Configure VLAN Interface Settings on 200/300 Managed Switches

Objectives

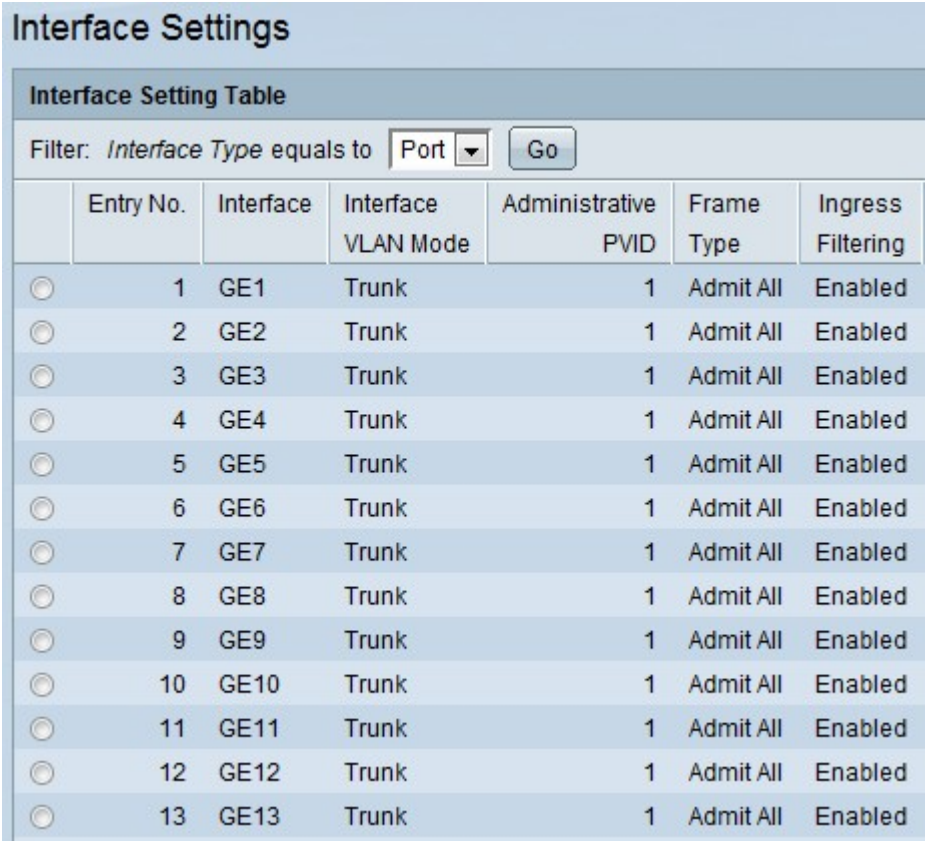
This article explains the configuration of VLAN interface settings on the 200/300 Managed switches. A VLAN is a group of ports that enables devices associated with it to communicate between each other over the Ethernet MAC layer, regardless of the physical LAN of the network to which they are connected. VLAN interface settings are used to set the interface of the switch to which the parameters are defined.

Applicable Devices

- 200/300 Series Managed Switches

Configuration

Step 1. Log in to the web configuration utility and choose **VLAN Management > Interface Settings**. The *Interface Settings* page opens:



Interface Settings

Interface Setting Table

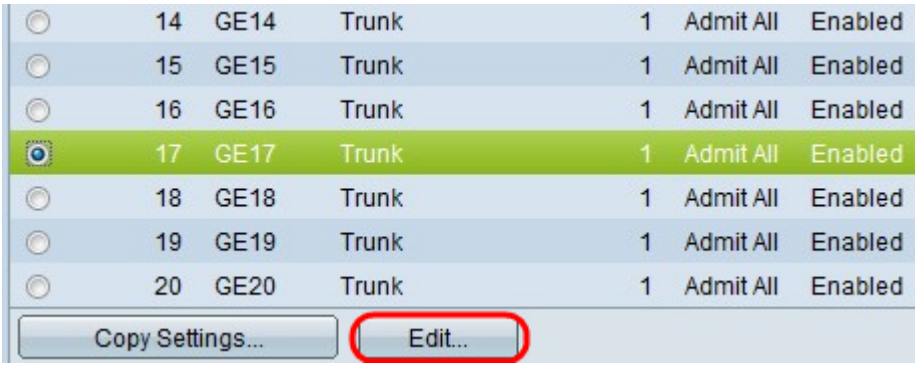
Filter: *Interface Type* equals to Port Go

	Entry No.	Interface	Interface VLAN Mode	Administrative PVID	Frame Type	Ingress Filtering
	1	GE1	Trunk	1	Admit All	Enabled
	2	GE2	Trunk	1	Admit All	Enabled
	3	GE3	Trunk	1	Admit All	Enabled
	4	GE4	Trunk	1	Admit All	Enabled
	5	GE5	Trunk	1	Admit All	Enabled
	6	GE6	Trunk	1	Admit All	Enabled
	7	GE7	Trunk	1	Admit All	Enabled
	8	GE8	Trunk	1	Admit All	Enabled
	9	GE9	Trunk	1	Admit All	Enabled
	10	GE10	Trunk	1	Admit All	Enabled
	11	GE11	Trunk	1	Admit All	Enabled
	12	GE12	Trunk	1	Admit All	Enabled
	13	GE13	Trunk	1	Admit All	Enabled

Step 2 . Choose an interface from the *Interface Type* drop-down list.

