Using the Anonymous Group Manager Tool

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Introduction

This chapter describes how to use the Anonymous Group Manager graphical user interface (GUI) tool to configure anonymous groups in a Cisco SCE.

This chapter consists of these sections:

- Using the Anonymous Group Manager GUI Tool, page 12-2
- Working with Anonymous Groups CSV Files, page 12-14
- Managing Anonymous Groups, page 12-3

Using the Anonymous Group Manager GUI Tool

You can use the Anonymous Group Manager GUI tool to import and export subscriber files, and to perform these operations on anonymous groups:

- Add and delete an anonymous group
- View the subscribers in a specific anonymous group
- Delete all anonymous groups
- View the configuration of a specific anonymous group
- Filter subscribers
- View online status of the subscriber
- View OS information of the subscribers in anonymous group
- Edit subscriber properties
- Import anonymous groups from a CSV file
- Export anonymous groups to a CSV file
- Export subscribers of a certain group to CSV file

From Cisco SCA BB 3.8.0, software-based support for IPv6 subscribers is available on Cisco SCE 8000 devices.

For details on Anonymous Groups, Subscriber templates, and CSV file formats, see the *Cisco SCE 8000 10GBE Software Configuration Guide*.

For more information about the Cisco Service Control Subscriber Manager, see the *Cisco Service Control Management Suite Subscriber Manager User Guide.*

Managing Anonymous Groups

After importing subscribers into the system, you can maintain and update the database.

You can perform these tasks:

- Add and delete an anonymous group
- View the subscribers in a specific anonymous group
- View the configuration of a specific anonymous group
- Delete all anonymous groups in the Cisco SCE
- Filter subscribers
- View online status of the subscriber
- Edit subscriber properties

This section contains information on:

- How to Add a Cisco SCE to the Anonymous Group Manager GUI Tool, page 12-7
- How to Add a New Anonymous Group in a Cisco SCE Device, page 12-7
- How to Add a New IPv6 Anonymous Group in a Cisco SCE Device, page 12-8
- How to View the Configuration of a Specific Anonymous Group, page 12-9
- How to Delete All Anonymous Groups in a Cisco SCE, page 12-11
- How to View the Configuration of a Specific Anonymous Group, page 12-9
- How to View the Online Status of a Subscriber, page 12-12
- How to Edit the Subscriber Properties, page 12-13
- How to Remove Subscribers from an Anonymous Group in a Cisco SCE, page 12-13
- Working with Anonymous Groups CSV Files, page 12-14

