



Symbols

- ! (exclamation point) [4-728, 4-739](#)
- (hyphen) [2-188, 4-739, 4-783](#)
- ... (ellipsis) [4-739](#)
- .bin files
 - installing [2-189](#)
- .nsc file [4-667](#)
- .pax files
 - installing [2-189](#)
- / (slash) [2-64](#)
- ? (question mark) [2-187](#)

A

- aaa [2-23](#)
 - configuration, displaying [3-344](#)
- aaa accounting
 - statistics for [4-619](#)
- access lists
 - configuration, displaying [3-347](#)
 - configuring [2-27](#)
 - enabling [2-27](#)
 - group names [2-28](#)
 - interfaces and applications
 - applying to [2-204](#)
 - status [3-423](#)
 - statistics
 - clearing [2-93](#)
 - displaying [3-563](#)
- accounting, authentication, authorization
 - statistics
 - displaying [3-562](#)

ACLs

- See IP ACLs

ACPI

- models supporting [4-674](#)

acquirer

- delivery service information and content acquisition progress, displaying [3-348](#)
- delivery service statistics, displaying [3-564](#)
- proxy authentication [2-33](#)
- starting and stopping acquisition on a specific delivery service [2-30](#)

acquisition and distribution

- starting and stopping [2-35](#)

action rule

- configuring [3-316](#)

admission control

- statistics
 - displaying [3-567](#)

address translation tables [3-353](#)

administrative login authentication and authorization

RADIUS

- enabling and disabling [3-295](#)

TACACS+

- enabling and disabling [4-706](#)

administrative privileges

- users, clearing [2-99](#)

alarm information

- for all alarms [3-350](#)
- for critical alarms [3-351](#)
- for major alarms [3-351](#)
- for minor alarms [3-351](#)

alarms

- displaying status and history [3-350](#)

alarm traps

- configuring [4-684](#)
- generating [4-684](#)
- Apache CLF transaction log format [4-739](#)
- applications
 - applying access lists to [2-204](#)
- archive log file
 - compressing [4-744](#)
 - marking beginning and end [4-739](#)
 - maximum size [4-739](#)
 - naming convention [4-742](#)
- ARP table, displaying [3-353](#)
- authentication
 - access lists, enabling [2-27](#)
 - configuration, displaying [3-354](#)
 - outgoing proxy [2-33](#)
 - proxy server [2-33](#)
 - statistics, clearing [2-93](#)
 - users
 - creating [4-759](#)
- authorization server
 - configuring [2-42](#)
 - enabling [2-42](#)
 - statistics, displaying [3-569](#)

B

- bandwidth
 - displaying [3-356](#)
 - interface, configuring [2-48](#)
 - multicast [3-253](#)
 - network resources [2-45](#)
 - setting for streaming media [2-45](#)
- bandwidth configuration
 - incoming and outgoing [2-46](#)
- banners
 - configuration of [2-50](#)
 - displaying [3-358](#)
 - enabling [2-51](#)
 - types of

- EXEC [2-51](#)
- login [2-51](#)
- motd [2-51](#)

- basic configuration settings
 - setting up [3-343](#)
- BGP (Border Gateway Protocol)
 - community string, displaying [3-428](#)
 - configuration mode [1-4](#)
 - debug information, displaying [2-134](#)
 - memory, displaying [3-431](#)
 - neighbor information, displaying [3-432](#)
 - neighbors, configuring [3-263](#)
 - next-hop information, displaying [3-434](#)
 - routing process, configuring [3-305](#)
 - routing table
 - content, displaying [3-425, 3-427](#)
 - IPv4 unicast routes, displaying [3-430](#)
 - summary [3-435](#)
- bit rate
 - displaying [3-359](#)
 - movie-streamer and WMT, configuring [2-53](#)
- blink [2-56](#)
- bootstrap node
 - configuring IP address [2-57](#)

C

- cache
 - content [2-59](#)
 - information, displaying [3-360, 3-362](#)
- caching
 - HTTP
 - objects [2-72](#)
 - matching against parameters for requests [3-316](#)
- caching services
 - setting up [3-343](#)
- calendar
 - setting [2-101](#)
- capability

