CHAPTER 5

VAS Configuration Example

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Configuration Examples for VAS

Following is an example illustrating the steps in configuring VAS traffic forwarding, first on the SCE platform and then from the SCA BB Console. This example shows how to configure one VAS group. This group will forward traffic to VAS servers for content filtering.

Configuring the SCE Platform

In configuring the SCE platform for VAS traffic forwarding, the purpose of the traffic forwarding is irrelevant. It is only necessary to know how many servers there are, how many server groups, and which servers should be assigned to which groups.

	Command	Purpose
Step 1	enable 15	Access the root level to configure the pseudo IP address.
Step 2	**configure** **interface range GigabitEthernet 3/0/0-1**	Enter Gigabit Ethernet Interface configuration mode for the relevant range of GBE interfaces.
Step 3	**pseudo-ip** *1.1.1.1 255.255.255.252*	Configure the pseudo IP address for the health check.
Step 4	exit **interface linecard 0**	Enter Interface Linecard configuration mode.
Step 5	**shutdown**	Shutdown the line card when configuring VAS servers and groups.
Step 6	**VAS-traffic-forwarding**	Set the SCE platform to forward VAS traffic (enable VAS traffic forwarding).
Step 7	**VAS-traffic-forwarding traffic-link** *link-0*	Set the VAS traffic forwarding link to link-0.
Step 8	**VAS-traffic-forwarding VAS server-id** *0* **VLAN** *600* **VAS-traffic-forwarding VAS server-id** *1* **VLAN** *601* **VAS-traffic-forwarding VAS server-id** *2* **VLAN** *602*	Assign VAS servers 0 to 2 to VLAN 600 to 602 respectively.

	Command	Purpose
Step 9	**VAS-traffic-forwarding VAS server-group** *0* **server-id** *0* **VAS-traffic-forwarding VAS server-group** *0* **server-id** *1* **VAS-traffic-forwarding VAS server-group** *0* **server-id** *2*	Map VAS servers to server group 0, allowing server redundancy within the group.
Step 10	**VAS-traffic-forwarding VAS server-id** *0* **health-check UDP ports source** *63154* **destination** *63155* **VAS-traffic-forwarding VAS server-id** *1* **health-check UDP ports source** *63156* **destination** *63157* **VAS-traffic-forwarding VAS server-id** *2* **health-check UDP ports source** *63158* **destination** *63159*	Define UDP ports for health check on VAS servers.
Step 11	**VAS-traffic-forwarding VAS server-group** *0* **failure minimum-active-servers** *2*	Configure the minimum number of servers required.
Step 12	**VAS-traffic-forwarding VAS server-group** *0* **failure action block**	Configure the failure action to “block”.
Step 13	**no shutdown**	Restart the line card.

Configuring the SCA BB Application for VAS Traffic Forwarding

After the SCE platform has been configured, open the SCA BB console to configure VAS traffic forwarding in the SCA BB application. While configuring the SCA BB application for VAS traffic forwarding, the purpose of the traffic forwarding is relevant. So, assign meaningful names to the VAS server groups and traffic forwarding tables.

This example illustrates how to configure the SCA BB application to forward traffic for content filtering. The VAS server group and the traffic forwarding table are both named ‘Content Filtering’. A package is created, named ‘VAS Package’, and the Content Filtering table is assigned to that package.