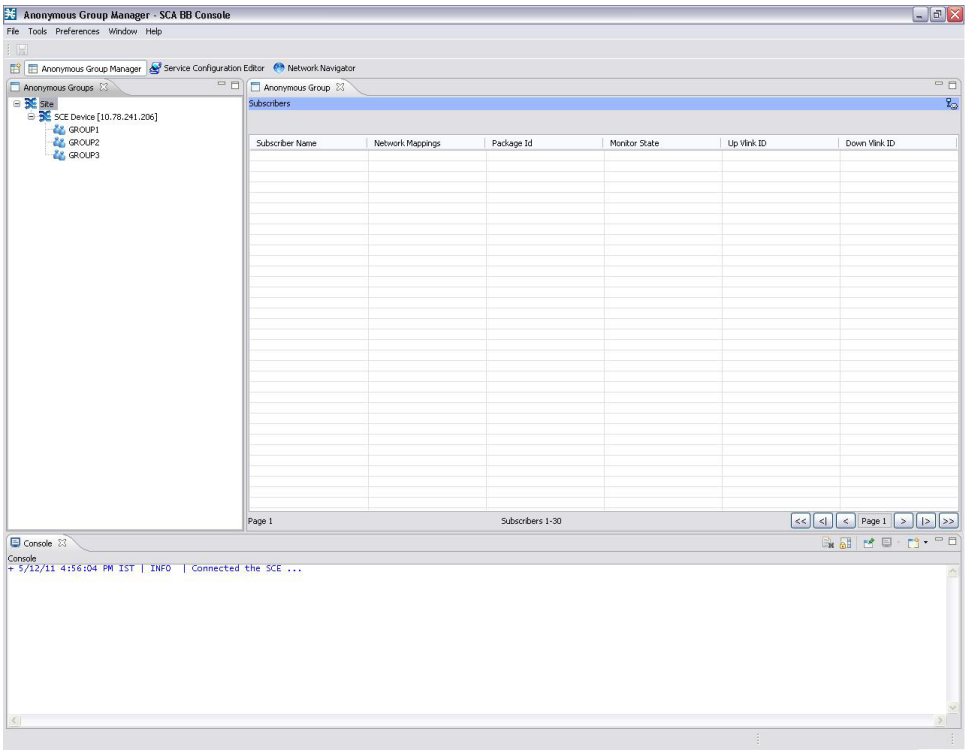
Anonymous Group Manager Information

In the Anonymous Group Manager GUI (Figure 12-1), you can see a list of anonymous groups configured in a Cisco SCE. Use this list to manage individual anonymous group or multiple groups of subscriber tables stacked together, and the subscribers in each anonymous group.

The Anonymous Group Manager GUI is composed of a console view at the bottom and a device view at the top. The console shows the log messages. The anonymous group view within the group folder has the following columns in a subscriber table:

- Subscriber Name—Name of the subscriber in the system.
- Mappings—IP address, range of IP addresses, or VLAN tag mapped to the subscriber.
- Package ID
- Monitor State
- Up VLINK ID
- Down VLINK ID
- Owner—Owner of the subscriber (For example, Subscriber Manager Device)

Figure 12-1 Anonymous Group Manager GUI - Group List



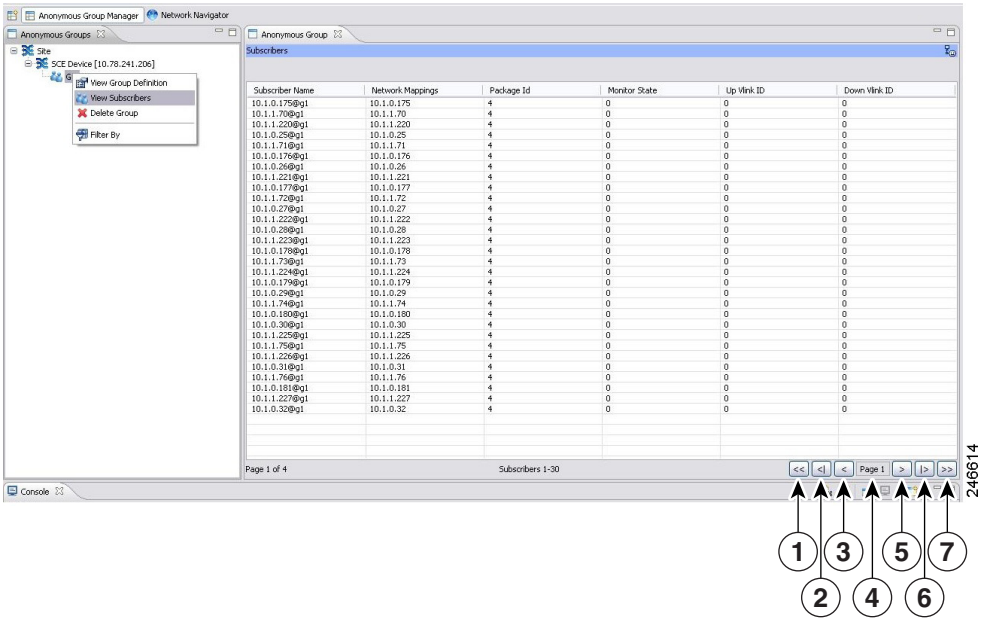
Right-click on the specific subscriber to perform various actions including the following:

- Edit subscriber data.
- View the online status of the subscriber

Finding and Selecting Subscribers

The Anonymous Group Manager GUI tool retrieves subscribers in bulks of 1000 subscribers. Subscriber information is displayed in a standard view. If there are more subscribers than that can be displayed in the standard view, then the information is displayed in pages. You can use the various pagination buttons to navigate between the pages (Figure 12-2).

Figure 12-2 Anonymous Group Manager GUI - Pagination Buttons



1. Get previous bulk.
2. Get first page.
3. Get previous page.
4. Enter page number.
5. Get next page.
6. Get last page.
7. Get next bulk.

