



Where to Go Next

This chapter provides information on where to go next to administer and configure the CSS. The chapter consists of the following major sections:

- [CSS Task Topic List](#) - Provides a list of administrative and configuration task topics in alphabetical order and the location of the topic in the CSS guides.
- [Comprehensive CSS Documentation List](#) - Provides detailed outlines for each of the CSS administration, configuration, and user guides.

CSS Task Topic List

[Table 5-1](#) provides a list of CSS administrative and configuration task topics in alphabetical order and the location of the topics in the CSS documentation. For more concise lists of topics, refer to the index of each document.

Table 5-1 Administration and Configuration Task Topic List

Task Topic	Guide and Chapter
Absolute load configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 6, Configuring Loads for Services
ACA load-balancing algorithm configuration	CSS Content Load-Balancing Configuration Guide Chapter 6, Configuring Loads for Services
Accelerated domains configuration	CSS Global Server Load-Balancing Configuration Guide Chapter 4, Configuring a Client-Side Accelerator

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Access Control Lists (ACLs) configuration with quick start	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
Access FTP, demand-based content replication and publishing and subscribing	CSS Content Load-Balancing Configuration Guide Chapter 14, Configuring Content Replication
Access to the CSS configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
Access to the user interface configuration	CSS Device Management User's Guide Chapter 2, Configuring the CSS for Device Management
ACLs with source groups configuration	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
Adaptive Session Redundancy (ASR) configuration with quick start, and show command	CSS Redundancy Configuration Guide Chapter 2, Configuring Adaptive Session Redundancy
Address Resolution Protocol (ARP) configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 4, Configuring the Address Resolution Protocol
ADI, unpack and remove an ArrowPoint Distribution Image (ADI) to a CSS disk.	CSS Administration Guide Chapter 1, Managing the Software
Administrative access to the CSS configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
Administrative username and password configuration	CSS Administration Guide Appendix B, Using the Offline Diagnostic Monitor Menu
Administrative username and password configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
Advanced load-balancing method for sticky content configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Advertise a route through RIP on the CSS configuration	CSS Routing and Bridging Configuration Guide Chapter 5, Configuring Routing Information Protocol
Application Peering Protocol (APP) configuration, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 1, Configuring the CSS as a Domain Name System Server
Application Peering Protocol-User Datagram Protocol (APP-UDP) configuration	CSS Global Server Load-Balancing Configuration Guide Chapter 5, Configuring Network Proximity
Application type configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Archive file configuration	CSS Administration Guide Chapter 1, Managing the Software
ARP configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 4, Configuring the Address Resolution Protocol
ArrowPoint Content Awareness (ACA) load-balancing algorithm configuration	CSS Content Load-Balancing Configuration Guide Chapter 6, Configuring Loads for Services
ArrowPoint cookies configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
ASR configuration with quick start, and show command	CSS Redundancy Configuration Guide Chapter 2, Configuring Adaptive Session Redundancy
Back-end SSL configuration	CSS SSL Configuration Guide Chapter 5, Configuring Back-End SSL
Back-end SSL proxy list quick start	CSS SSL Configuration Guide Chapter 2, SSL Configuration Quick Starts
Backup CSS as a master temporarily	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Banner (login) configuration	CSS Administration Guide Chapter 3, Configuring User Profiles
Boot configuration	CSS Administration Guide Appendix B, Using the Offline Diagnostic Monitor Menu
Boot configuration with quick start and show command	CSS Administration Guide Chapter 2, Specifying the CSS Boot Configuration
Box-to-box redundancy configuration	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy
BPDU guard configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Bridge interface to a VLAN circuit configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Bypass cache configuration	CSS Content Load-Balancing Configuration Guide Chapter 13, Configuring Caching
Bypass content rules on caches configuration	CSS Content Load-Balancing Configuration Guide Chapter 3, Configuring Services
CA certificates for server authentication configuration	CSS SSL Configuration Guide Chapter 6, Configuring SSL Initiation
Cable redundant CSS configuration	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy
Caching configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 13, Configuring Caching
CDP configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 7, Configuring the Cisco Discovery Protocol
Certificates and keys (SSL) configuration and verification	CSS SSL Configuration Guide Chapter 3, Configuring SSL Certificates and Keys

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Circuits Virtual LAN (VLAN) configuration, and show command	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Cisco Discovery Protocol (CDP) configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 7, Configuring the Cisco Discovery Protocol
CLI prompt configuration	CSS Administration Guide Chapter 3, Configuring User Profiles
Client authentication configuration	CSS SSL Configuration Guide Chapter 4, Configuring SSL Termination
Client certificate and keys configuration	CSS SSL Configuration Guide Chapter 6, Configuring SSL Initiation
Client-Side Accelerator (CSA) configuration with quick start, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 4, Configuring a Client-Side Accelerator
Command history buffer configuration	CSS Administration Guide Chapter 3, Configuring User Profiles
Command scheduler configuration	CSS Administration Guide Chapter 8, Using the CSS Scripting Language.
Configuration changes, saved for subsequent CSS reboots.	CSS Administration Guide Chapter 1, Managing the Software
Configuration synchronization configuration	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy
Consistent weight range among services (DFP) configuration	CSS Content Load-Balancing Configuration Guide Chapter 8, Configuring Dynamic Feedback Protocol for Server Load Balancing
Console authentication configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Content API configuration	CSS Administration Guide Chapter 7, Using an XML Document to Configure the CSS
Content Routing Agent (CRA) configuration with quick start, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 3, Configuring a CSS as a Content Routing Agent
Content rule overview	CSS Content Load-Balancing Configuration Guide Chapter 1, Content Load-Balancing Overview
Content rule-based DNS configuration with quick start and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 1, Configuring the CSS as a Domain Name System Server
Content rules configuration with quick start, and show command	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Content staging and replication configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 14, Configuring Content Replication
Cookies for advanced load-balancing configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Copy files from FTP server configuration	CSS Administration Guide Chapter 1, Managing the Software
Core dumps configuration	CSS Administration Guide Chapter 1, Managing the Software
CRA configuration with quick start, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 3, Configuring a CSS as a Content Routing Agent
Critical phy configuration with quick start	CSS Redundancy Configuration Guide Chapter 1, Configuring VIP and Virtual Interface Redundancy
Critical services configuration	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
CRL record show command	CSS SSL Configuration Guide Chapter 7, Displaying SSL Configuration Information and Statistics
Crossover cable pinouts for box-to-box redundancy	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy
CSA configuration with quick start, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 4, Configuring a Client-Side Accelerator
Clock configuration	CSS Getting Started Guide Chapter 2, Configuring CSS Basics
Daylight savings time	CSS Getting Started Guide Chapter 2, Configuring CSS Basics
Demand-based content replication configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 14, Configuring Content Replication
Denial of Service (DoS) configuration using SNMP	CSS Administration Guide Chapter 5, Configuring Simple Network Management Protocol (SNMP)
Destination service for source group configuration	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
Device Management user interface, see WebNS Device Management user interface	CSS Device Management User's Guide Chapter 3, Using the Device Management User Interface
DFP agent configuration, and show command	CSS Content Load-Balancing Configuration Guide Chapter 8, Configuring Dynamic Feedback Protocol for Server Load Balancing
DHCP Relay Agent configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 8, Configuring the DHCP Relay Agent