Step 3. Click **Go** to bring up a list of ports or LAGs on the interface

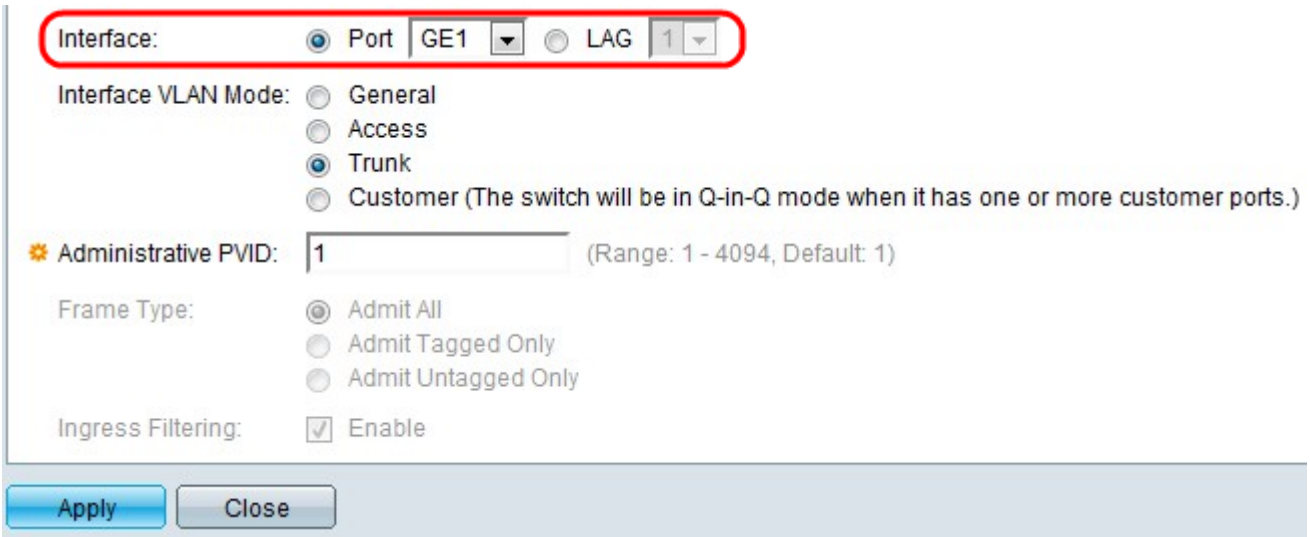
Step 4. Click the radio button of the port or LAG you want to modify and click **Edit**. The *Edit* window appears:



Step 5. Click the radio button that corresponds to the desired interface in the *Interface* field.

• Port — From the Port drop-down list choose the port to configure. This will only affect the single port chosen.

• Lag — From the LAG drop-down list choose the LAG to configure. This will affect the group of ports defined in the LAG configuration.



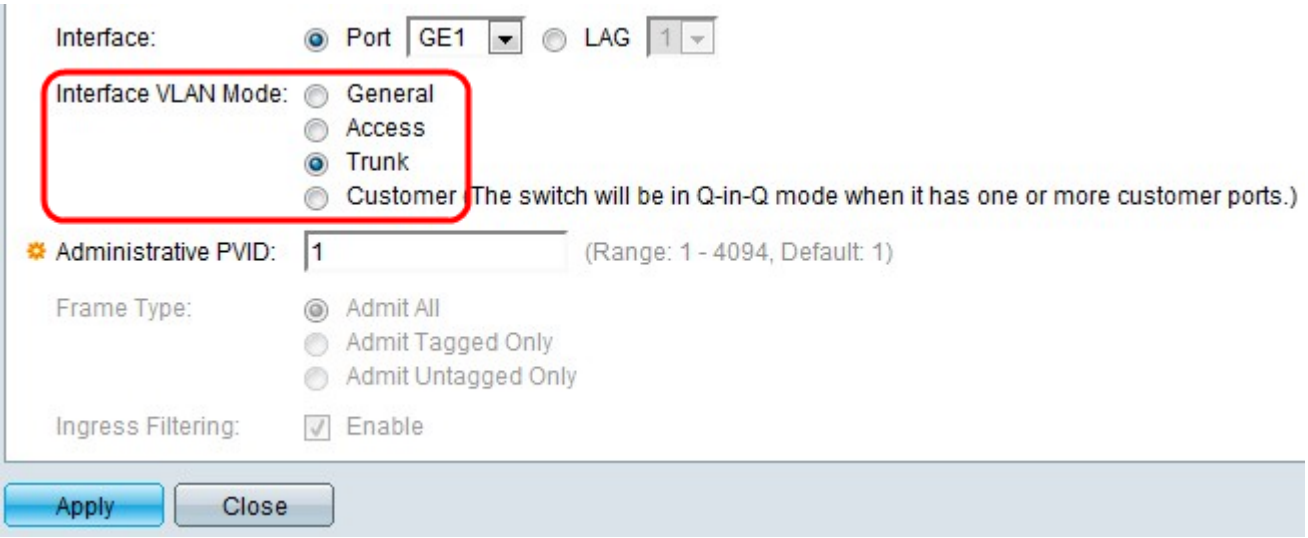
Step 6. Click the ***Interface VLAN Mode*** radio buttons to choose the mode of the interface.