For ease of use, the Anonymous Group Manager GUI tool incorporates two standard features:

- Filter—You can filter the subscriber list based on the packageID, downVlinkId, monitor, and upVlinkId. (See Figure 12-3)
- Multiple Select—Select a range of subscribers or a number of individual subscribers.

Figure 12-3 Filter Anonymous Subscriber

Selecting Subscribers

You can edit, export, or delete a group of subscribers at one time by selecting subscribers displayed in the subscriber list. The group may be either of the following:

- A range of contiguous subscribers
- A number of noncontiguous subscribers

How to Select a Range of Subscribers

Step 1 Select the first subscriber in the range.

Step 2 Press the **Shift** key while clicking the last subscriber in the range.

All subscribers within the range are selected.

You can combine this function with the search function; search for specific subscribers and then select the entire range.

How to Select a Number of Noncontiguous Subscribers

Step 1 Press the **Ctrl** key while selecting multiple subscribers.

You can combine this function with selecting a range of subscribers; first, select the range of subscribers, and then select additional subscribers.

How to Add a Cisco SCE to the Anonymous Group Manager GUI Tool

All SCEs added to Cisco SCA BB Network Navigator appears in the site list of the Anonymous Group Manager GUI Tool.

For details on adding SCEs through Network Navigator, see "How to Add Devices to a Site" section on page 5-4 section.

How to Add a New Anonymous Group in a Cisco SCE Device

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens (see Figure 12-1).

Step 2 (Optional) If the device is not listed in the Site list, add the device using the Network Navigator.

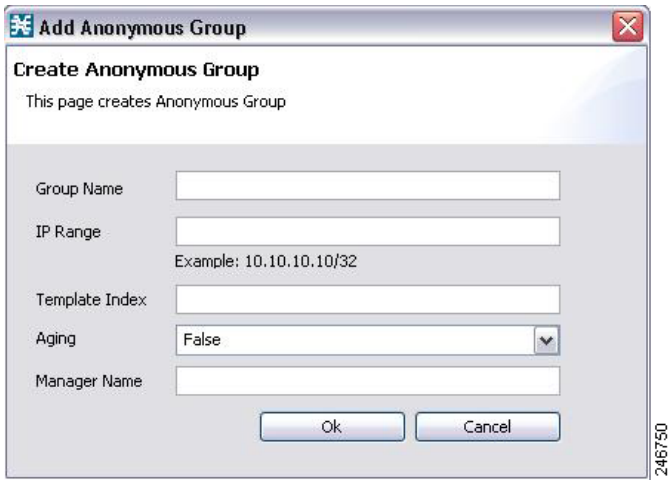
Step 3 Right-click the corresponding Cisco SCE device, and select **Add a New Group**.

A Password Management window appears with the Device, Device Type, and Service information.

Step 4 Enter the User Name and Password. For details on password management, see the "Password Management" section on page 5-7.

The Add Anonymous Group page appears (Figure 12-4).

Figure 12-4 Add Anonymous Group



Step 5 Enter the following details:

- Group Name
- IP Range
- Template Index
- Manager Name

Step 6 Select the Aging option from the drop-down list.

Step 7 Click **Ok**.

The new anonymous group is added to the specific Cisco SCE.

How to Add a New IPv6 Anonymous Group in a Cisco SCE Device

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens (see Figure 12-1).

Step 2 (Optional) If the device is not listed in the Site list, add the device using the Network Navigator.

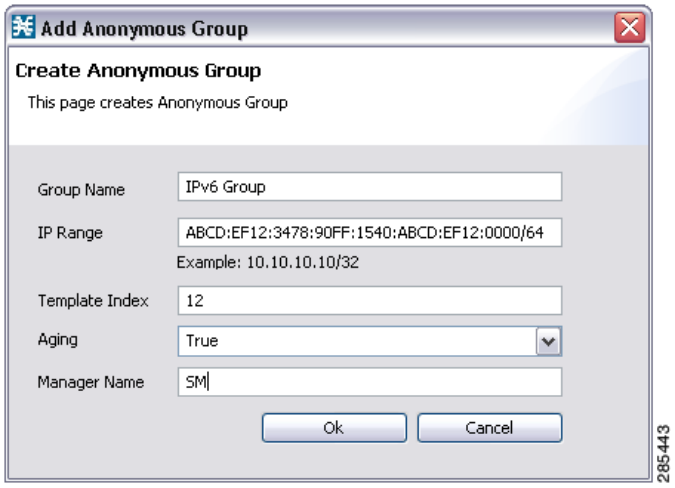
Step 3 Right-click on the Cisco SCE, and select **Add a New Group**.