- configuring [2-63](#)
- Cap-X profile ID
 - information, displaying [3-363](#)
- CAR
 - IP precedence
 - ToS [2-199](#)
- carousels
 - fixed [3-253](#)
- CDN file system
 - See [cdnfs](#)
- cdnfs
 - information, displaying [3-365](#)
 - managing [2-66](#)
 - statistics, displaying [3-573](#)
- CDN Selector
 - enabling [2-65](#)
 - information, displaying [3-364](#)
- CDS
 - content, displaying [3-372](#)
 - content-mgr, displaying [3-375](#)
 - installing [2-189](#)
- Centralized Management System
 - See [CMS](#)
- CISCO-ENTITY-ASSET-MIB
 - configuring [2-41](#)
- Cisco script
 - executing [3-325](#)
- Cisco Streaming Engine server
 - live streaming with [3-311](#)
- Cisco Technical Assistance Center (TAC) [4-649](#)
- classification
 - IP precedence
 - ToS field [2-199](#)
- clock
 - clearing and setting [2-101](#)
 - daylight saving and local time, setting [2-103](#)
 - displaying standard timezones [3-367](#)
 - Service Engine, synchronizing [3-274](#)
 - software time and date, setting [3-276](#)
 - system clock settings, displaying [3-367](#)
 - UTC current time of day, setting [2-104](#)
 - UTC offset, setting [2-104](#)
- CMS
 - database, configuring [2-107](#)
 - enabling [2-110](#)
 - maintenance routines, scheduling [2-110](#)
 - process information, displaying [3-370](#)
- cold restart [3-299](#)
- command-line processing [1-1](#)
- command modes
 - EXEC [1-3](#)
 - global configuration [1-3](#)
 - interface configuration [1-4](#)
- command syntax [1-5](#)
- configuration mode
 - IS-IS [1-4](#)
- configuration modes
 - BGP [1-4](#)
 - extended ACL [2-205](#)
 - ICAP service [1-4](#)
 - OSPF [1-4](#)
 - SRP [1-4](#)
 - standard ACL [2-205](#)
- configuring [2-118](#)
 - alarm traps [4-684](#)
 - disk space allocation [2-153](#)
- Connectionless Network Service (CLNS)
 - NET, configuring [3-266](#)
 - packet routing [3-476](#)
- console
 - setting length of display [4-720](#)
- content acquisition
 - database cleanup [2-35](#)
 - starting and stopping [2-35](#)
- Content Delivery System Manager
 - configuring IP address [2-69](#)
 - primary role [2-106](#)
 - SSL [2-107](#)

- standby role [2-69](#)
- content distribution
 - statistics, display [4-577](#)
- content manager [2-117](#)
 - statistics, displaying [3-575](#)
- content origin [2-118](#)
 - showing [3-378](#)
- copying
 - configuration data [2-119](#)
 - files [2-121, 2-122](#)
 - image data [2-119](#)
- crossdomain support [3-332](#)
- custom transaction log format [4-739](#)
 - log format string values [4-740](#)

D

- database cleanup
 - content acquisition and distribution [2-35](#)
- date and time
 - setting [3-276](#)
- daylight saving time
 - setting [2-103](#)
- debug
 - disabling [4-753](#)
 - information, displaying [3-380](#)
 - software functions [2-123](#)
- debug cdnfs command [2-133](#)
- default gateway
 - defining [2-195](#)
 - IPv6 address, configuring [2-216](#)
 - removing [2-195](#)
- default status
 - restoring [3-301](#)
- deleting
 - directories [2-147, 3-304](#)
 - directory trees [2-147](#)
 - files [2-146](#)
- delivery service distribution

