



Preface

This guide includes information on using the command-line interface (CLI) to configure the Cisco Global Site Selector (GSS) to perform global server load balancing. Certain global server load-balancing tasks require that you use the CLI; other tasks require that you use the GUI. In most cases, you have the option of using either the CLI or the GUI at the primary Global Site Selector Manager (GSSM). In cases where you must use the GUI to perform a particular task (configuring DNS rule filters, for example), the task is listed and a reference to the appropriate chapter in the *Global Site Selector GUI-Based Global Load-Balancing Configuration Guide* is provided.

This preface contains the following major sections:

- [Audience](#)
- [How to Use This Guide](#)
- [Related Documentation](#)
- [Symbols and Conventions](#)
- [Obtaining Documentation and Submitting a Service Request](#)

Audience

To use this configuration guide, you should be familiar with the GSS platform hardware. In addition, you should be familiar with basic TCP/IP and networking concepts, router configuration, Domain Name System (DNS), the Berkeley Internet Name Domain (BIND) software or similar DNS products, and your organization's specific network configuration.

How to Use This Guide

This guide includes the following chapters:

Chapter/Title	Description
Chapter 1, Introducing the Global Site Selector	Describes the basic concepts of the GSS product and important GSS-related terms.
Chapter 2, Configuring Resources	Describes how to organize resources on your GSS network as locations, regions, and owners.
Chapter 3, Configuring Source Address Lists	Describes how to create and modify source address lists.
Chapter 4, Configuring Domain Lists	Describes how to create and modify domain lists.
Chapter 5, Configuring Keepalives	Describes how to modify global keepalive parameters and create shared keepalives.
Chapter 6, Configuring Answers and Answer Groups	Describes how to create GSS answers and answer groups.
Chapter 7, Building and Modifying DNS Rules	Describes how to construct the DNS rules that govern all global server load balancing on your GSS network.
Chapter 8, Configuring DNS Sticky	Describes how to configure local and global DNS sticky for GSS devices in your network.
Chapter 9, Configuring Network Proximity	Describes how to configure proximity for GSS devices in your network.
Chapter 10, Configuring DDoS Prevention	Describes how to configure the GSS to prevent Distributed Denial of Service (DDoS) attacks.
Chapter 11, Creating and Playing GSLB Configuration Files	Describes how to create, modify, and play GSLB configuration files.

Chapter/Title	Description
Chapter 12, Displaying Global Server Load-Balancing Configuration Information	Describes the commands that you use to display information about the global server load-balancing configuration on your GSS network.
Chapter 13, Displaying GSS Global Server Load-Balancing Statistics	Describes the tools that you use to display the status of global load balancing on your GSS network.
Appendix A, Primary GSSM Global Server Load-Balancing Error Messages	Describes the primary GSSM global server load-balancing operating error messages.
Appendix B, Sticky and Proximity XML Schema Files	Describes how you use the two XML schema files, included with the GSS, to describe and validate the sticky XML and proximity XML output files.

Related Documentation

In addition to this document, the GSS documentation set includes the following:

Document Title	Description
<i>Global Site Selector Hardware Installation Guide</i>	Provides information on installing your GSS device and getting it ready for operation. It describes how to prepare your site for installation, how to install the GSS device in an equipment rack, and how to maintain and troubleshoot the system hardware.
<i>Regulatory Compliance and Safety Information for the Cisco Global Site Selector</i>	Provides regulatory compliance and safety information for the GSS platform.
<i>Release Note for the Cisco Global Site Selector</i>	Provides information on operating considerations, caveats, and new CLI commands for the GSS software.
<i>Cisco Global Site Selector Getting Started Guide</i>	Provides information on getting your GSS set up, configured, and ready to perform global server load balancing.
<i>Cisco Global Site Selector GUI-Based Global Server Load-Balancing Configuration Guide</i>	Procedures on how to configure your primary GSSM from the GUI to perform global server load balancing, such as configuring source address lists, domain lists, answers, answer groups, DNS sticky, network proximity, and DNS rules. This document also provides an overview of the GSS device and global server load balancing as performed by the GSS.

Document Title	Description
<i>Cisco Global Site Selector Administration Guide</i>	Provides the procedures necessary to properly set up, manage, and maintain your GSSM and GSS devices, including login security, software upgrades, GSSM database administration, and logging.
<i>Cisco Global Site Selector Command Reference</i>	Provides an alphabetical list, by mode, of all GSS command-line interface (CLI) commands including syntax, options, and related commands. This document also describes how to use the CLI interface.

Symbols and Conventions

This guide uses the following symbols and conventions to emphasize certain information.

Command descriptions use the following conventions:

boldface font	Commands and keywords are in boldface .
<i>italic</i> font	Variables for which you supply values are in <i>italics</i> .
[]	Elements in square brackets are optional.
{ x y z }	Alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A set of characters. Strings that include spaces (for example, “name 1”) must be in quotes.

Screen examples use the following conventions:

screen font	Terminal sessions and information the system displays are in screen font.
boldface screen font	Information you must enter is in boldface screen font .
<i>italic screen font</i>	Variables for which you supply values are in <i>italic screen font</i> .
→	This pointer highlights an important line of text in an example.
^	The symbol ^ represents the key labeled Control—for example, the key combination ^D in a screen display means hold down the Control key while you press the D key.
< >	Nonprinting characters, such as passwords, are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

Graphical user interface elements use the following conventions:

boldface text	Instructs you to enter a keystroke or act on a GUI element.
Courier text	Indicates text that appears in a command line, including the CLI prompt.
Courier bold text	Indicates commands and text you enter in a command line.
<i>italic text</i>	Directories and filenames are in <i>italic font</i> .



Caution

A caution means that a specific action you take could cause a loss of data or adversely impact use of the equipment.

**Note**

A note provides important related information, reminders, and recommendations.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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