
- Power up the switches and connect fiber cables between the units
- Link Laptop switches using USB to Network adaptor

Step 2 — Set IP address of USB to network adaptor



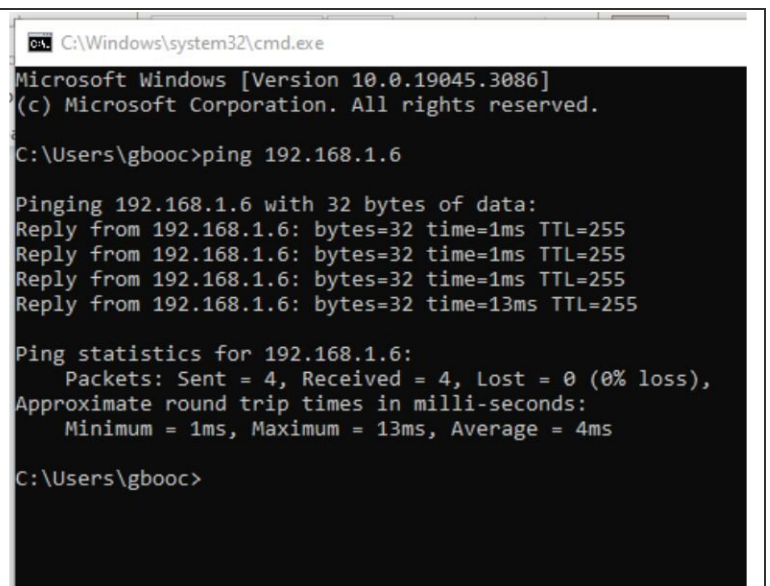
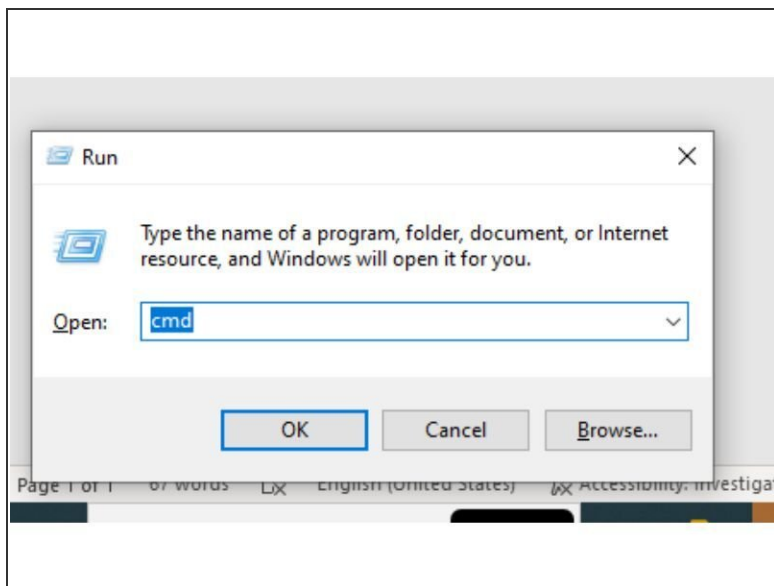
- Right click the Wifi symbol on the bottom right of screen, and select '**Open Network and Internet Settings**'
- Under Ethernet select **Properties**
- Under **IP Settings** and **IP assignment** select **Edit**