- information, displaying [3-391](#)
- device mode
 - and linked CLI commands [1-1](#)
 - configuring [2-148](#)
 - displaying [3-384](#)
- devices
 - shutting down [4-674](#)
- DHT
 - clearing counters [2-94](#)
 - deleting route [2-91](#)
- differentiated service model
 - classification [2-199](#)
- directories
 - changing [2-64](#)
 - creating [3-246](#)
 - deleting [2-147, 3-304](#)
 - files, viewing [2-150, 3-234](#)
- Direct Server Return (DSR)
 - enabling a VIP [2-151](#)
 - information, displaying [3-386](#)
- disk drives
 - error handling thresholds
 - description of [2-160](#)
 - specifying [2-160](#)
- disks
 - configuring [2-153](#)
 - space allocation [2-153](#)
 - details, viewing [3-387](#)
 - partitions, removing [3-301](#)
 - space allocation [2-153](#)
- disk space allocated to system use [2-154](#)
- distribution
 - delivery service, displaying [3-391](#)
 - refresh content [2-162](#)
 - statistics
 - displaying [3-391](#)
- DNS lookup [2-166](#)
- domain ID
 - SRP, setting [2-167](#)

domain name
 resolving to IP address [2-166](#)

dumping network traffic [4-710](#)

DWRED

IP precedence
 ToS [2-199](#)

E

echo packets

 sending [3-277](#)

ellipsis (...) [4-739](#)

embedded database parameters

 configuring [2-106](#)

enabling [2-230](#)

 accounting, authentication, authorization [2-23](#)

 RADIUS authentication and authorization [3-296](#)

 rules processing [3-314](#)

 TACACS+ authentication and authorization [4-706](#)

exclamation point (!) [4-728, 4-739](#)

EXEC command mode

 described [1-3](#)

 returning to [2-172](#)

exiting

 from configuration modes [2-172](#)

 from privileged EXEC mode [2-152](#)

exporting transaction logs

 forced [4-731](#)

 to FTP server [4-744](#)

 to SFTP server [4-744](#)

extended access lists [2-205](#)

extended IP ACLs

 configuration examples [2-211](#)

 configuring [2-206](#)

 ICMP message types [2-209](#)

 supported keywords [2-208](#)

 TCP keywords [2-208](#)

Extended Squid transaction log format [4-739](#)

external FTP server

exporting transaction logs to [4-744](#)

permanent error from [4-745](#)

F

Fast Cache

 enabling [4-775](#)

Fast Start

 enabling [4-775](#)

file

 copying [2-122](#)

 creating [3-247, 4-731](#)

 deleting [2-146](#)

 displaying name [3-234, 4-748](#)

 management [2-64](#)

 renaming [3-300](#)

fixed carousel [3-253](#)

Flash Media Streaming, see FMS

flash memory

 configuring upon reload [3-299](#)

 data, removing [3-301](#)

 version and usage, displaying [3-404](#)

FMS

 configuring [2-178](#)

 enabling [2-178](#)

 information, displaying [3-406](#)

 statistics, displaying [4-580](#)

force reset of disk information [2-117](#)

FTP

 access lists [2-206](#)

 caching configuration, displaying [3-408](#)

FTP over HTTP

 Rules Template [3-317](#)

FTP servers

 exporting transaction logs to [4-744](#)

G

geo location server [2-182](#)

Gigabit Ethernet

configuring [2-190](#)

negating interface configuration command [3-273](#)

global configuration command mode

enable password [2-169](#)

entering [2-113](#)

exiting [2-170](#)

negating command [3-271](#)

setting [2-113, 2-114](#)

global configuration mode

description [1-3](#)

GMT

changing local time in content to [2-30](#)

UTC and [2-104](#)

Greenwich Mean Time

See GMT

group names

access lists [2-28](#)

gulp [2-184](#)

H

hardware interface

displaying information [3-416](#)

shutting down [4-673](#)

hardware status, displaying [3-409](#)

help system [1-6, 2-187](#)

history

statistics, clearing [2-94](#)

hostname

of Service Engine [2-188](#)

resolving to IP address [2-166](#)

hosts

name servers and IP addresses, displaying [3-415](#)