• General — General mode is more flexible. It can transmit tagged or untagged packets in the selected VLANs.

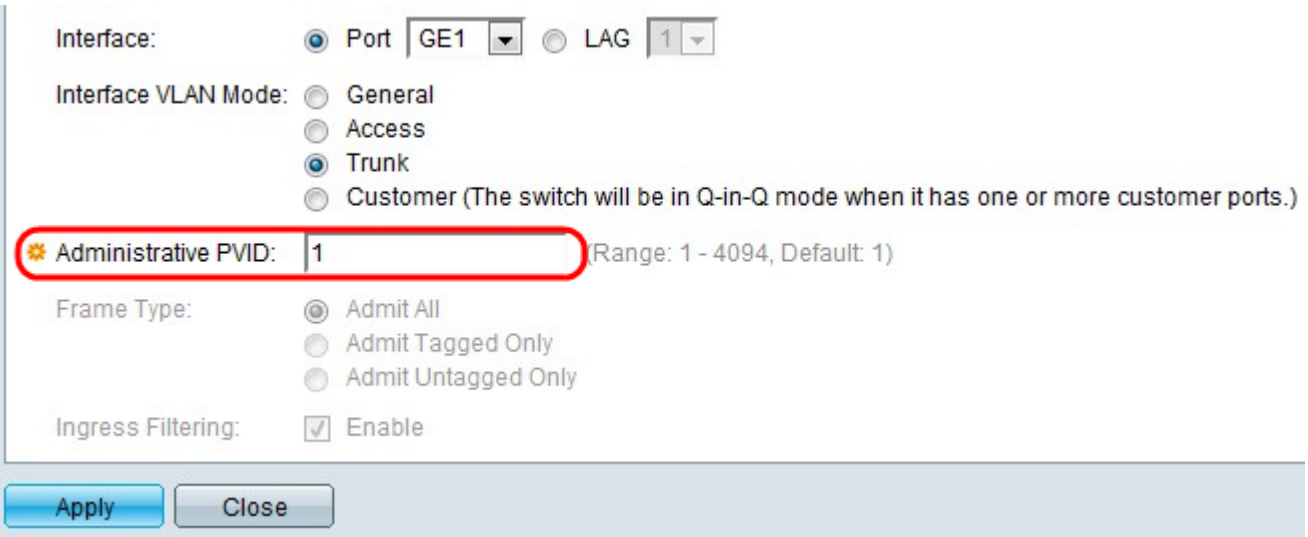
• Access — Specify the VLAN traffic carried by the access mode interface. The access mode port only sends and accepts untagged frames on the specific VLAN.

• Trunk — Designed to connect 2 switches. Carries both untagged packets and tagged packets.

• Customer — The switch interface will be in Q-in-Q mode when customer has one or more ports. Enables the user to use their own VLAN arrangements across the provider network.