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Disk configuration	CSS Administration Guide Chapter 1, Managing the Software
	CSS Administration Guide Appendix B, Using the Offline Diagnostic Monitor Menu
DNS configuration to a zone-based DNS content rule based configuration, conversion	CSS Global Server Load-Balancing Configuration Guide Chapter 2, Configuring the DNS Sticky Feature
DNS peering and DNS server configuration including DNS record	CSS Global Server Load-Balancing Configuration Guide Chapter 1, Configuring the CSS as a Domain Name System Server
DNS server forwarder	CSS Global Server Load-Balancing Configuration Guide Chapter 4, Configuring a Client-Side Accelerator
DNS Sticky configuration with quick start, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 2, Configuring the DNS Sticky Feature
DNS-based content rule configuration	CSS Global Server Load-Balancing Configuration Guide Chapter 1, Configuring the CSS as a Domain Name System Server
Domain cache configuration	CSS Global Server Load-Balancing Configuration Guide Chapter 4, Configuring a Client-Side Accelerator
Domain name content rule	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Domain Name System (DNS) Sticky feature, see DNS sticky	CSS Global Server Load-Balancing Configuration Guide Chapter 2, Configuring the DNS Sticky Feature
Domain qualifier list (DQL) and virtual web hosting including a quick start	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Domain record configuration, DNS server	CSS Global Server Load-Balancing Configuration Guide Chapter 1, Configuring the CSS as a Domain Name System Server

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Domain records configuration, network proximity	CSS Global Server Load-Balancing Configuration Guide Chapter 5, Configuring Network Proximity
Double-wildcard caching rule configuration	CSS Content Load-Balancing Configuration Guide Chapter 13, Configuring Caching
DQL configuration including a quick start	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Dynamic Feedback Protocol (DFP) agent configuration, and show command	CSS Content Load-Balancing Configuration Guide Chapter 8, Configuring Dynamic Feedback Protocol for Server Load Balancing
ECMP configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
E-commerce sticky configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Ethernet management port configuration	CSS Getting Started Guide Chapter 2, Configuring CSS Basics
Ethernet interface configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Expert mode configuration	CSS Administration Guide Chapter 3, Configuring User Profiles
Extension qualifier lists (EQL) configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Failover handling configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
File storage locations configuration	CSS Administration Guide Chapter 1, Managing the Software

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Firewall IP route configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
Firewall Load Balancing (FWLB) configuration, and show command	CSS Security Configuration Guide Chapter 5, Configuring Firewall Load Balancing
Flow and port mapping configuration including inactivity timeouts and flow-state table, and show command	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
Flow on the CSS overview	CSS Content Load-Balancing Configuration Guide Chapter 1, Content Load-Balancing Overview
Forward IP subnet broadcast addressed frames configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
Fragmented IP packets flow processing configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
FTP access for demand-based content replication and publishing and subscribing	CSS Content Load-Balancing Configuration Guide Chapter 14, Configuring Content Replication
FTP connections through source groups configuration	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
FTP record configuration	CSS Administration Guide Chapter 1, Managing the Software
FTP reserved control port reclamation configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
FWLB with VIP and virtual interface redundancy configuration	CSS Security Configuration Guide Chapter 5, Configuring Firewall Load Balancing
Global keepalives configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 4, Configuring Service, Global, and Script Keepalives

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Global service loads show command	CSS Content Load-Balancing Configuration Guide Chapter 6, Configuring Loads for Services
Global sticky database configuration with quick start, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 2, Configuring the DNS Sticky Feature
Graceful shutdown of an overloaded service configuration	CSS Content Load-Balancing Configuration Guide Chapter 3, Configuring Services
Hash algorithms for content rules configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Header field group configuration with quick start, and show command	CSS Content Load-Balancing Configuration Guide Chapter 12, Configuring HTTP Header Load Balancing
Hot list configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
HTTP encrypted keepalives	CSS Content Load-Balancing Configuration Guide Chapter 4, Configuring Service, Global, and Script Keepalives CSS SSL Configuration Guide Chapter 5, Configuring Back-End SSL
HTTP method parsing	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Hot list configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
HTTP redirection configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Implicit service for the static route next hop configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
Interface configuration, and show command	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Internet Protocol configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
Inter-Switch Communications (ISC) redundant services configuration	CSS Redundancy Configuration Guide Chapter 2, Configuring Adaptive Session Redundancy
IP equal-cost multipath (ECMP) selection algorithm and the preferred reverse egress path configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
IP fragmentation configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
IP source, static, and record route configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
Kal-ap-vip client and agent configuration	CSS Global Server Load-Balancing Configuration Guide Chapter 1, Configuring the CSS as a Domain Name System Server
Keepalives configuration, and show command	CSS Content Load-Balancing Configuration Guide Chapter 4, Configuring Service, Global, and Script Keepalives
Load configuration (absolute and relative)	CSS Content Load-Balancing Configuration Guide Chapter 6, Configuring Loads for Services
Load-balancing algorithm for content rule configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Location cookie configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Logging configuration, and show command	CSS Administration Guide Chapter 4, Using the CSS Logging Features
Maximum segment size (MSS) for TCP data configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
MIBs, overview	CSS Administration Guide Chapter 5, Configuring Simple Network Management Protocol (SNMP)
MIBs, update	CSS Administration Guide Appendix A, Upgrading Your CSS Software
NAT peering configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 13, Configuring Caching
Network Address Translation (NAT) for the transparent cache service type configuration	CSS Content Load-Balancing Configuration Guide Chapter 3, Configuring Services
Network Address Translation (NAT) source group configuration	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
Network boot drive configuration	CSS Administration Guide Chapter 2, Specifying the CSS Boot Configuration
Network proximity configuration	CSS Global Server Load-Balancing Configuration Guide Chapter 5, Configuring Network Proximity
Network Qualifier Lists (NQL) for ACLs configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
noflow port mapping configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
Offline Diagnostic Monitor Menu	CSS Administration Guide Appendix B, Using the Offline Diagnostic Monitor Menu
Opportunistic Layer 3 forwarding configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
OSPF configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 3, Configuring Open Shortest Path First (OSPF)