HTTP

object cache

clearing [2-72](#)

proxy

support for root Service Engine [2-33](#)

status codes [4-739](#)

transaction logging [4-738](#)

users, managing [4-760](#)

HTTPS

Rules Template with [3-317](#)

hyphen (-) [2-188, 4-739](#)

I

ICAP service configuration mode [1-4](#)

ICMP

access lists [2-206](#)

keywords for message type and code [2-209](#)

statistics

clearing [2-94](#)

displaying [4-589](#)

image data

copying [2-119](#)

initial network device settings

changing [2-195](#)

installing system image [2-189](#)

intelligent carousel [3-253](#)

interface

bandwidth [2-48](#)

configuring [2-190](#)

displaying hardware status [3-416](#)

standby [3-558](#)

interface configuration command mode [1-4](#)

interface IP

configuring [2-201](#)

Internet socket connection statistics

displaying [4-604](#)

inventory information

displaying [3-421](#)

IP ACLs

activating on an interface [2-211](#)

clearing IP ACL counter [2-76, 2-78](#)

creating and modifying [2-204](#)

description of [2-207](#)

extended configuration mode

accessing [2-206](#)

extended IP ACLs [2-208](#)

standard configuration mode

accessing [2-205](#)

standard IP ACLs [2-208](#)

typical uses of [2-207](#)

IP address

Content Delivery System Manager, configuring [2-69](#)

starting autodiscovery utility [2-196](#)

statistics, clearing [2-94](#)

IP default domain name

defining [2-195](#)

removing [2-195](#)

IP default gateway

defining [2-195](#)

removing [2-195](#)

IP interface

information, displaying [3-436](#)

IP precedence

edge function [2-199](#)

ToS field

classification [2-199](#)

IP route table, displaying [3-469](#)

IP statistics, display [4-595](#)

IS-IS (Intermediate System-to-Intermediate System)

adjacencies, displaying [3-474](#)

adjacency levels, configuring [2-220](#)

clearing counters [2-94](#)

CLNS destinations, displaying [3-476](#)

displaying debug information [2-142](#)

hostname table, displaying [3-481](#)

interface, specifying [2-215](#)

interface information, displaying [3-482](#)

link-state database, displaying [3-477](#)

memory, displaying [3-489](#)

neighbor status syslog [3-238](#)

process, displaying [3-490](#)

routing, enabling [3-306](#)

RRM, displaying [3-491](#)

RSPF route, displaying [3-485, 3-487](#)

SPF information, displaying [3-492](#)

SRM information, displaying [3-494](#)

SSN information, displaying [3-495](#)

statistics, displaying [4-599](#)

K

kernel debugger [2-225](#)

key chain

creating [2-228](#)

displaying [3-496](#)

key id [2-226](#)

key string [2-227](#)

keystroke combinations, CLI [1-2](#)

L

Last-Modified-Time [2-30](#)

launching

Setup utility [3-343](#)

Link Aggregation Control Protocol (lACP) [2-230](#)

link-state advertisement (LSA)

displaying OSPF information [3-440](#)

request list, displaying [3-452](#)

retransmission list, displaying [3-453](#)

link-state packet (LSP)

MTU, configuring [3-245](#)

lists

directory names [3-234](#)

file [3-244](#)

live events

about [3-509](#)

configuration requirements [3-510](#)

- live streaming
 - with Cisco Streaming Engine [3-311](#)
- live stream interruptions [3-510](#)
- load balancing
 - for port channel [3-280](#)
- local time, changing to GMT [2-30](#)
- log file
 - number of lines to view [4-750](#)
- log files
 - exporting [4-742](#)
 - restarting the export of [4-746](#)
- logging
 - configuring [3-239](#)
 - file rotation of logs [3-241](#)
 - RealProxy errors [3-242](#)
 - WMT multicast [4-772](#)
- logging in
 - to Service Engine
 - using SSH [4-702](#)
 - using Telnet [4-719](#)