Step 3



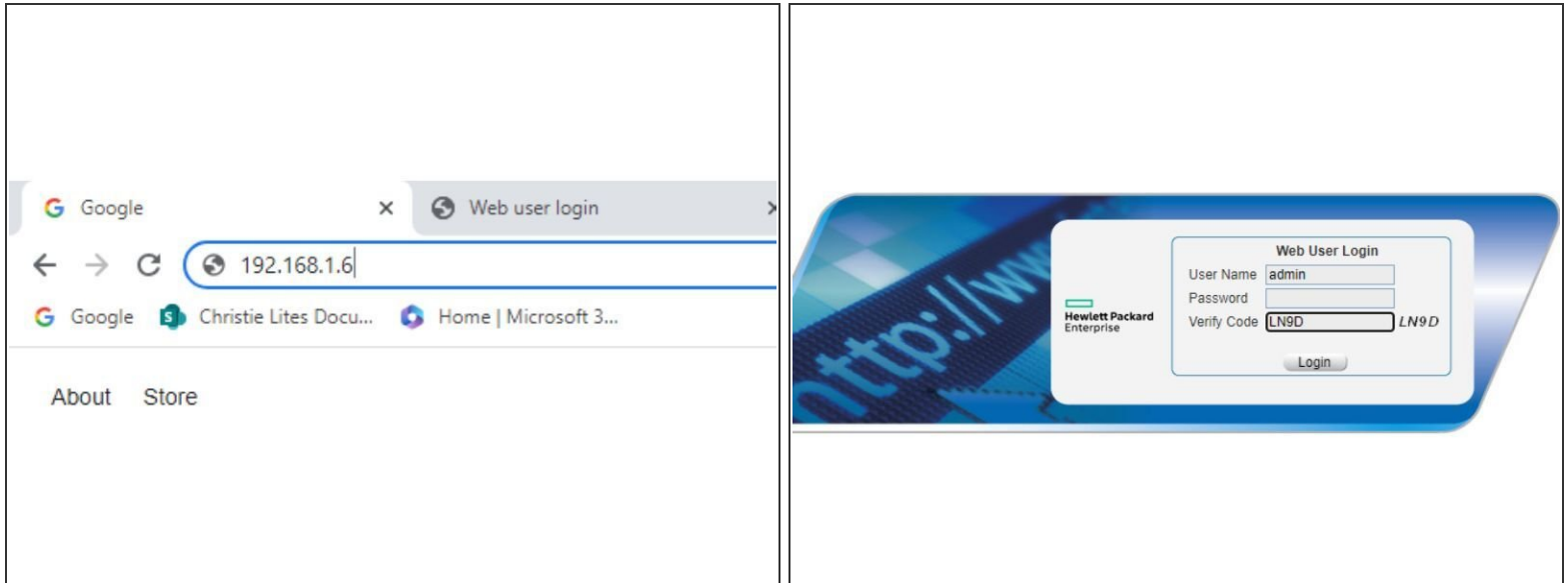
- Change the **IP settings** to **Manual** and set **IPv4** to **On**
- Use IP address **192.168.1.201** and a Subnet Prefix of **24**
- ① Leave Gateway empty

Step 4 — Ping the switch



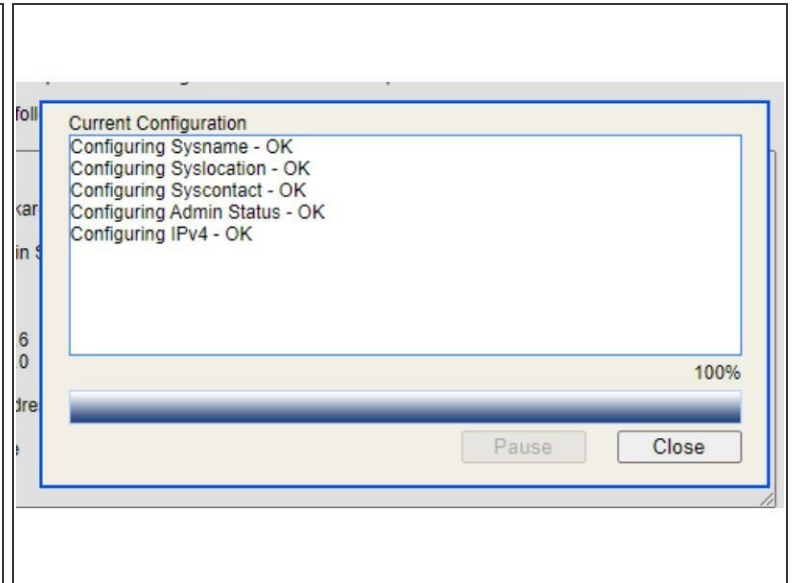
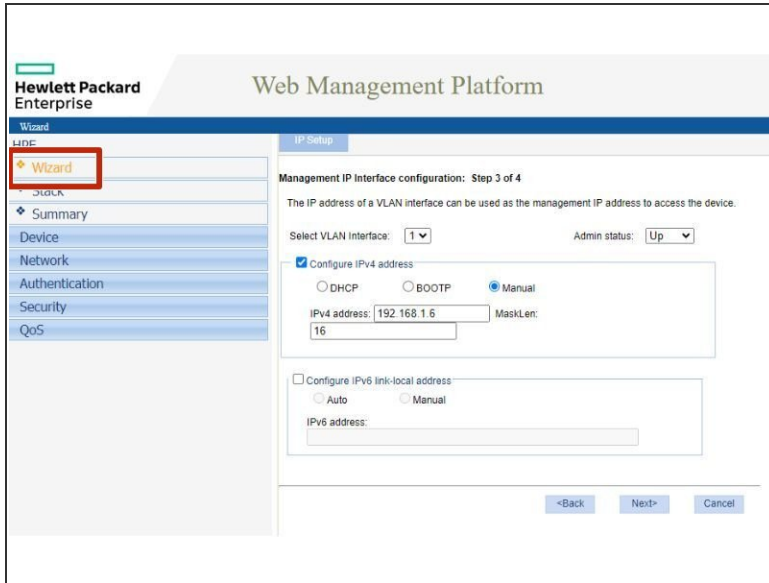
- Open **Command Prompt** using (**Windows Key + R, cmd**)
- Ping the switch by typing **ping 192.168.1.6** to ensure you have a proper connection
- ① Reach out to Support if after confirming the IP of the adaptor is set correctly, you are unable to ping the switch