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Owner configuration, and show command	CSS Content Load-Balancing Configuration Guide Chapter 9, Configuring Owners
Owner overview	CSS Content Load-Balancing Configuration Guide Chapter 1, Content Load-Balancing Overview
Passive SCM configuration	CSS Administration Guide Chapter 2, Specifying the CSS Boot Configuration
Permanent TCP and UDP port connection configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
Persistence configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Physical link configuration list	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy
Port Fast configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Port mapping configuration (source groups)	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
Port mapping configuration, and show command (global and noflow)	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
Primary boot record configuration	CSS Administration Guide Chapter 2, Specifying the CSS Boot Configuration
Primary sorry server configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Processing of SSL flows by the SSL module example	CSS SSL Configuration Guide Chapter 8, Examples of CSS SSL Configurations
Proximity domain name server (PDNS) configuration, and show command	CSS Global Server Load-Balancing Configuration Guide Chapter 5, Configuring Network Proximity

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Proxy cache configuration	CSS Content Load-Balancing Configuration Guide Chapter 13, Configuring Caching
Publishing and subscribing services configuration, and show command	CSS Content Load-Balancing Configuration Guide Chapter 14, Configuring Content Replication
Publishing service, associate an FTP access mechanism with a service	CSS Content Load-Balancing Configuration Guide Chapter 3, Configuring Services
RADIUS configuration with quick start including authentication and authorization	CSS Security Configuration Guide Chapter 3, Configuring the CSS as a Client of a RADIUS Server
Reboot the CSS	CSS Administration Guide Appendix B, Using the Offline Diagnostic Monitor Menu
Reclaim of reserved Telnet and FTP control ports configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
Redirection requests for content configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Redundancy configuration (ASR)	CSS Redundancy Configuration Guide Chapter 2, Configuring Adaptive Session Redundancy
Redundancy configuration (box-to-box)	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy
Redundancy configuration (VIP and virtual interface)	CSS Redundancy Configuration Guide Chapter 1, Configuring VIP and Virtual Interface Redundancy
Relative load configuration with quick start, and show command	CSS Content Load-Balancing Configuration Guide Chapter 6, Configuring Loads for Services
Remapping configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Remote user access to the CSS including virtual and console authentication	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
Replication and staging configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 14, Configuring Content Replication
Reporter mode configuration	CSS Redundancy Configuration Guide Chapter 1, Configuring VIP and Virtual Interface Redundancy
Resolve domain names using the Internet through source groups configuration	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
Restore archived files	CSS Administration Guide Chapter 1, Managing the Software
Restrict access to the user interface configuration	CSS Device Management User's Guide Chapter 2, Configuring the CSS for Device Management
Reverse proxy caching configuration	CSS Content Load-Balancing Configuration Guide Chapter 13, Configuring Caching
RIP for an IP interface configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
RMON configuration with quick start, and show command	CSS Administration Guide Chapter 6, Configuring Remote Monitoring (RMON)
Router-Discovery Protocol configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Routing Information Protocol (RIP) configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 5, Configuring Routing Information Protocol
RSA certificate and key generation and import quick start	CSS SSL Configuration Guide Chapter 2, SSL Configuration Quick Starts

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
SASP configuration	CSS Content Load-Balancing Configuration Guide Chapter 7, Configuring Server/Application State Protocol for Server Load Balancing
Save configuration changes for subsequent CSS reboots	CSS Administration Guide Chapter 1, Managing the Software
Script keepalives configuration	CSS Content Load-Balancing Configuration Guide Chapter 4, Configuring Service, Global, and Script Keepalives
Scripts configuration, and show command	CSS Administration Guide Chapter 8, Using the CSS Scripting Language.
Secure management license key for SSL strong encryption	CSS Device Management User's Guide Chapter 2, Configuring the CSS for Device Management
Secure URL rewrite configuration	CSS SSL Configuration Guide Chapter 4, Configuring SSL Termination
Server/Application State Protocol (SASP) configuration	CSS Content Load-Balancing Configuration Guide Chapter 7, Configuring Server/Application State Protocol for Server Load Balancing
Serverdown failover for sticky configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Service configuration with quick start, and show command	CSS Content Load-Balancing Configuration Guide Chapter 3, Configuring Services
Service in CSS ping response decision configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Service keepalive configuration	CSS Content Load-Balancing Configuration Guide Chapter 4, Configuring Service, Global, and Script Keepalives

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Service loads configuration	CSS Content Load-Balancing Configuration Guide Chapter 6, Configuring Loads for Services
Service overview	CSS Content Load-Balancing Configuration Guide Chapter 1, Content Load-Balancing Overview
Service redirection configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Service source group configuration	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
Service weight configuration through content rule	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Session configuration (global)	CSS Administration Guide Chapter 3, Configuring User Profiles
Session Initiation Protocol load balancing configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Shutdown the interfaces	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
SIP configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Site certificate configuration	CSS SSL Configuration Guide Chapter 3, Configuring SSL Certificates and Keys
SNMP configuration	CSS Administration Guide Chapter 5, Configuring Simple Network Management Protocol (SNMP)
SNTP configuration	CSS Getting Started Guide Chapter 2, Configuring CSS Basics

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Sorry server, primary and secondary configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Source group configuration with quick start, and show command	CSS Content Load-Balancing Configuration Guide Chapter 5, Source Groups for Services
Spanned packets for content rule configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Spanning-tree bridging configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Spanning-tree bridging for the CSS configuration with quick start, and show command	CSS Routing and Bridging Configuration Guide Chapter 2, Configuring Spanning-Tree Bridging for the CSS
SSH configuration, and show command	CSS Security Configuration Guide Chapter 2, Configuring the Secure Shell Daemon Protocol
SSL certificates and keys configuration	CSS SSL Configuration Guide Chapter 3, Configuring SSL Certificates and Keys
SSL client authentication configuration	CSS SSL Configuration Guide Chapter 4, Configuring SSL Termination
SSL flows show command	CSS SSL Configuration Guide Chapter 7, Displaying SSL Configuration Information and Statistics
SSL full proxy configuration example	CSS SSL Configuration Guide Chapter 8, Examples of CSS SSL Configurations
SSL HTTP header insertion configuration	CSS SSL Configuration Guide Chapter 4, Configuring SSL Termination
SSL initiation configuration	CSS SSL Configuration Guide Chapter 6, Configuring SSL Initiation