M

- mapping syslog priority levels to RealProxy error codes [3-242](#)
- maximum concurrent jobs for multicast, setting [3-255](#)
- maximum transmission unit (MTU)
 - interface [3-252](#)
 - LSP [3-245](#)
- MIB view
 - defining [4-696](#)
- minimum bandwidth for multicast, setting [3-255](#)
- modes
 - command
 - EXEC [1-3](#)
 - global configuration [1-3](#)
 - interface configuration [1-4](#)
 - configuration
 - BGP [1-4](#)

- extended ACL [1-4](#)
- HTTP server [1-4](#)
- ICAP service [1-4](#)
- IS-IS (Intermediate System-to-Intermediate System) [1-4](#)
- OSPF [1-4](#)
- SRP [1-4](#)
- standard ACL [1-4](#)

Movie Streamer

- bit rate, setting [2-53](#)
- configuration, displaying [3-501](#)
- configuring [3-249](#)
- enabling [3-249](#)
- statistics, displaying [4-601](#)
- multicast [3-256](#)
 - configuring client options [3-253](#)
 - disabling backup senders [2-111](#)
 - logging
 - WMT [4-777, 4-780](#)
 - overview [4-776](#)
 - priority [3-253](#)
 - WMT, logging [4-777](#)
- multicast carousel [3-253](#)
- multicast cloud, displaying information [3-391](#)
- multicasting
 - definition [3-254](#)

N

- NAT
 - configuring [2-173, 2-174](#)
 - negating interface configurations [3-273](#)
 - neighbor resets, enabling logging [3-243](#)
 - netmon [3-267](#)
 - netstatr [3-268](#)
- Network Address Translation
 - See NAT
- network connectivity
 - testing [3-277](#)

network entity title (NET)

CLNS [3-266](#)

network host name

Service Engine [2-188](#)

network interfaces

EtherChannel [2-192](#)

Network Time Protocol

See NTP

network traffic

dumping [4-710](#)

node

activating [2-107](#)

communication over secure channels [2-106](#)

not-so-stubby area (NSSA)

configuring [2-39](#)

NTP

configuring and enabling [3-274](#)

setting software time and date [3-276](#)

status, displaying [3-504](#)

system clock, synchronizing [3-274](#)

number of lines displayed [4-720](#)

NVRAM

configuration stored, displaying [3-559](#)

startup configuration, writing or erasing [4-786](#)

O

offset from UTC [B-1](#)

online help [2-187](#)

OSPF (Open Shortest Path First)

configuration mode [1-4](#)

database, displaying [3-440](#)

debug information, displaying [2-136](#)

defining interfaces [3-269](#)

enabling [3-308](#)

information, displaying [3-437, 3-439](#)

interface, displaying [3-446](#)

interfaces, configuring area ID [3-269](#)

LSA

request list, displaying [3-452](#)

retransmission list, displaying [3-453](#)

LSA, displaying [3-440](#)

memory, displaying [3-448](#)

neighbor, displaying [3-450](#)

RSPF route, displaying [3-454, 3-456](#)

setting priority [2-212](#)

statistics, displaying [3-458](#)

outgoing proxy

authentication [2-33](#)

P

pacing bit rate

movie-streamer and WMT [2-53](#)

patterns

lists described [3-318](#)

rules for lists [3-316](#)

searching in files [2-176](#)

permanent errors

FTP server [4-745](#)

PGM protocol [3-257](#)

ping [3-277](#)

Service Router [3-278](#)

ping IPv6 address [3-279](#)

policies

and the Rules Template [3-317](#)

port channel

configuring [2-190](#)

load balancing options [3-280](#)

negating interface configuration [3-273](#)

powering off [4-674](#)

present working directory

information, displaying [3-234, 3-293](#)

preserving configurations on device restore [3-301](#)

preserving data on device restore [3-301](#)

primary Content Delivery System Manager [2-69](#)

primary interface

changing to a different interface [3-282](#)

configuring for Ethernet [3-282](#)

priority

multicast [3-253](#)

privileged level EXEC commands

accessing [2-168](#)

disabling [2-152](#)

processes

CPU or memory, displaying [3-506](#)

programs

displaying [3-508](#)

live [3-509](#)

movie streamer rebroadcast [3-510](#)

