



CHAPTER 3

Configuring Source Address Lists

This chapter describes how to configure DNS request handling on your GSS network by defining the IP addresses from which requests are sent to the GSS. Configure GSS request handling by creating source address lists and collections of IP addresses for known client DNS proxies (or D-proxies).



Note

The deployment of source address lists is an optional process. A default source address list, named Anywhere, is supplied with the GSS software and matches any request for a domain.

By using the source address lists feature, you can enter one or more IP addresses, with a maximum of 30 addresses for each list, to represent the DNS proxies from which requests originate. Each GSS supports a maximum of 60 source address lists.

This chapter contains the following major sections:

- [Logging in to the CLI and Enabling Privileged EXEC Mode](#)
- [Configuring Source Address Lists](#)
- [Displaying Source Address List Information](#)
- [Where to Go Next](#)

Logging in to the CLI and Enabling Privileged EXEC Mode

**Note**

To log in and enable privileged EXEC mode in the GSS, you must be a configured user with admin privileges. See the *Cisco Global Site Selector Administration Guide* for information on creating and managing user accounts.

To log in to the primary GSSM and enable privileged EXEC mode at the CLI, perform the following steps:

1. If you are remotely logging in to the primary GSSM through Telnet or SSH, enter the hostname or IP address of the GSSM to access the CLI.

If you are using a direct serial connection between your terminal and the GSSM, use a terminal emulation program to access the CLI. For details about making a direct connection to the GSS device using a dedicated terminal and about establishing a remote connection using SSH or Telnet, see the *Cisco Global Site Selector Getting Started Guide*.

2. Specify your GSS administrative username and password to log in to the GSSM. The CLI prompt appears.

```
gssm1.example.com>
```

3. At the CLI prompt, enable privileged EXEC mode as follows:

```
gssm1.example.com> enable  
gssm1.example.com#
```

If you are accessing the GSS remotely using Telnet or SSH, the CLI prompts you for the enable password. The default password is default. For more information about the enable password and configuring a new password, see the *Cisco Global Site Selector Getting Started Guide*.

The prompt changes from the user-level EXEC right angle bracket (>) prompt to the privileged-level EXEC pound sign (#).

Configuring Source Address Lists

You configure a source address list by using the **source-address-list** command in global server load-balancing configuration mode.

The syntax of this command is as follows:

```
source-address-list name owner name [comments text]
```

The keywords and arguments for this command are as follows:

- **name**—Name for the source address list. Enter a unique alphanumeric name with a maximum of 80 characters. Names that include spaces must be entered in quotes (for example, “name 1”).
- **owner name**—Specifies an existing owner name with which the source address list is to be associated. See the “[Configuring Owners](#)” section in [Chapter 2, Configuring Resources](#).
- **comments text**—(Optional) Specifies descriptive information or important notes about the source address list. Enter up to 256 alphanumeric characters. Comments with spaces must be entered in quotes.

After you enter the **source-address-list** command, the prompt changes to the source address list mode, where you specify IP addresses of the client DNS proxies. To enter multiple addresses, repeat the **ip address** command. You can enter a maximum of 60 addresses for each list, including the default list. With the default list, you cannot add any addresses because it is not user-configurable.

For example, to create a source address list named WEB-GLOBAL-LISTS and add two IP addresses and subnet masks to the list, enter:

```
gssm1.example.com# config
gssm1.example.com(config)# gslb
gssm1.example.com(config-gslb)# source-address-list WEB-GLOBAL-LISTS
owner WEB-SERVICES comments "GLOBAL ALIST FOR ECOMMERCE"
gssm1.example.com(config-gslb-sal)# ip address 1024 172.27.16.4
255.255.255.0
gssm1.example.com(config-gslb-sal)# ip address 1024 172.27.28.4
255.255.255.0
```

If you need to delete a source address list, first verify that none of your DNS rules reference the source address list that you want to delete. You cannot delete source address lists associated with an existing DNS rule. If necessary, remove the source address list from the DNS rule. See [Chapter 7, Building and Modifying DNS Rules](#), for information about modifying a DNS rule.

**Caution**

Deletions of any kind cannot be undone in the primary GSSM. Before deleting any data that you think you might want to use at a later point in time, perform a database backup of your GSSM. See the *Global Site Selector Administration Guide* for details.

To delete a source address list, perform the following steps:

1. If desired, use the **show gslb-config source-address-list** command to display information about the source address lists currently configured for the GSS. See the “[Displaying Source Address List Information](#)” section for more information.
2. Identify the source address list that you want to delete, and then use the **no** form of the **source-address-list** command to delete the address.

To display source address lists and delete a source address list, enter:

```
gssm1.example.com(config-gslb)# show gslb-config
source-address-list

source-address-list WEB-GLOBAL-LISTS owner WEB-SERVICES
    ip address 192.168.1.0/24
source-address-list sal2 owner WEB-SERVICES
    ip address 192.168.100.0/24
source-address-list Anywhere owner System
    ip address 0.0.0.0/0

gssm1.example.com(config-gslb)# no source-address-list
WEB-GLOBAL-LISTS
gssm1.example.com(config-gslb)#
```

To delete an IP address that is included in the source address list GLOBAL-SERVICE-LISTS, enter:

```
gssm1.example.com(config-gslb)# source-address-list
GLOBAL-SERVICE-LISTS
gssm1.example.com(config-gslb-sal)# no ip address 1024 172.27.16.4
255.255.255.0
gssm1.example.com(config-gslb-sal)#
```

Displaying Source Address List Information

You use the **show gslb-config source-address-list** command to display information about the source address lists currently configured for the GSS.

For example, to display previously created source address lists, enter:

```
gssm1.example.com(config-gslb)# show gslb-config source-address-list

source-address-list sal1 owner E-COMMERCE
      ip address 192.168.1.0/24
source-address-list sal2 owner WEB-SERVICES
      ip address 192.168.100.0/24
source-address-list sal3 owner SECURITY
      ip address 192.168.150.0/24
source-address-list Anywhere owner System
      ip address 0.0.0.0/0
gssm1.example.com(config-gslb)#
```

Where to Go Next

[Chapter 4, Configuring Domain Lists](#), describes the creation of domain lists. Domain lists are collections of domain names for Internet or intranet resources, sometimes referred to as hosted domains, that have been delegated to the GSS for DNS query responses.