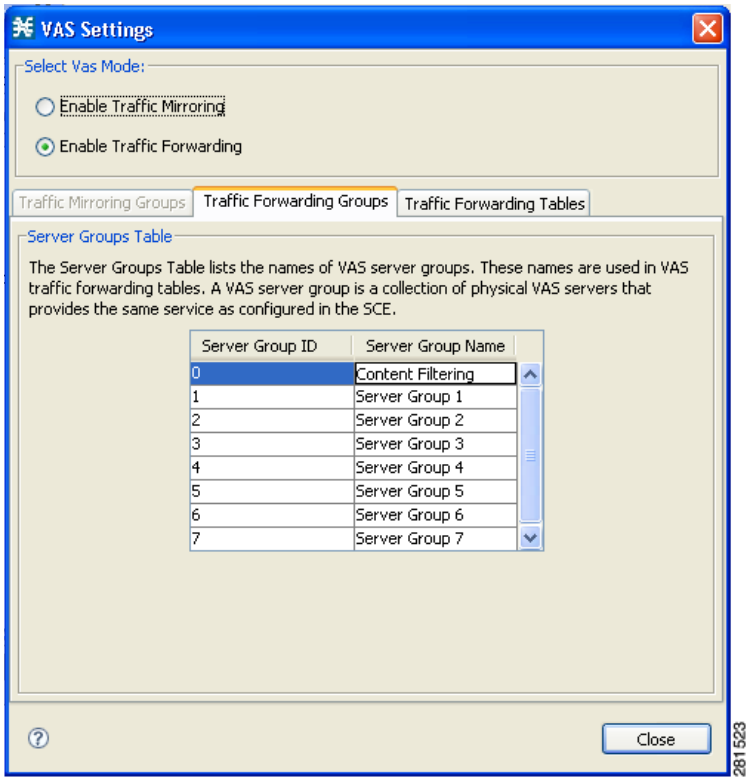
See Chapter 3, “Configuring the SCA BB Application to Support VAS Traffic Forwarding” for a full description of the steps provided in this section.

To configure VAS traffic forwarding in the SCA BB application, complete the following steps:

Step 1 Enable VAS in SCA BB.

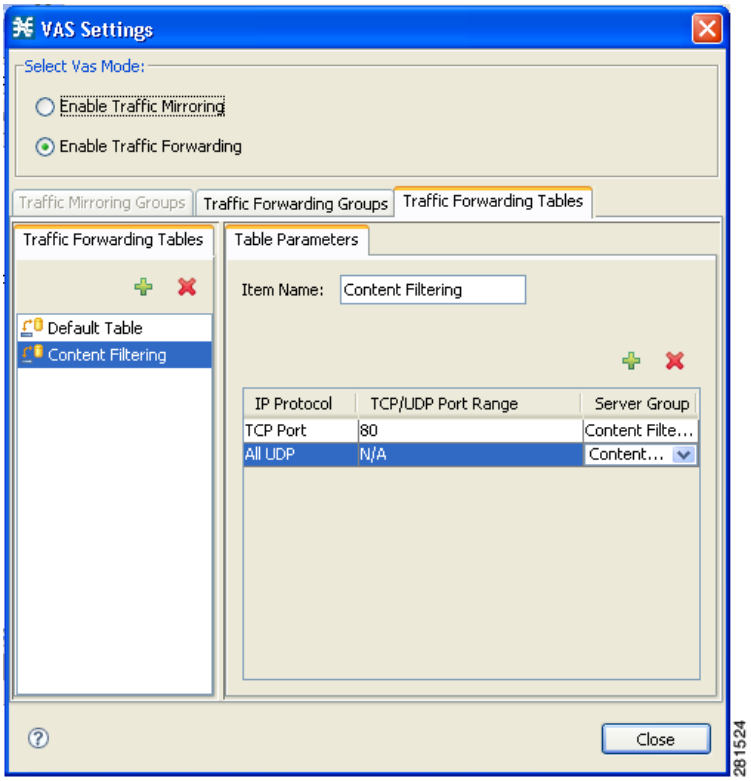
Step 2 Rename the VAS server group to “Content Filtering”.

Figure 5-1 Renaming the Traffic Forwarding Group



Step 3 Create and configure the “Content Filtering” VAS forwarding table.

Figure 5-2 Configuring the VAS Forwarding Table



Step 4 Create the “VAS Package” package and assign the “Content Filtering” VAS forwarding table to it.

Figure 5-3 Assigning the VAS Forwarding Table to a Package