WMT rebroadcast

about [3-510](#)

Proximity

debugging [2-139](#)

turning on debug information [2-141](#)

Proximity Engine [2-213](#)

BGP proximity algorithm, enabling [3-284](#)

configuring location community [3-235](#)

deleting neighbors [2-86](#)

enabling [3-290](#)

proximity algorithm, displaying [3-460](#)

proximity servers, displaying [3-461](#)

replica-set information, displaying [3-553](#)

route information, displaying [3-554](#)

Q

question mark (?) [2-187](#)

queue

multicast priority [3-253](#)

QuickTime [3-311](#)

R

RADIUS server

authentication [3-294](#)

excluding domains [3-295](#)

information, displaying [3-514](#)

parameters, configuring [3-294](#)

statistics

clearing [2-94](#)

displaying [4-605](#)

RealProxy

access control [3-313](#)

error logging [3-242](#)

Real-Time Streaming Protocol

See RTSP

rebooting Service Engine [3-299](#)

Received Routing Message (RRM)

IS-IS [3-491](#)

regular pattern expression

searching [2-176](#)

reload [3-299](#)

reloading Service Engine

automatic reload option [2-160](#)

Remote Copy Program (RCP) [3-516](#)

enabling [3-298](#)

remote host route trace [4-726, 4-729, 4-730](#)

removing

nodes from the CDS network [2-107](#)

renaming a file [3-300](#)

replication status and statistics, displaying [4-606](#)

resetting

device to default condition [3-301](#)

restart, cold [3-299](#)

restoring

device to default condition [3-301](#)

RIB (Routing Information Base)

debug information, displaying [2-140](#)

memory, displaying [3-463](#)

recursive next-hop

displaying, information [3-465](#)

routing protocol

clients, displaying [3-462](#)

unresolved next-hop

- displaying [3-468](#)
 - rotated log files [3-241](#)
 - routes
 - displaying table [3-469](#)
 - traceroute6 [4-730](#)
 - tracing [4-726, 4-729](#)
 - RSPF (Reverse Shortest Path First)
 - OSPF route [3-454, 3-456](#)
 - RTSP
 - configurations and license agreements [3-517](#)
 - configuring [3-311](#)
 - gateway, purpose of [3-312](#)
 - gateway overview [3-312](#)
 - Rules Template [3-317](#)
 - rule actions
 - supported action and pattern combinations [3-318](#)
 - rules
 - configuration, displaying [3-518](#)
 - matching against regular expressions [3-316](#)
 - setting filters [3-314](#)
 - statistics, clearing [2-94](#)
 - See also Rules Template
 - Rules Template
 - actions
 - description [3-318](#)
 - patterns
 - description [3-320](#)
 - running configuration
 - current profile, displaying [3-520](#)
 - saving [4-786](#)
 - running statistics, clearing [2-94](#)
-
- S**
- saving
 - configuration changes [1-6](#)
 - file system contents [3-299](#)
 - scheduled WMT rebroadcasts
 - about [3-510](#)
 - script
 - executing [3-325](#)
 - secret keys
 - RADIUS [3-295](#)
 - TACACS+ [4-707](#)
 - Secure Shell
 - See SSH
 - send echo packets (ping) [3-277, 3-279](#)
 - Send Routing Message
 - IS-IS [3-494](#)
 - Send Sequence Number (SSN)
 - IS-IS [3-495](#)
 - service [3-326](#)
 - Service Engine
 - automatic reload [2-160](#)
 - Service Router
 - configuration [3-524](#)
 - configuring [3-327](#)
 - crossdomain support [3-332](#)
 - ping [3-278](#)
 - statistics, displaying [4-610](#)
 - services
 - access lists [2-204](#)
 - information [3-530](#)
 - statistics [4-615](#)
 - setup
 - configuring [3-343](#)
 - Shortest Path First (SPF)
 - IS-IS [3-492](#)
 - shutting down
 - Content Delivery System Managers [4-674](#)
 - hardware interfaces [4-673](#)
 - Program Managers [4-674](#)
 - Service Engines [4-674](#)
 - Service Routers [4-674](#)
 - slash (/) [2-64](#)
 - SNMP
 - communications status, displaying [3-532](#)
 - community string, configuring [4-682](#)