A Password Management window appears with the Device, Device Type, and Service information.

Step 4 Enter the User Name and Password. For details on password management, see the "Password Management" section on page 5-7.

The Add Anonymous Group page appears (Figure 12-5).

Figure 12-5 Add IPv6 Anonymous Group



Step 5 Enter the following details:

- Group Name
- IPv6 Range with a prefix value of 0 to 64
- Template Index
- Manager Name

Step 6 Select the Aging option from the drop-down list.

Step 7 Click **Ok**.

The new anonymous group is added to the specific Cisco SCE device.

How to View the Configuration of a Specific Anonymous Group

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens.

Step 2 In the Site list, right-click the corresponding Anonymous Group, and select **View Group Definition**. (Figure 12-6 displays IPv4 anonymous groups and Figure 12-7 displays IPv6 anonymous groups.)

Figure 12-6 Anonymous Group Manager Tool

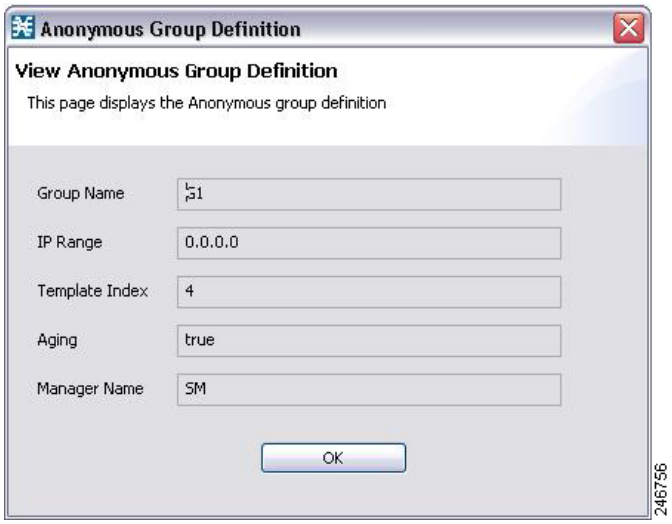
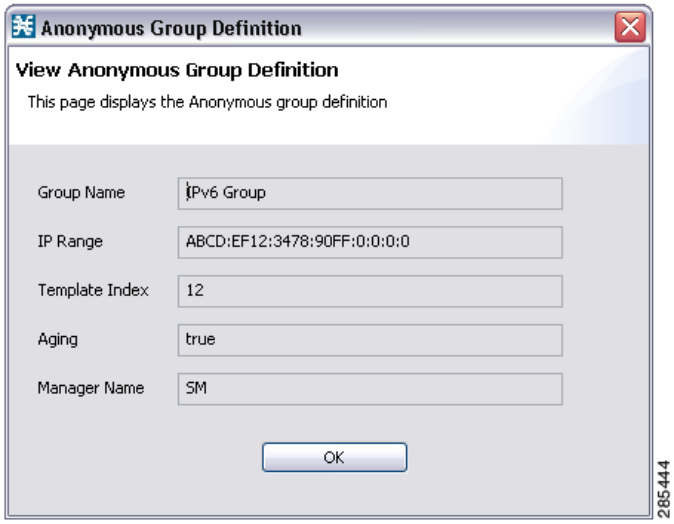


Figure 12-7 IPv6 Anonymous Group Manager Tool



How to Delete An Anonymous Groups in a Cisco SCE

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens.

Step 2 From the Site list, click on the Cisco SCE from which you plan to delete the Anonymous Group.

Step 3 The Anonymous Groups in the Cisco SCE appears.

Step 4 Right-click on the Anonymous group to delete, and select **Delete**. A confirmation dialog box appears (Figure 12-8).

Figure 12-8 Confirmation Dialog Box

Step 5 Click **Yes**.

How to Delete All Anonymous Groups in a Cisco SCE

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens.

Step 2 From the Site list, right-click on the Cisco SCE from which you plan to delete the Anonymous Groups and select **Delete Groups**.

A confirmation dialog box appears (Figure 12-9).

Figure 12-9 Confirmation Dialog Box

Step 3 Click **Yes**.