Step 5 — Access the HP set up window



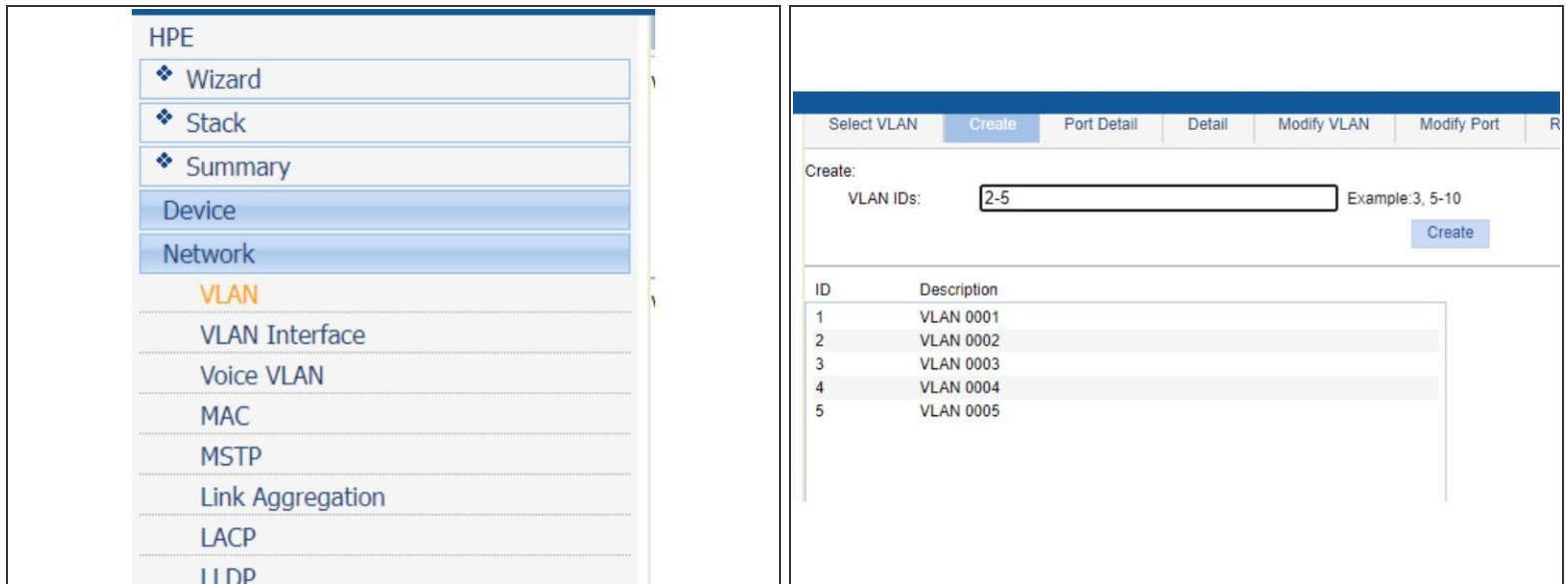
- Open a web browser and type the switch IP address into the address bar
 - ⓘ Try a different browser if you can't seem to reach the switch at first before reaching out to Support
- **User name = admin**, there is no password but do fill in the **Verify code** that appears next to the text field

Step 6 — Set your own IP address



- Select **WIZARD** from the menu list and select the **NEXT** button until you get to the **IP setup page**, here you can set the IP address of the switch to what you need it to be
- Select **NEXT** button then the **FINISH** button on the last page of the Wizard
- Once the Config is 100%, close the popup