- host trap recipient, setting [4-688](#)
- security model group, defining [4-686](#)
- server user, defining [4-694](#)
- statistics, clearing [2-94](#)
- statistics, displaying [4-616](#)
- system location string, setting [4-691](#)
- system notify inform string, configuring [4-692](#)
- system server contact string, setting [4-683](#)
- traps, configuring [4-684](#)
- traps, disabling [4-684](#)
- traps, enabling [4-684](#)
- Version 2 MIB view, defining [4-696](#)
- socket connection
 - statistics, displaying [4-604](#)
- software clock
 - setting [3-276](#)
- source IP routing
 - configuring [2-196](#)
- Splunk Universal Forwarder
 - configuring [4-698](#)
- Squid transaction log format [4-739](#)
- SRP (Service Routing Protocol)
 - configuration, displaying [3-552](#)
 - configuration mode [1-4](#), [3-310](#)
 - database, clearing [2-83](#)
 - debug flags, displaying [3-383](#)
 - debug information, displaying [2-144](#)
 - descriptor, clearing resource [2-89](#)
 - descriptor, deleting [2-84](#)
 - descriptor information, displaying [3-536](#)
 - domain id, setting [2-167](#)
 - information, displaying [3-549](#)
 - leafset, displaying [3-543](#)
 - memory, displaying [3-545](#)
 - multicast database, displaying [3-546](#)
 - multicast flooding threshold [2-181](#)
 - multicast group, displaying [3-556](#)
 - statistics
 - clearing [2-94](#)
 - statistics, displaying [4-618](#)
- ss [4-700](#)
- SSH
 - configuration and status, displaying [3-557](#)
 - enabling daemon [4-702](#)
 - session timeout [2-171](#)
- standard access lists
 - creating [2-205](#)
- standard time zones
 - and offsets from UTC [B-1](#)
 - list of [B-1](#)
- standard timezones, displaying [3-367](#)
- standby Content Delivery System Manager [2-69](#)
- standby interface
 - displaying information [3-558](#)
- starting service [3-326](#)
- startup configuration
 - displaying [3-559](#)
- static IP routing
 - configuring [2-196](#)
- statistics
 - clearing [2-93](#)
- storage
 - prepositioned CDS network content [2-66](#)
- streaming media players
 - IP/TV Viewer [3-509](#)
 - QuickTime [3-509](#)
- stub area
 - defining [2-40](#)
- subdirectories
 - viewing names [3-234](#)
- summer daylight saving time
 - setting [2-103](#)
- synchronizing
 - system clock [3-274](#)
- syslog
 - configuration, displaying [3-499](#)
 - configuring [3-239](#)
 - hosts, configuring [3-241](#)

- RealProxy priority level error mapping [3-242](#)
- sysfs location [3-241](#)
- system clock
 - synchronized by time server [3-274](#)
- system disk space usage [2-154](#)
- system hardware
 - displaying status [3-409](#)
- system help [1-6](#)
- system image
 - installing [2-189](#)
- system inventory
 - displaying [3-421](#)
- system logging
 - configuring [3-241](#)
 - to console [3-239](#)
 - to disk [3-239](#)
 - to remote hosts [3-241](#)

T

TAC

- viewing technical support information [4-649](#)

TACACS+

- authentication information, displaying [4-647](#)
- configuring server parameters [4-706](#)
- statistics
 - clearing [2-95](#)
 - displaying [4-619](#)

TCP

- access lists [2-206](#)
- keywords and port numbers [2-208](#)
- statistics
 - clearing [2-95](#)
 - displaying [4-620](#)
- timestamp [4-717](#)

tcpmon [4-715](#)

technical support information

- viewing [4-649](#)