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
SSL initiation configuration example	CSS SSL Configuration Guide Chapter 8, Examples of CSS SSL Configurations
SSL initiation proxy list quick start	CSS SSL Configuration Guide Chapter 2, SSL Configuration Quick Starts
SSL proxy configuration show command	CSS SSL Configuration Guide Chapter 7, Displaying SSL Configuration Information and Statistics
SSL security certificate show command	CSS Device Management User's Guide Chapter 2, Configuring the CSS for Device Management
SSL termination configuration	CSS SSL Configuration Guide Chapter 4, Configuring SSL Termination
SSL termination quick start	CSS SSL Configuration Guide Chapter 2, SSL Configuration Quick Starts
SSL transparent proxy configuration with one SSL module, two SSL module, or HTTP and back-end SSL servers example	CSS SSL Configuration Guide Chapter 8, Examples of CSS SSL Configurations
SSL unclean shutdown (disable Close Notify alert)	CSS SSL Configuration Guide Chapter 4, Configuring SSL Termination
SSL URL rewrite and SSL module statistics show command	CSS SSL Configuration Guide Chapter 7, Displaying SSL Configuration Information and Statistics
SSL, overview	CSS SSL Configuration Guide Chapter 1, Overview of CSS SSL
SSL-Layer 4 fallback configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Stateless redundancy failover configuration	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Sticky configuration, and show command	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
Subscriber service configuration and show command	CSS Content Load-Balancing Configuration Guide Chapter 14, Configuring Content Replication
Switched Port Analyzer feature	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
Synchronize redundant configuration	CSS Redundancy Configuration Guide Chapter 3, Configuring Box-to-Box Redundancy
TACACS+ configuration including authentication and authorization, quick start, and show command	CSS Security Configuration Guide Chapter 4, Configuring the CSS as a Client of a TACACS+ Server
TCP and UDP traffic handled by the CSS overview (3-way handshake)	CSS Content Load-Balancing Configuration Guide Chapter 1, Content Load-Balancing Overview
TCP flow reset reject configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
TCP reset if a VIP is unavailable configuration	CSS Content Load-Balancing Configuration Guide Chapter 2, Configuring Flow and Port Mapping Parameters
Telnet access configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
Terminal configuration	CSS Administration Guide Chapter 3, Configuring User Profiles
Trap configuration and logs	CSS Administration Guide Chapter 5, Configuring Simple Network Management Protocol (SNMP)
Troubleshoot problems during a Device Management session	CSS Device Management User's Guide Chapter 3, Using the Device Management User Interface

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
Troubleshoot SSL initiation	CSS SSL Configuration Guide Chapter 6, Configuring SSL Initiation
UDP traffic handled by the CSS overview	CSS Content Load-Balancing Configuration Guide Chapter 1, Content Load-Balancing Overview
Unconditional bridging configuration	CSS Routing and Bridging Configuration Guide Chapter 6, Configuring the Internet Protocol
Uniform Resource Locator (URL) for content rule configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Uniform Resource Locator qualifier list (URQL) configuration with quick start	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules
Upgrade the CSS software	CSS Administration Guide Appendix A, Upgrading Your CSS Software
User interface configuration	CSS Device Management User's Guide Chapter 2, Configuring the CSS for Device Management
User profile configuration with quick start	CSS Administration Guide Chapter 3, Configuring User Profiles
Usernames and password configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
VIP and virtual interface redundancy configuration with quick start	CSS Redundancy Configuration Guide Chapter 1, Configuring VIP and Virtual Interface Redundancy
Virtual authentication configuration	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
Virtual SSL servers for the SSL termination configuration	CSS SSL Configuration Guide Chapter 4, Configuring SSL Termination
Virtual web hosting configuration	CSS Content Load-Balancing Configuration Guide Chapter 10, Configuring Content Rules

Table 5-1 Administration and Configuration Task Topic List (continued)

Task Topic	Guide and Chapter
VLAN trunking configuration	CSS Routing and Bridging Configuration Guide Chapter 1, Configuring Interfaces and Circuits
VRID peering configuration	CSS Redundancy Configuration Guide Chapter 1, Configuring VIP and Virtual Interface Redundancy
WebNS Device Management user interface quick start	CSS Device Management User's Guide Chapter 2, Configuring the CSS for Device Management
WebNS Device Management user interface, browser and platform support, and supported features	CSS Device Management User's Guide Chapter 1, WebNS Device Management User Interface Overview,
WebNS Device Management user interface, use	CSS Device Management User's Guide Chapter 3, Using the Device Management User Interface
Wireless users for E-commerce applications configuration	CSS Content Load-Balancing Configuration Guide Chapter 11, Configuring Sticky Parameters for Content Rules
XML access to the CSS	CSS Security Configuration Guide Chapter 1, Controlling CSS Access
XML configuration	CSS Administration Guide Chapter 7, Using an XML Document to Configure the CSS
Zone-based DNS on a CSS configuration with quick start	CSS Global Server Load-Balancing Configuration Guide Chapter 1, Configuring the CSS as a Domain Name System Server

Comprehensive CSS Documentation List

This section contains information for the following CSS documentation:

- [Cisco Content Services Switch Administration Guide](#)
- [Cisco Content Services Switch Routing and Bridging Configuration Guide](#)
- [Cisco Content Services Switch Content Load-Balancing Configuration Guide](#)
- [Cisco Content Services Switch Global Server Load-Balancing Configuration Guide](#)
- [Cisco Content Services Switch Redundancy Configuration Guide](#)
- [Cisco Content Services Switch Security Configuration Guide](#)
- [Cisco Content Services Switch SSL Configuration Guide](#)
- [Cisco Content Services Switch Device Management User's Guide](#)

For information on CSS CLI commands, refer to the *Cisco Content Services Switch Command Reference*. This reference provides an alphabetical list of all CLI commands including syntax, options, and related commands.

Cisco Content Services Switch Administration Guide

This guide describes how to perform administrative tasks on the CSS, including managing and upgrading your CSS software. [Table 5-2](#) lists the chapters and appendices in this guide, and a description of their contents and tasks.

Table 5-2 Cisco Content Services Switch Administration Guide

Chapter	Contents/Tasks
Chapter 1, Managing the Software	<ul style="list-style-type: none"> • Overview of CSS system software • Creating an FTP record to access an FTP server from the CSS and how to copy files from the server • Saving configuration changes for subsequent CSS reboots. • Configuring file storage locations for a two-disk 11500 series CSS. These tasks include formatting a disk, defining which disk is the boot disk and where to save the log files and core dumps, and copying files between the disks. • Unpacking and removing an ArrowPoint Distribution Image (ADI) to a CSS disk. • Archiving files to the CSS archive directory and then restoring them. • Enabling and handling core dumps. • Displaying the system information for the CSS.
Chapter 2, Specifying the CSS Boot Configuration	<ul style="list-style-type: none"> • Boot setup quick start. • Accessing boot configuration mode and its commands. • Configuring a primary location from which the CSS accesses the boot image • Configuring a secondary location from which the CSS accesses the boot image when the primary boot configuration fails. • Configuring the individual components of the boot configuration record on the passive SCM installed in a CSS 11506 chassis. A passive module is a standby module in case of an active module failure. • Booting the CSS from a network drive. • Displaying the boot configuration.

