



VAS Configuration Example

Revised: September 23, 2015

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

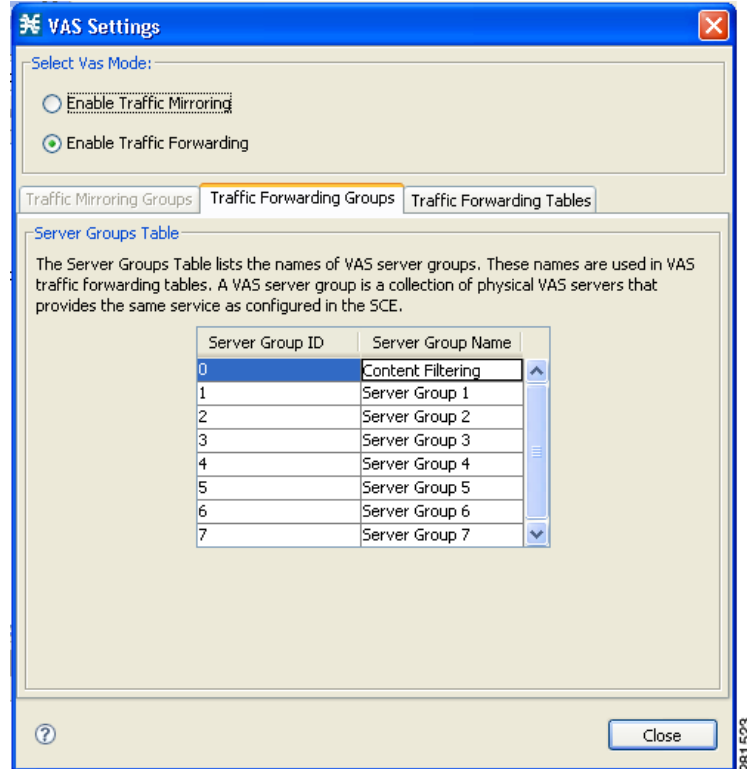
After the SCE platform has been configured, open the SCA BB console to configure VAS traffic forwarding in the SCA BB application. While configuring the SCA BB application for VAS traffic forwarding, the purpose of the traffic forwarding is relevant. So, assign meaningful names to the VAS server groups 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 1, “Configuring the SCA BB Application to Support VAS Traffic Forwarding”](#) for a full description of the steps provided in this section.

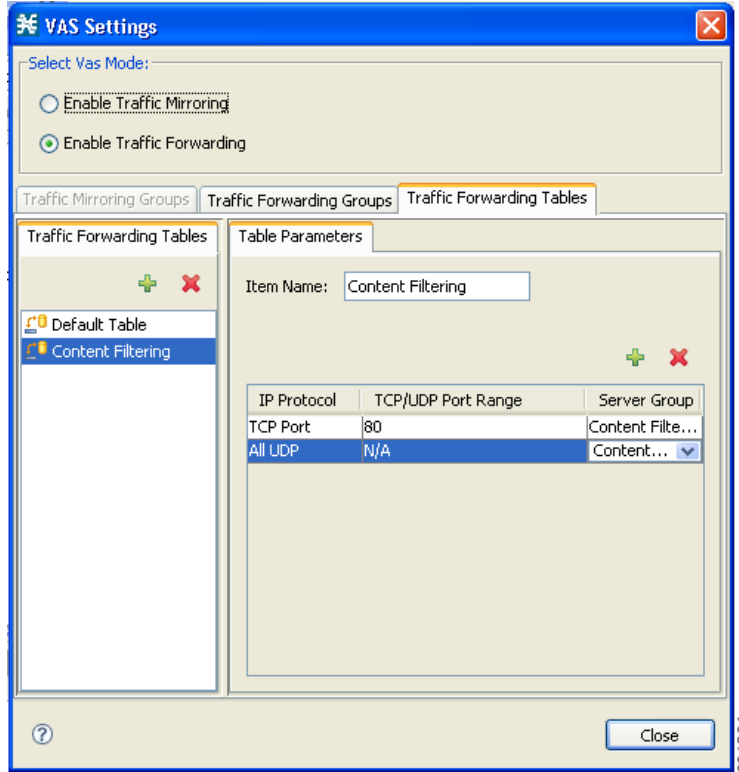
To configure VAS traffic forwarding in the SCA BB application, complete the following steps:

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- Step 1** Enable VAS in SCA BB.
 - Step 2** Rename the VAS server group to “Content Filtering”.

Figure 1-1 Renaming the Traffic Forwarding Group

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

Figure 1-2 Configuring the VAS Forwarding Table



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

Figure 1-3 Assigning the VAS Forwarding Table to a Package

Package Settings for "VAS Package"

General | Quota Management | Subscriber BW Controllers | **Advanced**

Package Index

Set the Index for this Package: 1

Parent Package

Select Parent Package (for sharing usage counters): Default Package

Package Usage Counters

A package can either be mapped to exclusive package usage counters, or share usage counters with its ancestor package.

Map this Package to exclusive package usage counters

Package usage counter name for this package: VAS Package Counter

Counter Index: 1

Calendar

Select Calendar for this Package: Default Calendar

VAS Traffic Forwarding Table

Select Traffic Forwarding Table for this Package: Content Filtering

OK Cancel

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