

How to config VLAN for IP phone

Due to customer would like to add VLAN ID 123 for Voice VLAN to the system. In the old system have VLAN ID 140 for CCTV system and VLAN ID 220 for data system. For how to add Voice VLAN for this system, please follow the instruction belows.

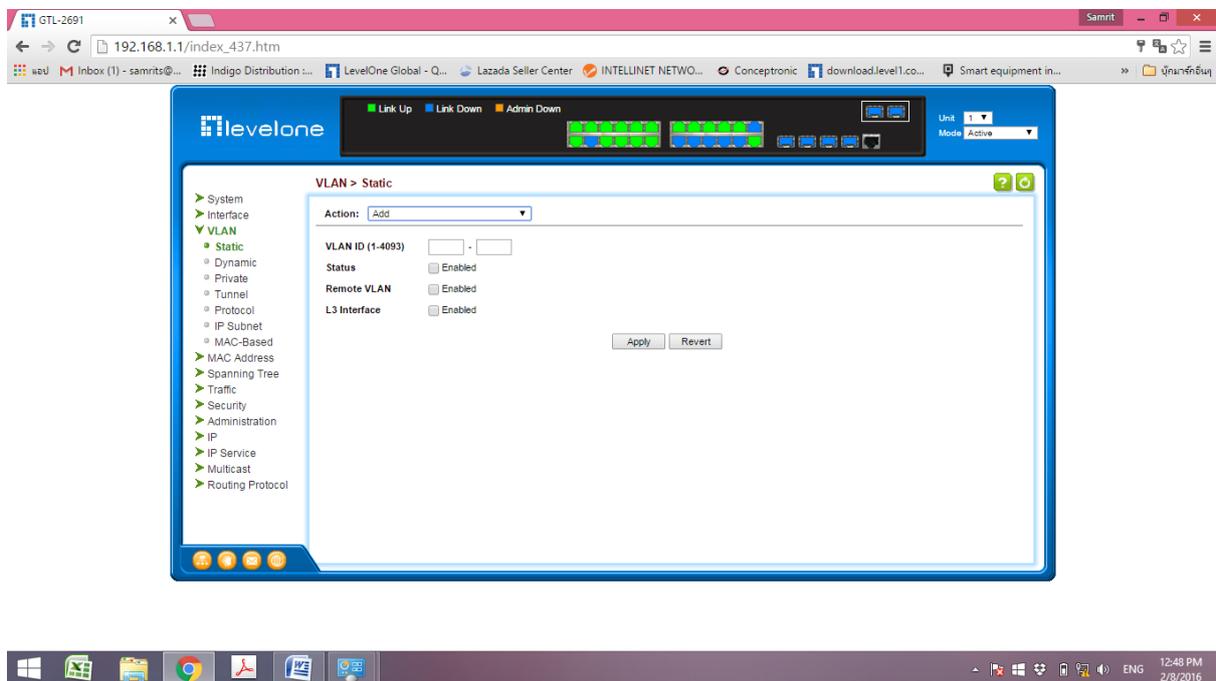
IP Range for this system:

IP Range for Voice VLAN : 10.34.123.0 – 10.34.123.254 , Subnet Mask: 255.255.255.0

IP Range for CCTV VLAN : 10.34.140.0 – 10.34.140.254 , Subnet Mask: 255.255.255.0