Table 5-2 Cisco Content Services Switch Administration Guide (continued)

Chapter	Contents/Tasks
Chapter 3, Configuring User Profiles	<ul style="list-style-type: none"> • Overview of user-profiles • User profile configuration quick start. • Configuring how to control the output to the system terminal screen including length of time that a session can be idle before the CSS terminates it, the number of output lines that the CLI displays, the --More-- prompt at the bottom of the terminal screen, how the CSS displays subnet masks, and the total amount of time a session can be logged in before the CSS terminates it. • Globally setting the total amount of time all console, Telnet, SSH or FTP sessions can be active before the CSS terminates them. • Configuring expert mode to turn the CSS confirmation capability on or off. • Changing the CLI prompt. • Modifying the size of the history buffer that stores the most recent CLI commands that you enter. • Configuring the banner that appears when you log in to the CSS. • Copy the running profile from the CSS to the default-profile file, an FTP server, a TFTP server, or your user-profile file.
Chapter 4, Using the CSS Logging Features	<ul style="list-style-type: none"> • Enable logging • Setting up the log buffer • Determining where to send the activity information • Displaying and interpreting log messages
Chapter 5, Configuring Simple Network Management Protocol (SNMP)	<ul style="list-style-type: none"> • Overview of SNMP and the MIB. • Preparing SNMP on the CSS. • Defining the CSS as an SNMP agent. This section includes a quick start. • Configuring special enterprise traps to notify the trap host of Denial of Service (DoS) attacks on your system. This section includes a quick start. • Managing SNMP on the CSS. • SNMP traps and MIB object lists.

Table 5-2 Cisco Content Services Switch Administration Guide (continued)

Chapter	Contents/Tasks
Chapter 6, Configuring Remote Monitoring (RMON)	<ul style="list-style-type: none"> • Configuring an RMOM event, alarm, and history with applicable quick starts • Displaying RMON statistics and history data, and alarm event notifications
Chapter 7, Using an XML Document to Configure the CSS	<ul style="list-style-type: none"> • Creating XML code • Allowing the transfer of XML configuration files on the CSS • Parsing the XML code • Publishing the XML code to the CSS • Testing the output of the XML code
Chapter 8, Using the CSS Scripting Language.	<ul style="list-style-type: none"> • Playing a script • Using the command scheduler to configure the scheduled execution of any CLI commands, including playing scripts • Using the echo command to control what appears on the screen during script execution • Using commented lines to document your script with comments. • Using variables to construct commands, command aliases, and scripts • Using logical and relational operators and branch commands • Using arrays to hold subvalues (elements) within its memory space • Capturing user input in a variable • Passing command line arguments as quoted text to a script • Using functions to organize your scripts into subroutines or modules • Using the grep command to search for specified data • Using socket command allowing ASCII or hexadecimal send and receive functionality • Script examples

Table 5-2 Cisco Content Services Switch Administration Guide (continued)

Chapter	Contents/Tasks
Appendix A, Upgrading Your CSS Software	<ul style="list-style-type: none"> • Downloading the new CSS software and creating an FTP server record • Using the upgrade script to automatically or interactive upgrade the CSS software • Manually upgrading the CSS software through CLI commands • Updating MIBs
Appendix B, Using the Offline Diagnostic Monitor Menu	<ul style="list-style-type: none"> • Setting the boot configuration: <ul style="list-style-type: none"> – Configure a primary and secondary location from which the CSS accesses the boot image. – Configure an IP address for the CSS – Configure a subnet mask – Configure a default gateway • Showing the boot configuration. • Selecting Advanced Options to: <ul style="list-style-type: none"> – Delete a software version from the disk – Set a password for the Offline DM Main menu – Set an administrative username and password – Reformat the disk and perform a check disk – Configure disks • Rebooting the CSS.

Cisco Content Services Switch Routing and Bridging Configuration Guide

This guide describes how to perform routing and bridging configuration tasks on the CSS. [Table 5-3](#) lists the chapters in this guide, and a description of their contents and tasks.

Table 5-3 Cisco Content Services Switch Routing and Bridging Configuration Guide

Chapter	Contents/Tasks
Chapter 1, Configuring Interfaces and Circuits	<ul style="list-style-type: none"> • Overview of interfaces and circuit. • An interfaces and Virtual LAN (VLAN) circuits quick start. • Configuring a Ethernet interfaces including setting the maximum idle time, bridging it to a VLAN circuit, specifying VLAN trunking, configuring spanning-tree bridging and Port Fast, displaying the interfaces configuration, and shutting down the interfaces. • Configuring VLAN circuits including configuring a circuit IP interface, configuring Router-Discovery Protocol Settings for a Circuit, and displaying circuit and IP interface information. • Configuring RIP for an IP interface including a default route, the receive and send versions, and packet logging, and displaying the configurations. • Configuring the Switched Port Analyzer feature to mirror (copy) traffic passing through one CSS port (Fast Ethernet or Gigabit Ethernet) to another designated port of the same type and on the same CSS module for analysis. Instructions to verify the configuration are also provided.
Chapter 2, Configuring Spanning-Tree Bridging for the CSS	<ul style="list-style-type: none"> • Spanning-tree protocol (STP) quick start • Configuring aging, forward and hello time, priority and max-age • Disabling spanning-tree • Displaying the bridge configuration

Table 5-3 Cisco Content Services Switch Routing and Bridging Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 3, Configuring Open Shortest Path First (OSPF)	<ul style="list-style-type: none"> • Overview of OSPF • An OSPF configuration quick start • Configuring OSPF on the CSS • Configuring OSPF on a CSS IP interface • Displaying OSPF information
Chapter 4, Configuring the Address Resolution Protocol	<ul style="list-style-type: none"> • Address Resolution Protocol (ARP) configuration quick start • Configuring ARP timeout and wait period • Updating and clearing ARP parameters • Displaying ARP information
Chapter 5, Configuring Routing Information Protocol	<ul style="list-style-type: none"> • Routing Information Protocol (RIP) configuration quick start • Advertising a route through RIP on the CSS. • Advertising routes from other protocols through RIP • Setting the maximum number of routes that RIP can insert into the routing table • Displaying RIP configurations

Table 5-3 Cisco Content Services Switch Routing and Bridging Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 6, Configuring the Internet Protocol	<ul style="list-style-type: none"> • Internet Protocol (IP) configuration quick start. • Configuring an IP route. You can configure a static route, a default static IP route, a blackhole route (where the CSS drops any packets addressed to the route), or a firewall IP route. • Disabling an implicit service for the static route next hop, to forward traffic to the next hop even when the next hop is unavailable. • Configuring an IP source route to enable the CSS to process frames with information that overrides the default routing. • Configuring the IP record route to enable the CSS to process frames with the IP address of each router along a path. • Configuring box-to-box redundancy between two identically configured CSSs. • Configuring IP equal-cost multipath (ECMP) selection algorithm and the preferred reverse egress path. • Forwarding IP subnet broadcast addressed frames. • Configuring IP unconditional bridging to always make a bridging decision on the received packets. • Configuring IP opportunistic Layer 3 forwarding to enable opportunistic Layer 3 forwarding and allow the CSS to make Layer 3 forwarding decisions even if the Layer 2 packet destination MAC address does not belong to the CSS. • Displaying IP configuration information.