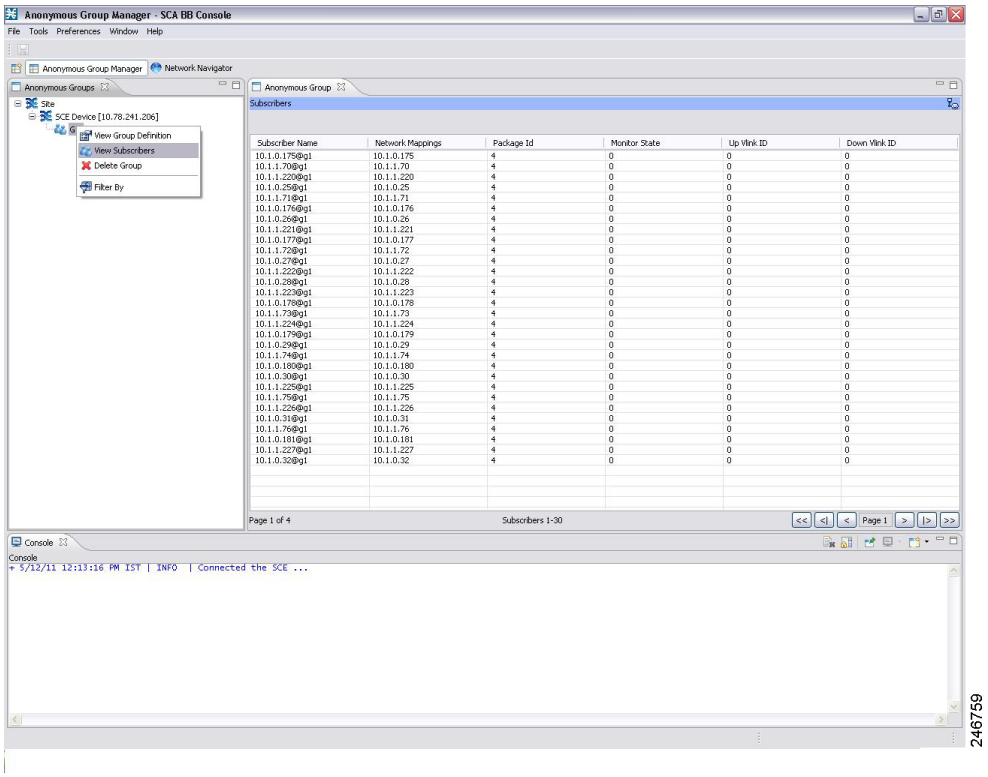
How to View Subscribers in a Specific Anonymous Group

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens (Figure 12-10).

Step 2 In the Site list, right-click the Anonymous Group, and select **View Subscribers**.

Figure 12-10 Anonymous Group Manager Tool



The list of subscribers appears in the Anonymous Group tab near the Console tab.

How to View the Online Status of a Subscriber

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens.

Step 2 In the Site list, right-click the Anonymous Group, and select **View Subscribers**.

The list of subscribers appears in the Anonymous Group pane.

Step 3 Right-click in the subscriber row, and select **View Online Status**.

The online status appears.

How to Edit the Subscriber Properties

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens.

Step 2 In the Site list, right-click the Anonymous Group, and select **View Subscribers**.

The list of subscribers appears in the Anonymous Group pane.

Step 3 Right-click in the subscriber row, and select **Edit Subscriber**.

The Edit Subscriber dialog box appears.

Step 4 Modify the required fields from the following:

- Package ID
- Monitor State
- UpVlinkId
- DownVlinkId

Step 5 Click **OK**.

How to Remove Subscribers from an Anonymous Group in a Cisco SCE

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

The Anonymous Group Manager tool opens.

Step 2 In the Site list, click the Anonymous Group, and select **View Subscribers**.

The list of subscribers appears in the Anonymous Group pane.

Step 3 Right-click in the subscriber row, and select **Remove the Subscriber**.

A confirmation dialog box appears.

Step 4 Click **OK**.

Working with Anonymous Groups CSV Files

With Anonymous Group GUI tool, you can:

- Import anonymous groups from a CSV file
- Export anonymous groups to a CSV file
- Export subscribers of a certain anonymous group to CSV file

The format of subscriber CSV files is described in the "CSV File Formats" chapter of *Cisco Service Control Application for Broadband Reference Guide*.