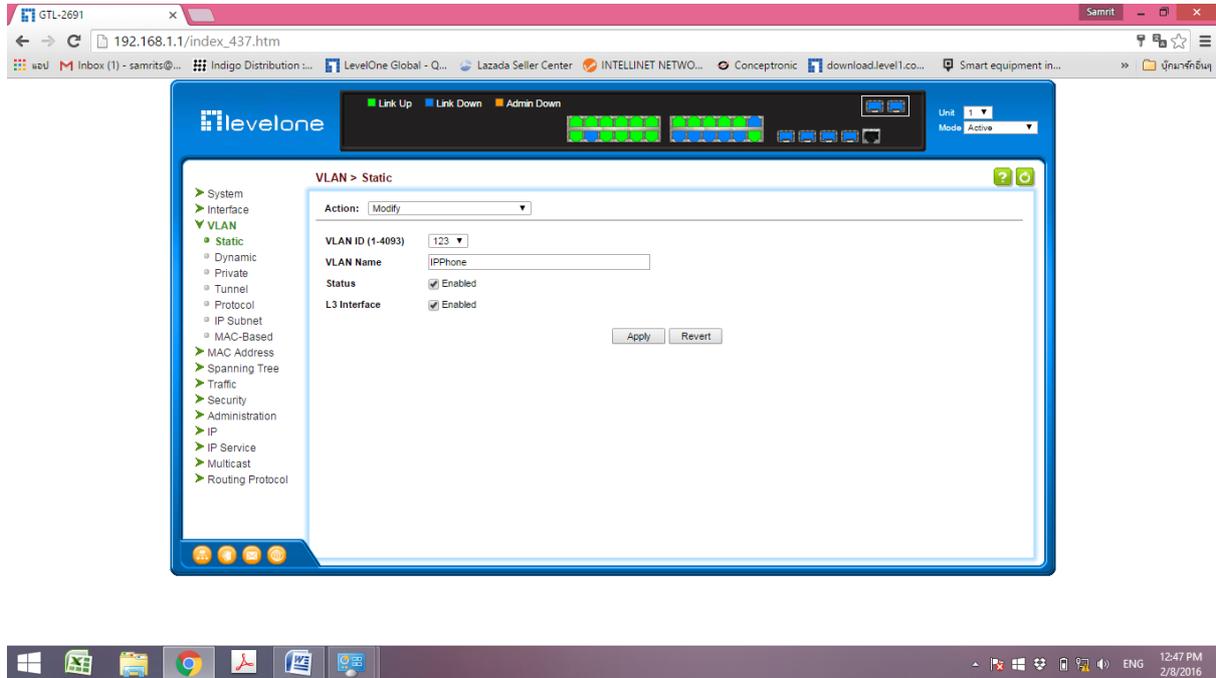
IP Range for DATA VLAN : 10.34.220.0 – 10.34.220.254 , Subnet Mask: 255.255.255.0

1. Go to web managed type **http://192.168.1.1** in the address row in a browser, it will show the following screen and ask you inputting username and password in order to login and access authentication. **The default username is “admin” and password is admin.**
2. Go to “VLAN > Static”
 - a. Action = Add
 - b. Type VLAN ID
 - c. Status = Enable, L3 Interface = Enable
 - d. Apply