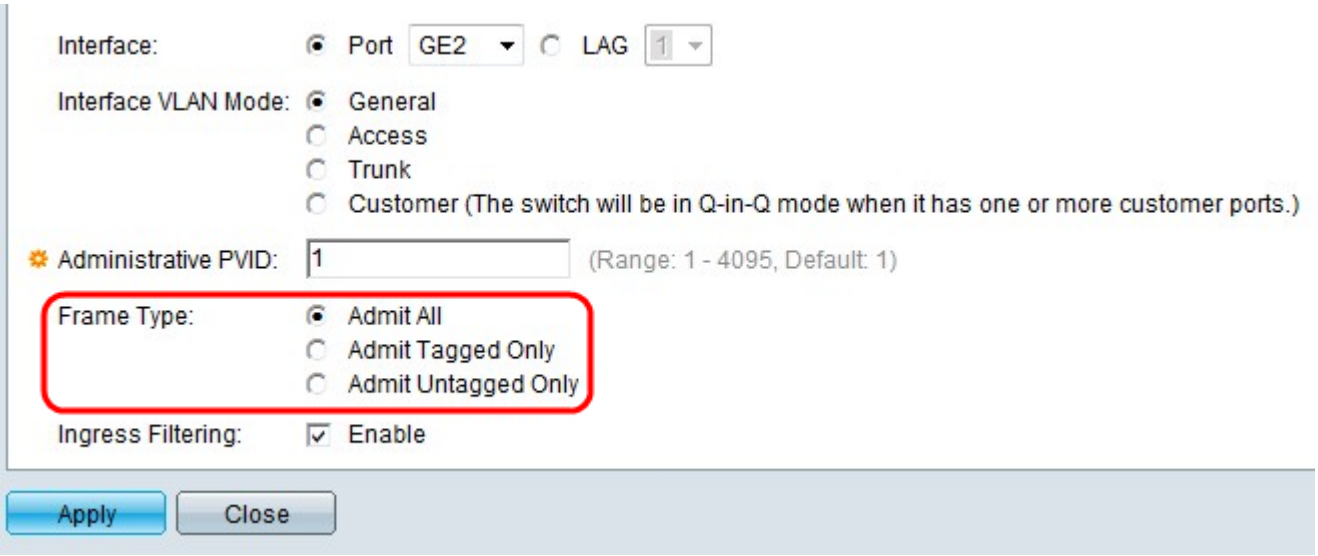


Step 7. Enter the administrative PVID value in the *Administrative PVID* field. This is the Port VLAN ID (PVID) of a VLAN to which the untagged or priority tagged frames are given a value to identify. It has a range from 1 - 4094.

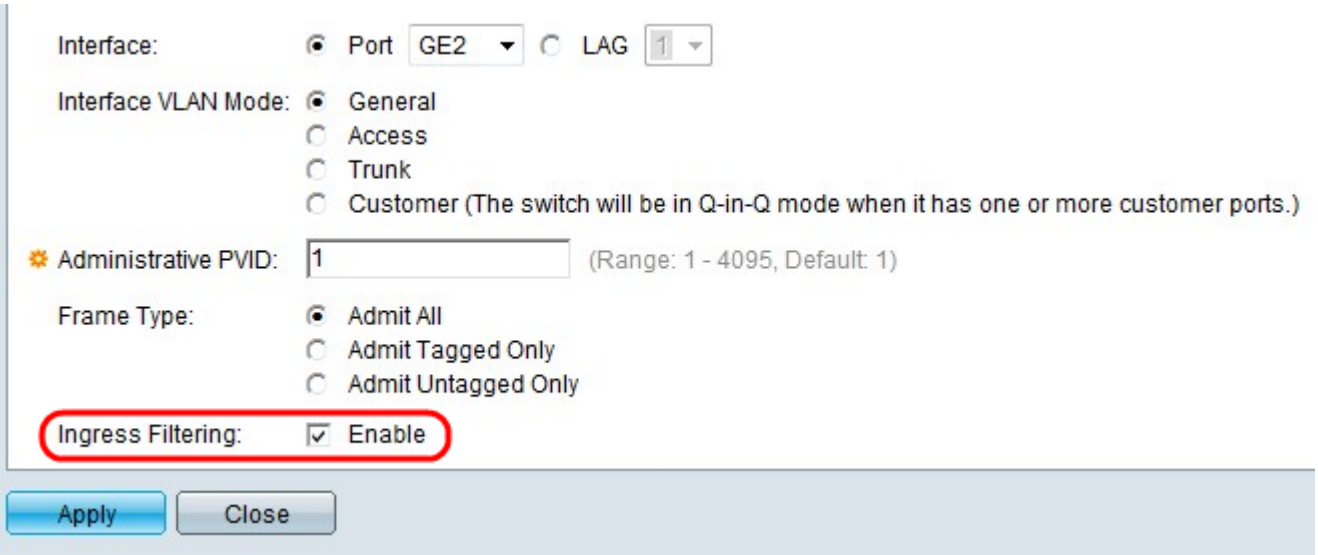


Step 8. The *Frame Type* fields are enabled only when you click the **General Mode** from Step 6. It differentiates which frame is to be recieved or discarded.

- Admit All — Accepts all types of frames like untagged frames or tagged frames or priority tagged frames.
- Admit Tagged Only — Accepts only tagged frames.
- Admit Untagged Only — Accepts only untagged and priority frames.



Step 9. The *Ingress Filtering* fields are enabled only when you click the **General Mode** from Step 6. Check **Enable** under the *Ingress Filtering* field to enable Ingress Filtering. It discards all the incoming frames to that interface which are not the member of VLANs.



Step 10. Click **Apply**.

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