Smartport Interface Settings on Sx500 Stackable Switches

Objective

Smartport is an interface to which a user-defined or built-in macros could be applied. Macros help to quickly configure the switch to support communication requirements and utilize various features of the network devices. Network access and QoS requirements depends on the device to which the interface is connected (IP phone, printer, router, Access Point). Smarport feature allows to save and share common configurations.

This article explains how to edit the smartport type settings and view the macro source.

Applicable Devices

• Sx500 Series Stackable Switches

Interface Settings

Step 1. Log in to the Switch Configuration Utility and choose **Smartport > InterfaceSettings**. The *Interface Settings* page opens:

Interface Settings Table

Filter: _Interface Type_ equals to [Port of Unit 2/1 ▾]

☐ _Smartport Type_ equals to [Unknown ▾] [Go]

	Entry No.	Interface	Interface Status	Smartport Type	Smartport Application Method	Persistent Status
○	1	GE1	Down	Default	Auto Smartport	Disabled
○	2	GE2	Down	Default	Auto Smartport	Disabled
○	3	GE3	Up	Default	Auto Smartport	Disabled
○	4	GE4	Down	Default	Auto Smartport	Disabled
○	5	GE5	Down	Default	Auto Smartport	Disabled
○	6	GE6	Down	Default	Auto Smartport	Disabled
○	7	GE7	Down	Default	Auto Smartport	Disabled
○	8	GE8	Down	Default	Auto Smartport	Disabled
○	9	GE9	Down	Default	Auto Smartport	Disabled
○	10	GE10	Down	Default	Auto Smartport	Disabled
○	11	GE11	Down	Default	Auto Smartport	Disabled
○	12	GE12	Down	Default	Auto Smartport	Disabled
○	13	GE13	Down	Default	Auto Smartport	Disabled
○	14	GE14	Down	Default	Auto Smartport	Disabled
○	15	GE15	Down	Default	Auto Smartport	Disabled
●	16	GE16	Down	Default	Auto Smartport	Disabled
○	17	GE17	Down	Default	Auto Smartport	Disabled
○	18	GE18	Down	Default	Auto Smartport	Disabled
○	19	GE19	Down	Default	Auto Smartport	Disabled
○	20	GE20	Down	Default	Auto Smartport	Disabled
○	21	GE21	Down	Default	Auto Smartport	Disabled
○	22	GE22	Down	Default	Auto Smartport	Disabled
○	23	GE23	Down	Default	Auto Smartport	Disabled
○	24	GE24	Down	Default	Auto Smartport	Disabled
○	25	GE27	Down	Default	Auto Smartport	Disabled
○	26	GE28	Down	IP Phone + Desktop	Static	Disabled

[Copy Settings...] [Edit...] [Show Diagnostics] [Reapply] [Reset All Unknown Smartports]

Step 2. To activate Auto Smartport or assign a Smartport type to an interface click the radio button next to the interface and then click **Edit.** The _Edit Interface Settings_ window appears:

Step 3. The smartport type currently associated with the port/LAG is displayed in the Smartport Type field. From the Smartport Application drop-down list choose a particular smartport type. Smartport Application Method field display the way the smartport application is applied on the port/LAG. For example if Auto Smartport is chosen from the Smarport Application drop-down list then smarport type is assigned based on the CDP and LLDP advertisement received from the connected devices.

Step 4. Check the **Persistent Status** check box if you want the smartport type of an interface to remain when the interface goes down or when the switch is rebooted. This option is applicable only when the Smartport Application is set to Auto Smartport.

Step 5. Macro Parameters contains three parameters. $max_hosts is the first parameter and this contains the maximum number of devices allowed on the port. To edit this parameter enter the required value in the Parameter 1 Value field.

Step 6. $native_vlan is the second parameter and this contains the VLAN ID. VLAN is a group of hosts which are physically not attached but still communicate as if they are in the same broadcast domain. To edit this parameter enter the required value in the Parameter 2 Value field.

Step 7. $voice_vlan is the third parameter. The voice VLAN feature enables access ports to carry IP voice traffic from an IP phone. This value is fixed and cannot be edited.

Step 8. Click **Apply** to save the configuration.

Step 9. Click **Close** to return to *Interface Settings* page.

Step 10. (Optional) If you wan to copy the interface settings of an interface to many other interfaces click the radio button next to the particular interface and then click **Copy Settings** .

Copy configuration from entry 21 (GE21)

to: 3,6-10   (Example: 1,3,5-10 or: GE1,GE3-GE5)

Apply   Close

Step 11. Now enter the required interface values in the Copy configuration field.

Step 12. Click **Apply** to save the settings.

Step 13. Click **Close** to return to *Interface Settings* page.