Table 5-3 Cisco Content Services Switch Routing and Bridging Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 7, Configuring the Cisco Discovery Protocol	<ul style="list-style-type: none"> • Cisco Discovery Protocol (CDP) configuration quick start • Enabling CDP • Setting the hold time that a receiving device retains the CDP information sent by the CSS (time-to-live information) before discarding this information • Setting the transmission rate to specify the frequency at which the CSS transmits CDP packets to all receiving CDP-compatible devices • Displaying CDP information
Chapter 8, Configuring the DHCP Relay Agent	<ul style="list-style-type: none"> • Dynamic Host Configuration Protocol (DHCP) configuration quick start • Adding a DHCP destination on a circuit so that the initial DHCP broadcast request from the CSS is sent to all of the configured destinations • Enabling and disabling DHCP on the circuit • Defining the hops field value for forwarding DHCP messages • Displaying the DHCP relay configuration

Cisco Content Services Switch Content Load-Balancing Configuration Guide

This guide provides instructions to configure content load balancing on the CSS including the configuration of keepalives, source groups, loads, DFP, content rules, and content replication. [Table 5-4](#) lists the chapters in this guide, and a description of their contents and tasks.

Table 5-4 Cisco Content Services Switch Content Load-Balancing Configuration Guide

Chapter	Contents/Tasks
Chapter 1, Content Load-Balancing Overview	<ul style="list-style-type: none"> • Provides information to assist you in understanding what happens when load balancing occurs on the CSS by providing information about the relationship of service, owner, and content rules, and describes how the CSS handles TCP and UDP traffic
Chapter 2, Configuring Flow and Port Mapping Parameters	<ul style="list-style-type: none"> • Configuring flow parameters to create permanent TCP and UDP ports, configuring how often the CSS scans flows from reserved Telnet and FTP control ports to reclaim them, changing the maximum segment size (MSS), and displaying the statistics on currently allocated flows • Configuring flow inactivity timeouts on content rules and source groups and displaying the timeout statistics • Configuring flow processing for fragmented IP packets allowing the CSS to process the IP fragments in the flow path, defining the maximum and minimum fragment size, and displaying and resetting the IP fragment statistics • Configuring a CSS to send a TCP reset if a VIP is unavailable • Configuring the flow-state table to alter the flow characteristics and NAT state of TCP and UDP ports and displaying the table • Configuring CSS port mapping to globally control the range of port numbers a CSS uses to perform port address translation (PAT) on TCP and UDP source ports, and display port mapping statistics

Table 5-4 Cisco Content Services Switch Content Load-Balancing Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 3, Configuring Services	<ul style="list-style-type: none"> • A service configuration quick start • Configuring an IP Address, port, protocol, domain name, HTTP redirect string and cookie, weight service type, access, and maximum TCP connections • Associating an FTP access mechanism with a service when a service offers publishing services • Bypassing content rules on caches to prevent the CSS from applying content rules to requests originating from a proxy or transparent-cache service type • Enabling destination Network Address Translation (NAT) for the transparent-cache service type • Bypassing a cache farm and establishing a connection with the origin server to retrieve noncacheable content • Activating and suspending services • Showing service information and clearing statistics
Chapter 4, Configuring Service, Global, and Script Keepalives	<ul style="list-style-type: none"> • Overview of keepalives • Configuring service keepalives • Configuring global keepalives and a quick start • Configuring keepalive attributes for service and global keepalives including frequency, retry period, maximum failures, type, TCP keepalive with graceful socket close, port number, method, HTTP response code, URI, and hash value • Displaying keepalive information • Using script keepalives with services

Table 5-4 Cisco Content Services Switch Content Load-Balancing Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 5, Source Groups for Services	<ul style="list-style-type: none"> • Overview of source groups and port mapping • A source group configuration quick start • Configuring a VIP address, service, and destination service • Activating and suspending a source group • Configuring port mapping including a starting port, number of ports in a port-map range, and a VIP address range, and disabling port mapping • Configuring source groups with ACLs, for FTP connections, and to allow servers to resolve domain names using the Internet • Displaying source group information and clearing counters
Chapter 6, Configuring Loads for Services	<ul style="list-style-type: none"> • Overview of service loads • A relative load configuration quick start • Configuring relative loads including global load reporting, load step, load threshold, and teardown and ageout timers. • Displaying global service loads • An absolute load configuration quick start • Configuring the absolute load calculation method including modifying and optimizing the absolute load scale, and setting the load variance • Displaying relative load statistics and absolute load calculation ranges • Using ArrowPoint Content Awareness (ACA) load-balancing algorithm to balance traffic between a group of servers based on load and weight
Chapter 7, Configuring Server/Application State Protocol for Server Load Balancing	<ul style="list-style-type: none"> • Overview of Server/Application State Protocol (SASP) • Configuring an SASP agent, and enabling SASP on the CSS • Displaying SASP information, including configured SASP agents and supported services

Table 5-4 Cisco Content Services Switch Content Load-Balancing Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 8, Configuring Dynamic Feedback Protocol for Server Load Balancing	<ul style="list-style-type: none"> • Overview of Dynamic Feedback Protocol (DFP) • Configuring a DFP agent to listen for DFP connections on a particular IP address and TCP port combination on a server, and to enable the DFP manager on the CSS • Maintaining a consistent weight range among services • Displaying DFP information, including configured DFP agents and supported services
Chapter 9, Configuring Owners	<ul style="list-style-type: none"> • Configuring owner attributes such as a DNS balance type, address, billing information, case sensitivity, DNS type • Removing an owner • Displaying owner information
Chapter 10, Configuring Content Rules	<ul style="list-style-type: none"> • Overview of content rules. • Content rule configuration quick start. • Assigning a content rule to an owner. • Configuring the virtual IP (VIP) address. • Configuring a domain name content rule. • Configuring a domain qualifier list (DQL) and virtual web hosting (VWH) including a quick start. • Adding a service to a content rule. This section includes specifying a service weight, adding a primary and secondary sorry server, and adding a DNS name to a content rule. • Activating, suspending, and removing a content rule. • Configuring a port, load-balancing algorithm, DNS balance type, hot lists, extension qualifier lists (EQL), Uniform Resource Locator qualifier list (URQL) and quick start, Uniform Resource Locator (URL), spanned packets, load threshold, services in CSS ping response decision, TCP flow reset reject, persistence, remapping and redirection, failover handling, and application type. • Displaying content rule information and clearing counters.