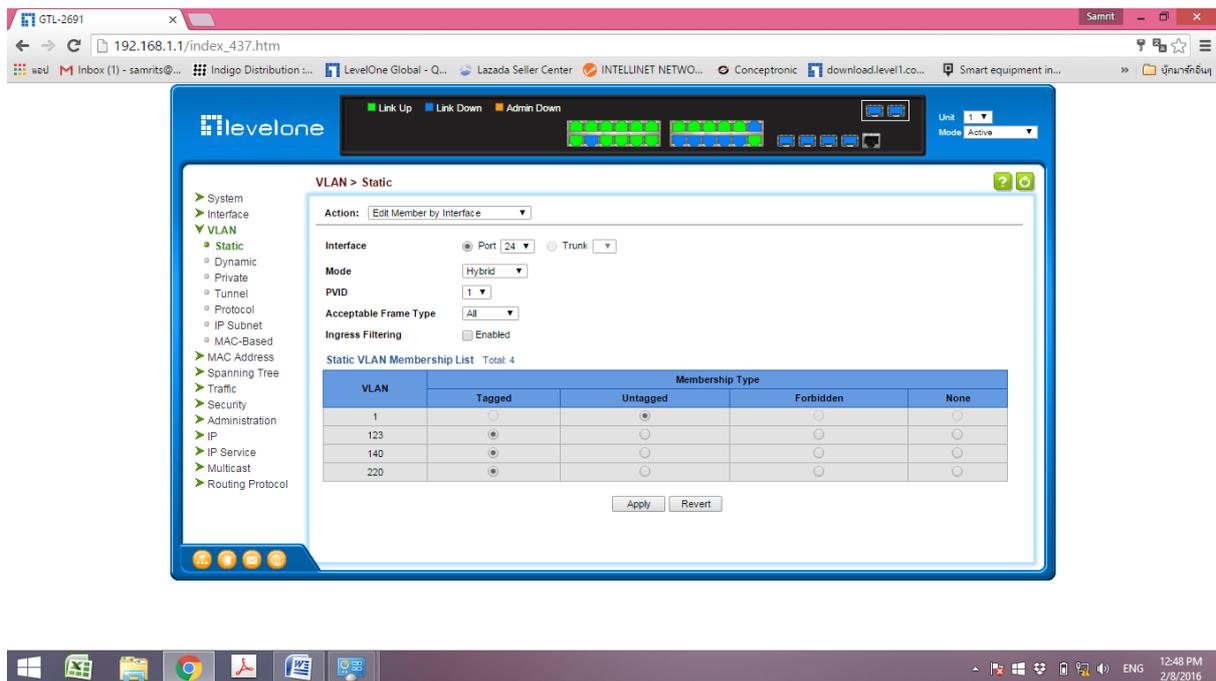


3. Go to "VLAN > Static"

- a. Action = Modify
- b. VLAN Name = Type your VLAN Name
- c. Status = Enable , Status = Enable, L3 Interface = Enable
- d. Apply



4. Assign port Member to VLAN for uplink port to CISCO's switch.
In this case is port number 24.
 - a. Interface Port = 24
 - b. Mode = Hybrid
 - c. PVID = 1
 - d. Acceptable Frame Type = All
 - e. VLAN ID 123, 140, 220 = Tagged
 - f. Apply



5. Assign port Member to VLAN for uplink port to HP's switch.
In this case is port number 21.
 - a. Interface Port = 21
 - b. Mode = Hybrid
 - c. PVID = 140
 - d. Acceptable Frame Type = All
 - e. VLAN ID 123, 140 = Untagged
 - f. VLAN ID 220 = Tagged
 - g. Apply

The screenshot displays the LevelOne web management interface. The main content area is titled "VLAN > Static". Under the "Action:" dropdown, "Edit Member by Interface" is selected. The configuration fields are as follows:

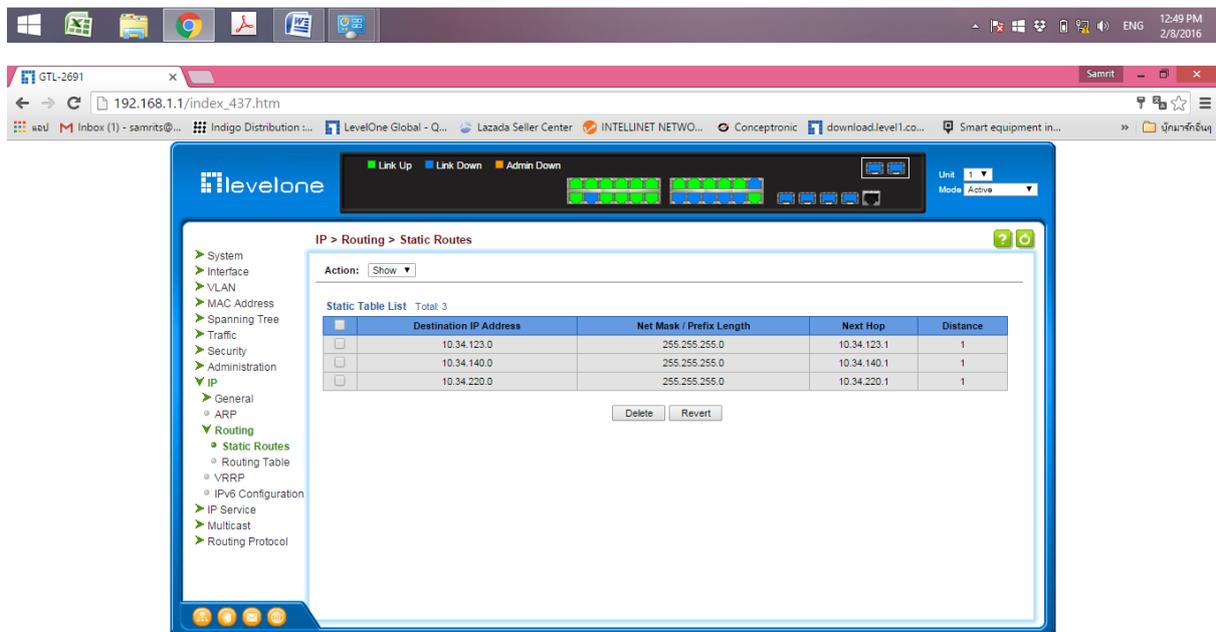
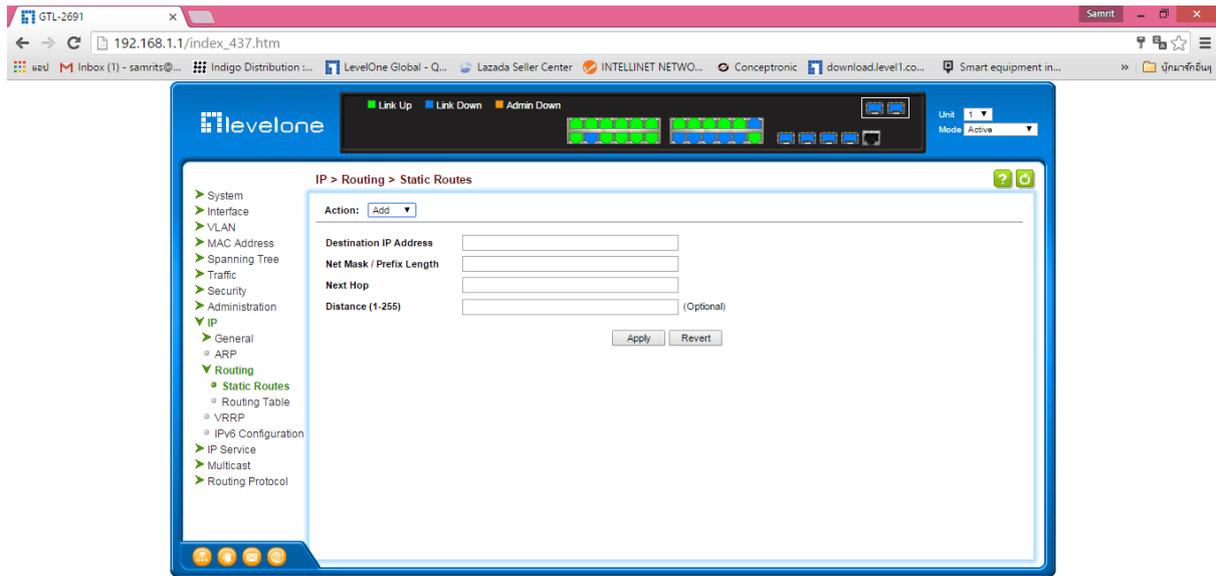
- Interface: Port [21] Trunk []
- Mode: Hybrid
- PVID: 140
- Acceptable Frame Type: All
- Ingress Filtering: Enabled

Below the configuration fields is the "Static VLAN Membership List" with a total of 4 members. The table is as follows:

VLAN	Membership Type			
	Tagged	Untagged	Forbidden	None
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
123	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
140	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
220	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

At the bottom of the table are "Apply" and "Revert" buttons.

6. Go to menu "IP > Routing"
 - a. Action = Add
 - b. Destination IP Address = 10.34.123.0
 - c. Net Mask/ Prefix Length = 255.255.255.0
 - d. Next Hop = 10.34.123.1
 - e. Apply



7. Assign Mac address of IP Phone to Mac Base VLAN 123.
 - a. Go to “VLAN > MAC Based”
 - b. Action = add
 - c. MAC Address = Type Mac address of your ip phone
 - d. VLAN ID =123
 - e. Priority = 1
 - f. apply