This section explains the following procedures:

- How to Import Anonymous Groups from a CSV File, page 12-14
- How to Export Anonymous Groups to a CSV File, page 12-17

How to Import Anonymous Groups from a CSV File

You can import subscriber data that was exported to a CSV file using the Anonymous Group Manager GUI tool. This feature supports only one Cisco SCE at a time.

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

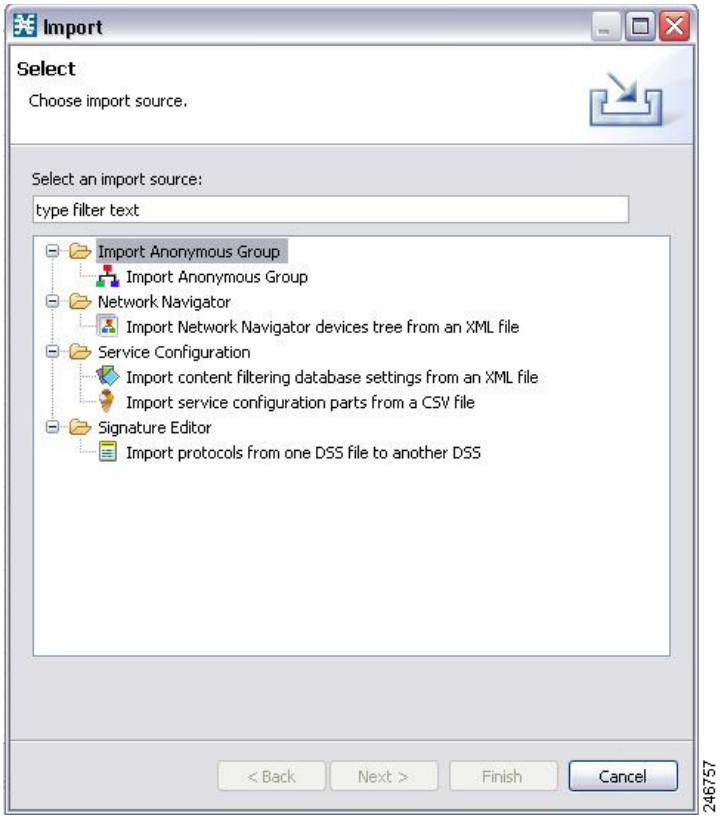
The Anonymous Group Manager tool opens.

Step 2 In the Site list, click the Cisco SCE for which you want to import the Anonymous Groups.

Step 3 Select **File > Import**.

The Import dialog box appears (Figure 12-11).

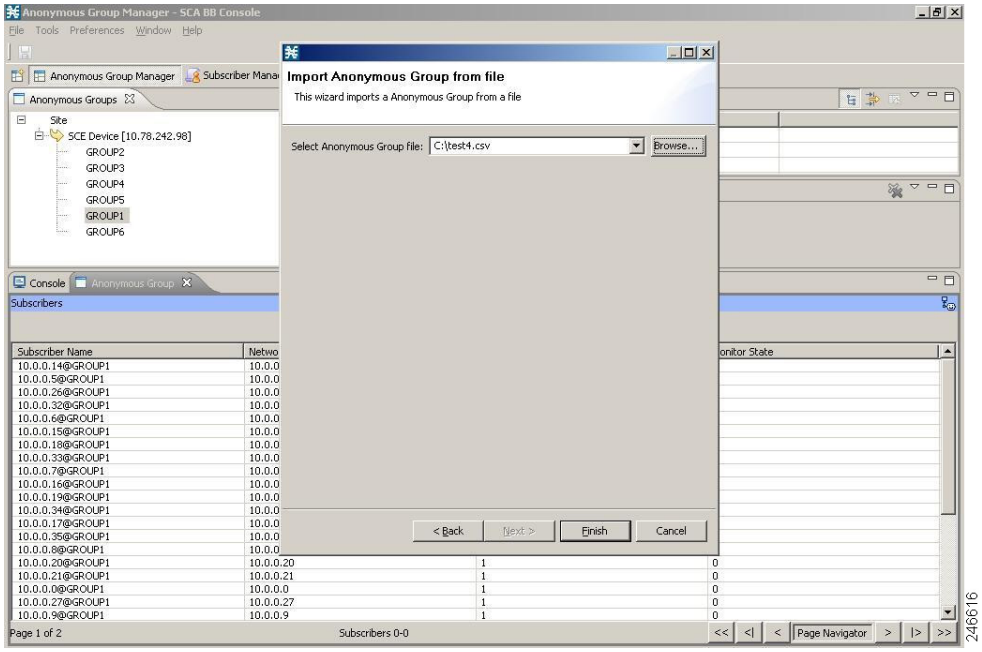
Figure 12-11 Import Dialog Box



Step 4 Click **Next**.