Table 5-4 Cisco Content Services Switch Content Load-Balancing Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 11, Configuring Sticky Parameters for Content Rules	<ul style="list-style-type: none"> • Overview of sticky • Configuring sticky on the CSS • Specifying an advanced load-balancing method for sticky content • Configuring SSL-Layer 4 fallback • Configuring sticky serverdown failover • Configuring a sticky subnet mask, inactivity timeout, sticky contents for SSL, string range, string operation, ASCII conversion, multiple string matches, end of string characters, string prefix, and string process and skip length • Configuring sticky parameters for E-commerce and other Internet applications including arrowpoint and location cookies, wireless users for E-commerce applications, and Session Initiation Protocol (SIP) load balancing • Displaying sticky attributes, tables, and connection statistics
Chapter 12, Configuring HTTP Header Load Balancing	<ul style="list-style-type: none"> • Overview of HTTP header load balancing • HTTP header load-balancing configuration quick start • Creating a header-field group, configuring a header-field entry, and associating a header-field group to a content rule • HTTP header load-balancing configuration examples • Displaying header-field groups

Table 5-4 Cisco Content Services Switch Content Load-Balancing Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 13, Configuring Caching	<ul style="list-style-type: none"> • Overview of caching • Caching configuration quick start • Configuring caching content rules, including specifying a service and failover type, load-balancing algorithm, double-wildcard caching rule, bypass caches, and NATing for the transparent cache service type • Configuring NAT peering and quick start
Chapter 14, Configuring Content Replication	<ul style="list-style-type: none"> • Demand-based content replication quick start • Configuring demand-based content replication including hot lists, service type, maximum age, pieces of content, and disk space for replicated objects on services, and FTP access • Content staging and replication quick start • Configuring content staging and replication including publishing and subscribing services, FTP access, and publisher content replication • Displaying content

Cisco Content Services Switch Global Server Load-Balancing Configuration Guide

This guide describes how to perform CSS global load-balancing configuration tasks. [Table 5-5](#) lists the chapters in this guide, and a description of their contents and tasks.

Table 5-5 Cisco Content Services Switch Global Server Load-Balancing Configuration Guide

Chapter	Contents/Tasks
Chapter 1, Configuring the CSS as a Domain Name System Server	<ul style="list-style-type: none"> • Overviews of CSS DNS feature and Application Peering Protocol (APP). • Configuring APP including the maximum frame size, TCP port, session, and the issuing of CLI commands (including playing scripts) to remote CSS peers over an APP session. • Displaying APP information. • Zone-based DNS quick start. • Configuring zone-based DNS on a CSS including a DNS server, buffer count, DNS forwarder server, responder task count, zones, domain records, and kal-ap-vip client and agent. • Configuring content rule-based DNS and quick start. This section includes configuring DNS exchange policy for the owner, DNS peering and server, and adding and removing a DNS name from a content rule. • Displaying DNS information for a CSS configured as a DNS server including zone, record and peering information.
Chapter 2, Configuring the DNS Sticky Feature	<ul style="list-style-type: none"> • Overview of CSS Domain Name System (DNS) Sticky feature • DNS sticky with or without global server load balancing (GSLB), and network proximity quick starts • Converting your content rule-based DNS configuration to a zone-based DNS configuration • Configuring DNS sticky parameters • Displaying DNS sticky information

Table 5-5 Cisco Content Services Switch Global Server Load-Balancing Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 3, Configuring a CSS as a Content Routing Agent	<ul style="list-style-type: none"> • Overview of CRA • A CRA quick start • Configuring CRA parameters including enabling the CRA, and configuring the CPU load threshold, domain records, and alias for an existing client domain • Displaying and clearing CRA statistics
Chapter 4, Configuring a Client-Side Accelerator	<ul style="list-style-type: none"> • Overview of CSA and configuration examples • A CSA quick start • Configuring CSA parameters including enabling CSA functionality and configuring domain cache, DNS server forwarder, and accelerated domains • Displaying CSA information
Chapter 5, Configuring Network Proximity	<ul style="list-style-type: none"> • Overviews on network proximity and configuring a proximity database on a CSS 11150 and a proximity domain name server (PDNS) as an authoritative DNS server that uses information from the Proximity Database (PDB) to resolve DNS requests • Configuring Application Peering Protocol-User Datagram Protocol (APP-UDP) to exchange proximity information between a PDB and a PDNS, and between a PDNS and services and APP • Configuring domain records • Enabling PDNS and proximity lookup cache • Displaying PDNS information

Cisco Content Services Switch Redundancy Configuration Guide

This guide describes how to perform CSS redundancy configuration tasks.

[Table 5-6](#) lists the chapters in this guide, and a description of their contents and tasks.

Table 5-6 Cisco Content Services Switch Redundancy Configuration Guide

Chapter	Contents/Tasks
Chapter 1, Configuring VIP and Virtual Interface Redundancy	<ul style="list-style-type: none"> • Overviews of CSS redundancy and VIP and virtual interface redundancy • A VIP and virtual interface redundancy quick start • Configuring VIP and virtual interface redundancy including the circuit IP interface, virtual router, redundant VIP and virtual interface, VRID peering and quick start, critical service, critical physical interface and quick start, and synchronizing a VIP redundancy configuration • Displaying VIP and virtual interface redundancy information
Chapter 2, Configuring Adaptive Session Redundancy	<ul style="list-style-type: none"> • Overview of CSS redundancy • ASR quick start • Configuring ASR, including Inter-Switch Communications (ISC); redundant services, content rules, and source groups; and synchronizing ASR configurations • Displaying ASR information

Table 5-6 Cisco Content Services Switch Redundancy Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 3, Configuring Box-to-Box Redundancy	<ul style="list-style-type: none"> • Overview of CSS redundancy and redundancy protocol • Redundancy configuration quick start • Cabling redundant CSSs • Configuring redundancy including IP redundancy, redundant circuits, redundancy protocol, and VRRP backup timer • Synchronizing a redundant configuration • Configuring a backup CSS as a master temporarily • Configuring multiple redundant uplink services • Adding an interface to the physical link configuration list • Configuring stateless redundancy failover • Displaying redundant configurations

Cisco Content Services Switch Security Configuration Guide

This guide describes how to perform CSS security configuration tasks. [Table 5-7](#) lists the chapters in this guide, and a description of their contents and tasks.