Step 7 — Configure the switch



The screenshot shows the configuration interface for a switch. On the left is a menu with the following items: HPE, Wizard, Stack, Summary, Device, Network, VLAN (highlighted in orange), VLAN Interface, Voice VLAN, MAC, MSTP, Link Aggregation, LACP, and LLDP. On the right is the 'Create' tab for VLAN configuration. It features a 'VLAN IDs' input field containing '2-5' and an 'Example: 3, 5-10' label. A 'Create' button is located to the right of the input field. Below this is a table with the following data:

ID	Description
1	VLAN 0001
2	VLAN 0002
3	VLAN 0003
4	VLAN 0004
5	VLAN 0005

- Select **NETWORK** from menu list and then **VLAN**
- Select **CREATE** tab along the top
- Add IDs (2-5)
- Select **CREATE** button and it will populate the table

Step 8

Summary Create Modify Remove

Enter Link Aggregation Interface ID: (1-10)

Specify Interface Type:

Static (LACP Disabled) Note: The type of the link aggregation interface set here overwrites the existing LACP settings of the ports in the link aggregation interface.

Dynamic (LACP Enabled)

Select port(s) for the link aggregation interface:

3CR89G2993

Select All Select None

Selected Ports:

Members of the link aggregation interface to be created.

Unselected Ports:

Not a member of any link aggregation interface, and LACP is disabled on this port.

LACP has been enabled on this port.

Members of existing link aggregation interfaces.

Summary:

Aggregation Interface ID	Member Ports	Aggregation Interface Type
2		Static

Apply Cancel

- Select **LINK AGGREGATION** from menu list
- Select **CREATE** tab at top
- Select port 17 & 18
- Make sure the interface type **STATIC** is selected
- Select **APPLY** button

Step 9

Select VLAN Create Port Detail Detail Modify VLAN Modify Port Remove

Select Ports

HPE 1920-16G Sw...

Aggregation ports

BAGG1

Select All Select None

Not available for selection

Select membership type:

Untagged Tagged Not A Member Link Type PVID

Enter VLAN IDs to which the port is to be assigned:

VLAN IDs: Example: 1,3,5-10

Selected ports:

Untagged Membership

GE1/0/1

Apply Cancel

- Select **MODIFY PORT** tab
- Select the port you want to modify (number of port will turn blue when selected)
- Give the **VLAN** an ID (in photo's case, 1)
- Make sure it is **UNTAGGED**
- Select the **APPLY** button
- Repeat this for the first four ports, Port 1 – ID = 1 Port 2 – ID = 2 etc.

Step 10

Select VLAN | Create | Port Detail | Detail | Modify VLAN | **Modify Port** | Remove

Select Ports

3CRBSG2093

Aggregation ports

BAGG1

Select All | Select None | Not available for selection

Select membership type:

Untagged Tagged Not A Member Link Type PVID

Enter VLAN IDs to which the port is to be assigned:

VLAN IDs: Example: 1,3,5-10

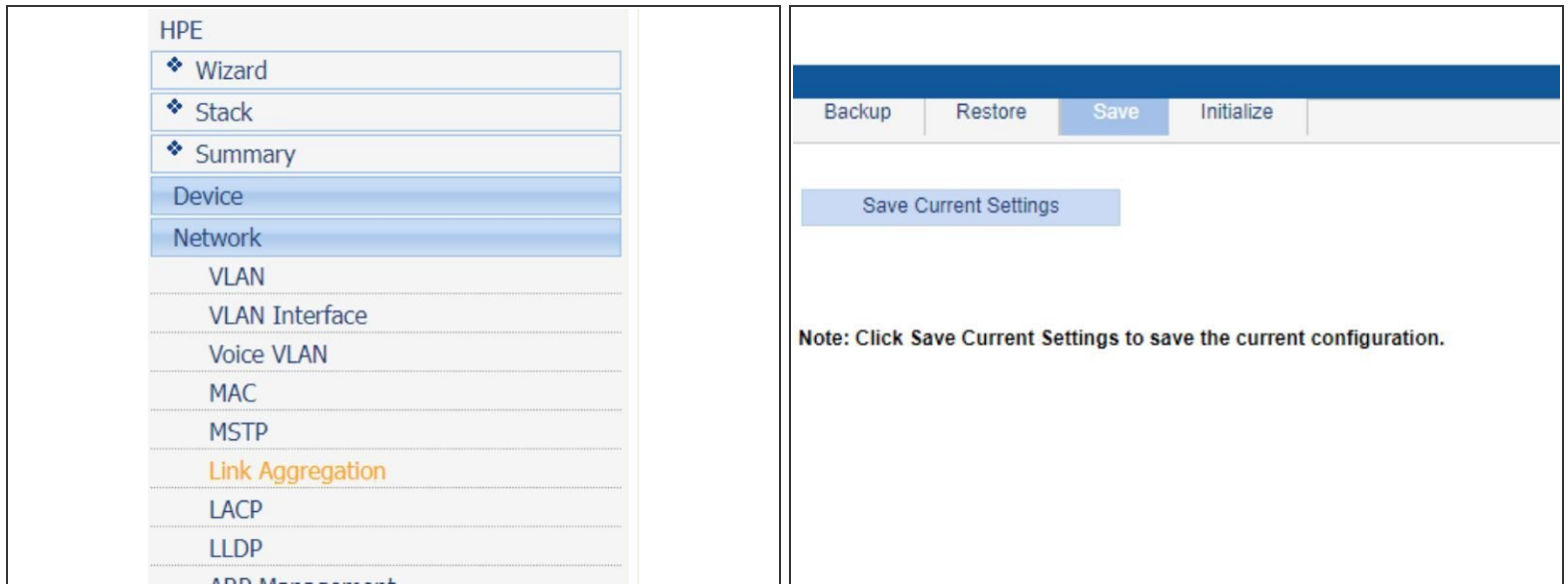
Selected ports:

Tagged Membership
BAGG1

Apply | Cancel

- Select **TAGGED**
- Click on Aggregation Ports (**BAGG1**) to populate membership box
- VLAN ID = 1-5
- Select **APPLY** button

Step 11 — Save your configurations

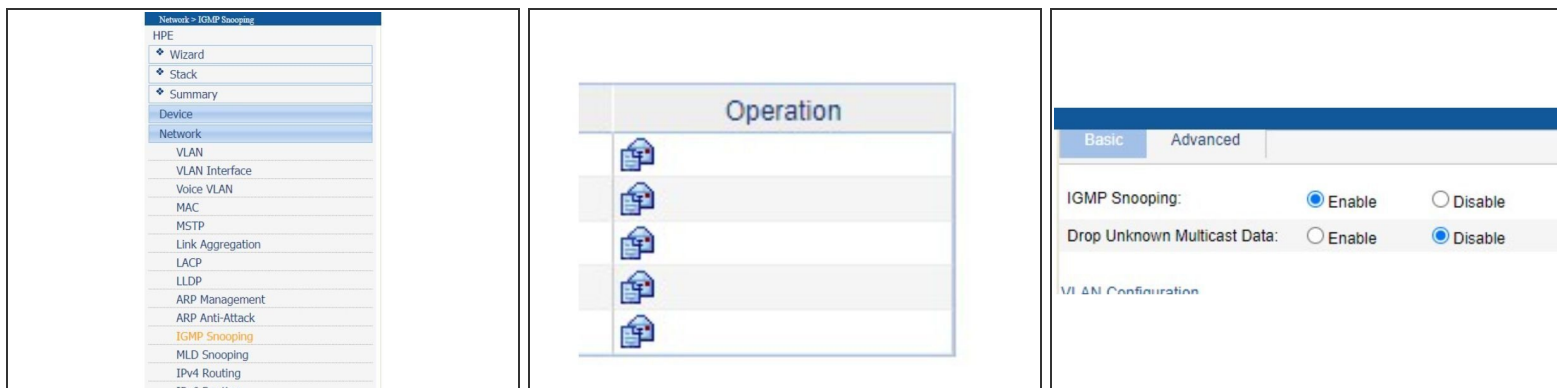


The screenshot shows the HPE configuration interface. On the left, a menu list includes: Wizard, Stack, Summary, Device, Network, VLAN, VLAN Interface, Voice VLAN, MAC, MSTP, Link Aggregation, LACP, and LLDP. The 'Device' menu item is highlighted. On the right, the 'Save' tab is selected in a top navigation bar, and a 'Save Current Settings' button is visible. A note below the button reads: 'Note: Click Save Current Settings to save the current configuration.'

! It is very important to save the configuration changes made, otherwise all will be lost.

- Select **DEVICE** from menu list and select **CONFIGURATION**
 - Select **SAVE** tab at top
 - Select **SAVE CURRENT SETTINGS** button
- i** Repeat from opening the browser for the second switch and so on

Step 12 — Enabling IGMP Snooping



- Select **NETWORK** from the menu and then **IGMP SNOOPING**
- Select the **ENVELOPE** icon for the **VLAN** you are modifying
- Select **ENABLE** to active IGMP snooping
- ⓘ Note – This will need doing on **at least two of the VLANs**