The **Import Anonymous Groups from File** dialog box appears (Figure 12-12).

Figure 12-12 Import Anonymous Groups from File Dialog Box



Step 5 Browse to the file that is to be imported and click **Finish**.

The Import from File dialog box closes.

The selected file is imported into the Anonymous Group Manager GUI tool; the imported subscribers are listed in the subscriber list.

How to Export Anonymous Groups to a CSV File

You can export anonymous group information to a CSV file.

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

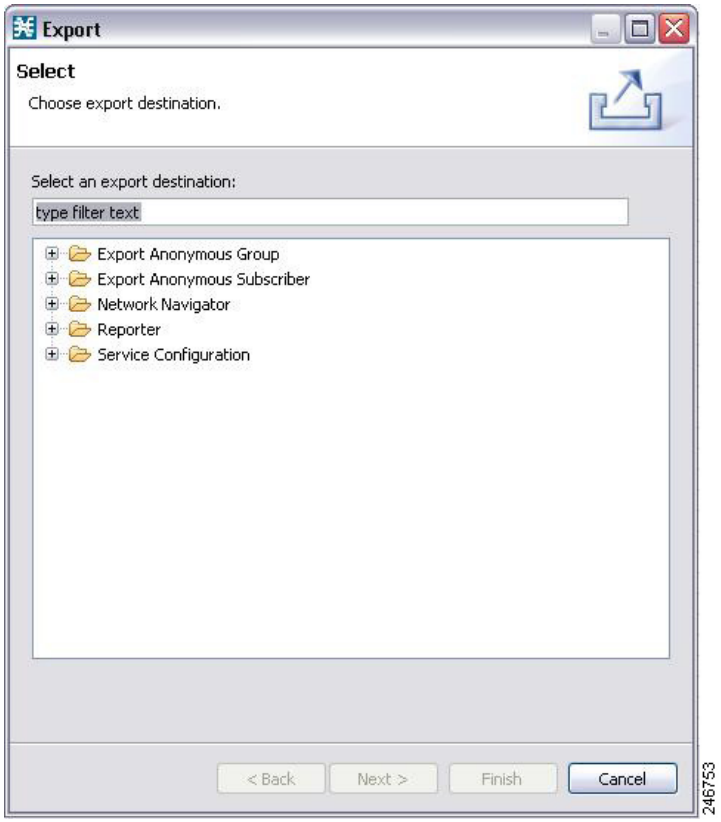
The Anonymous Group Manager tool opens.

Step 2 In the Site list, click the Cisco SCE for which you want to export the Anonymous Groups.

Step 3 Select **File > Export**.

The Export dialog box appears (Figure 12-13).