Table 5-7 Cisco Content Services Switch Security Configuration Guide

Chapter	Contents/Tasks
Chapter 1, Controlling CSS Access	<ul style="list-style-type: none"> • Changing the administrative username and password • Creating usernames and passwords • Controlling remote user access to the CSS including virtual and console authentication • Controlling administrative access to the CSS • Controlling network traffic through Access Control Lists (ACLs), including an overview, quick start, configuring clauses, applying the ACL to a circuit, and enabling ACLs • Configuring Network Qualifier Lists for ACLs
Chapter 2, Configuring the Secure Shell Daemon Protocol	<ul style="list-style-type: none"> • Enabling SSH • Configuring SSH access, SSHD on the CSS, and Telnet access when using SSHD • Displaying SSHD configurations
Chapter 3, Configuring the CSS as a Client of a RADIUS Server	<ul style="list-style-type: none"> • RADIUS configuration quick start • Configuring a RADIUS server for use with the CSS including authentication and authorization settings • Configuring primary and secondary RADIUS servers, timeout interval, retransmits, and dead-time interval • Displaying RADIUS server configuration information

Table 5-7 Cisco Content Services Switch Security Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 4, Configuring the CSS as a Client of a TACACS+ Server	<ul style="list-style-type: none"> • TACACS+ configuration quick start • Configuring TACACS+ server user accounts for use with the CSS, including authentication and authorization settings • Configuring global TACACS+ attributes, including timeout period, encryption key, and keepalive frequency • Defining a TACACS+ server • Setting TACACS+ authorization and accounting to control specific CSS commands • Displaying TACACS+ server information
Chapter 5, Configuring Firewall Load Balancing	<ul style="list-style-type: none"> • Configuring Firewall Load Balancing (FWLB) including keepalive timeout, IP static route, OSPF and RIP to advertise firewall routes • Configuring FWLB with VIP and virtual interface redundancy • Displaying firewall information including flow summaries and routes

Cisco Content Services Switch SSL Configuration Guide

This guide provides instructions for configuring the SSL features on the CSS. [Table 5-8](#) lists the chapters in this guide, and a description of their contents and tasks.

Table 5-8 Cisco Content Services Switch SSL Configuration Guide

Chapter	Contents/Tasks
Chapter 1, Overview of CSS SSL	<ul style="list-style-type: none"> • Overviews of SSL cryptography and the CSS SSL features including SSL termination, client authentication, back-end SSL, and SSL initiation
Chapter 2, SSL Configuration Quick Starts	<ul style="list-style-type: none"> • Generating RSA certificates and keys and importing quick starts • SSL termination, back-end SSL, and SSL initiation proxy lists quick starts • Configuring services and content rules for SSL termination, back-end SSL server, and SSL initiation quick starts

Table 5-8 Cisco Content Services Switch SSL Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 3, Configuring SSL Certificates and Keys	<ul style="list-style-type: none"> • Overview of SSL certificates and keys • Generating certificates and private keys including RSA and DSA key pairs, Diffie-Hellman key parameters, and self-signed certificate • Preparing a global site certificate • Importing and exporting certificates and private keys, including configuring the FTP record, and transferring certificate and keys to the CSS • Associating certificates and private key files with names including an imported or generated certificate, RSA and DSA key pair, and Diffie-Hellman parameters • Verifying a certificate against a key pair • Removing certificates and private keys from the CSS
Chapter 4, Configuring SSL Termination	<ul style="list-style-type: none"> • Overview of SSL termination • Creating an SSL proxy list • Configuring virtual SSL servers for the SSL proxy list, including a VIP address and port; certificate, key and cipher suites for server authentication; client authentication; HTTP header insertion; SSL or TLS version; secure URL rewrite; session cache timeout and handshake negotiation; delay time for SSL queued data; client and server side connection timeouts; and Nagle algorithm and TCP buffering for SSL TCP connections • Activating and suspending the proxy list • Configuring a service and a content rule for SSL termination

Table 5-8 Cisco Content Services Switch SSL Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 5, Configuring Back-End SSL	<ul style="list-style-type: none"> • Overview of back-end SSL • Creating an SSL proxy list • Configuring back-end SSL server in the proxy list, including a VIP address and port, server IP address and port, SSL version, cipher suites, session cache timeouts and handshake renegotiation, client and server side connection timeouts, and Nagle algorithm and TCP buffering for SSL TCP connections • Activating and suspending the proxy list • Configuring a service and content rule for back-end SSL
Chapter 6, Configuring SSL Initiation	<ul style="list-style-type: none"> • Overview of SSL initiation • Creating an SSL initiation proxy list • Configuring a back-end SSL initiation server in the proxy list including the IP address and port for the SSL initiation server, server IP address and port, SSL version, cipher suites, session cache timeouts and handshake renegotiation, client and server side connection timeouts, Nagle algorithm and TCP buffering for SSL TCP connections, client certificate and keys, and CA certificates for server authentication • Activating and suspending the proxy list • Configuring a service and content rule for SSL initiation • Troubleshooting SSL initiation

Table 5-8 Cisco Content Services Switch SSL Configuration Guide (continued)

Chapter	Contents/Tasks
Chapter 7, Displaying SSL Configuration Information and Statistics	<ul style="list-style-type: none">• Displaying certificates and key pairs• Displaying SSL proxy configurations• Displaying CRL record configurations• Displaying SSL URL rewrite and SSL module statistics• Displaying SSL flows
Chapter 8, Examples of CSS SSL Configurations	<ul style="list-style-type: none">• Processing of SSL flows by the SSL module• SSL transparent proxy configuration with one SSL module, two SSL module, or HTTP and back-end SSL servers• SSL full proxy configuration• SSL initiation configuration

Cisco Content Services Switch Device Management User's Guide

This guide describes how to use the Device Management user interface, an HTML-based Web-based application that you use to configure and manage your CSS. [Table 5-9](#) lists the chapters in this guide, and a description of their contents and tasks.

Table 5-9 Cisco Content Services Switch Device Management User's Guide

Chapter	Contents/Tasks
Chapter 1, WebNS Device Management User Interface Overview	<ul style="list-style-type: none"> • Overview of the WebNS Device Management user interface, browser and platform support, and supported features
Chapter 2, Configuring the CSS for Device Management	<ul style="list-style-type: none"> • WebNS Device Management user interface quick start • Enabling the user interface • Entering the secure management license key for SSL strong encryption • Configuring idle timeout, Ethernet port, SNMP community, and your browser • Restricting access to the user interface • Viewing and installing the SSL security certificate
Chapter 3, Using the Device Management User Interface	<ul style="list-style-type: none"> • Accessing and logging in to the Device Management user interface • Navigating the Device Management user interface • Adding and modifying CSS configuration information • Using a monitor and summary form • Using online Help • Troubleshooting problems during a Device Management session