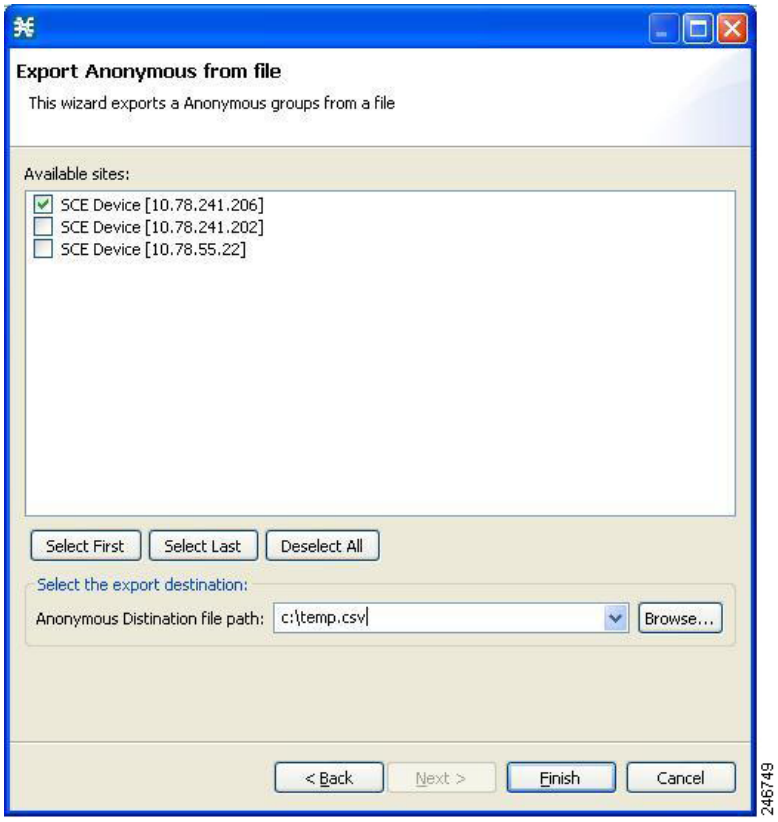
Figure 12-13 Export Dialog Box



Step 4 Click **Next**.

The **Export Anonymous Groups from File** dialog box appears (Figure 12-14).

Figure 12-14 Export Anonymous Groups from File Dialog Box



Step 5 Select the Cisco SCE Device and the Anonymous Groups to be exported.

Step 6 Select the Export destination and click **Finish**.

The Export from File dialog box closes.

The Anonymous Group Information is exported to the CSV file.

Export Information on Subscribers of an Anonymous Group to CSV File

To export information of all subscribers of an anonymous group to a CSV file, complete these steps:

Step 1 From the Console main menu, choose **Tools > Anonymous Group Manager**.

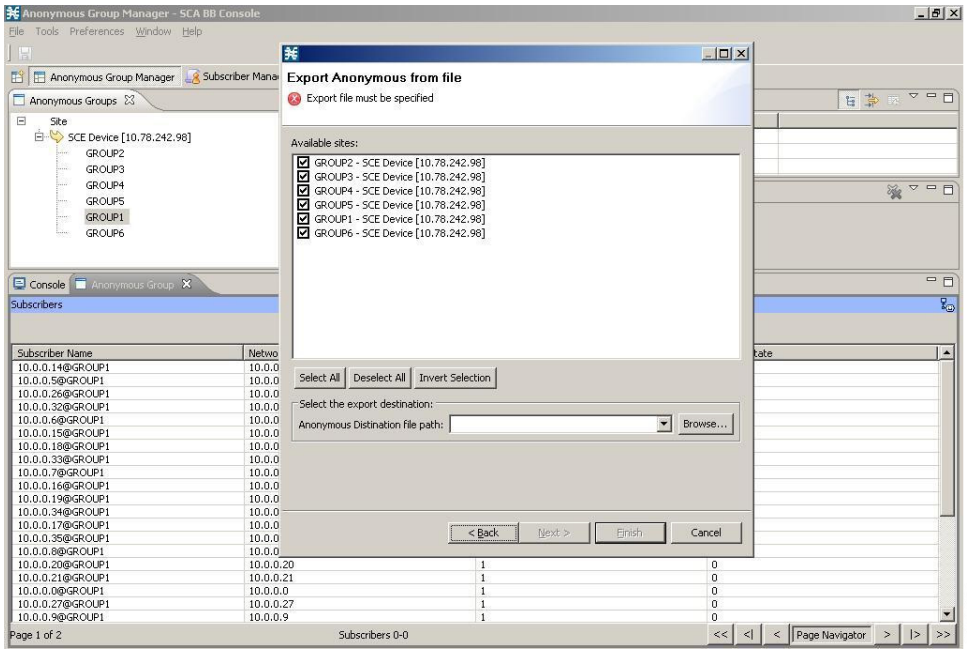
The Anonymous Group Manager tool opens.

Step 2 In the Site list, click the Cisco SCE for which you want to export the Anonymous Groups.

Step 3 Select **File > Export**.

Step 4 The Export dialog box appears (Figure 12-15).

Figure 12-15 Export Dialog Box



Step 5 Select the subscribers to be exported.

Step 6 Select the Export destination and click **Finish**.

The Export from File dialog box closes.

The selected subscriber information is saved to the CSV file.