Telnet services

- configuration, displaying [4-655](#)

- enabling [4-719](#)

- session timeout [2-5, 2-171](#)

terminal

- setting number of lines to be displayed [4-720](#)

testing

- connectivity of URLs

- for FTP-over-HTTP [4-722](#)

- for HTTP [4-722](#)

test-url command

- troubleshooting

- with the HTTP CLI client [4-722](#)

TFTP

- access lists [2-206](#)

thresholds

- disk error handling [2-160](#)

time, correcting [2-30](#)

time and date

- setting [3-276](#)

timeout of a nonresponsive host [3-277](#)

timestamp

- TCP [4-717](#)

time zone

- list of [B-1](#)

- offset setting [2-104](#)

- setting [2-103](#)

token strings [4-739](#)

ToS

- classification [2-199](#)

trace the route of remote host [4-726, 4-729, 4-730](#)

transaction logging

- archive file naming convention [4-742](#)

- archiving working log files [2-98](#)

- clearing log export statistics [2-95](#)

- compressing archive files [4-744](#)

- configuration and archived files, displaying [4-656](#)

- configuring and enabling [4-733](#)

- exporting [4-744](#)

- forcing archive or export [4-731](#)

- formats [4-739](#)
- log export statistics, displaying [4-629](#)
- permanent errors from external server [4-745](#)
- transaction logs
 - archiving of [4-742](#)
 - clearing [2-98](#)
 - displaying configuration of [4-656](#)
 - exporting [4-742](#)
 - sanitizing [4-741](#)
- traps
 - enabling [4-684](#)
- troubleshooting
 - with ping [3-277](#)
 - with Telnet client [4-718](#)
 - with the HTTP CLI client [4-722](#)
 - with traceroute [4-726](#)
- troubleshooting utilities
 - gulp [2-184](#)
 - netmon [3-267](#)
 - netstatr [3-268](#)
 - ss [4-700](#)
 - tcpmon [4-715](#)

U

- UDI compliance [3-421](#)
- UDP
 - access lists [2-206](#)
 - keywords and port numbers [2-208](#)
 - statistics
 - clearing [2-95](#)
 - displaying [4-631](#)
- undoing global configuration commands [3-271](#)
- unicast static routes [2-213](#)
- Universal Coordinated Time
 - See UTC [B-1](#)
- updating the calendar [2-101](#)
- URL signature [4-755](#)
 - information, displaying [4-660](#)

- shared key [4-757](#)
- user-level EXEC command mode [1-3](#)
- username
 - displaying [4-771](#)
- users
 - administrative and authenticated, displaying [4-662](#)
 - authenticated users, clearing [2-99](#)
 - authentication [4-759](#)
 - defining for SNMP server [4-694](#)
 - removing data from disk [3-301](#)
 - user identification number and name, displaying [4-661](#)
- UTC
 - and standard time zones [B-1](#)
 - clock EXEC command [2-104](#)
 - offsets from [B-1](#)

V

- variable bit rates [2-54](#)
- version
 - displaying information about [4-663](#)

W

- Web Engine
 - configuring [4-762, 4-765](#)
 - information, displaying [4-665](#)
 - statistics, clearing [2-95](#)
 - statistics, displaying [4-632](#)
- WFQ
 - IP precedence
 - ToS [2-199](#)
- WMT [4-641](#)
 - bit rate, setting [2-53](#)
 - caching proxy
 - variable bit rates [2-54](#)
 - configuration and license information, displaying [4-667](#)

- configuring [4-772](#)
- conventional proxy service [4-775](#)
- enabling [4-775](#)
- Fast Cache
 - enabling [4-775](#)
- Fast Start
 - enabling [4-775](#)
- live splitting [4-778](#)
- multicast
 - logging [4-777](#)
 - overview [4-776](#)
- multicast-in and multicast-out [4-777](#)
- multicast-in and unicast-out [4-777](#)
- multicast-in multicast-out
 - description of [4-777](#)
- multicast-in unicast-out [4-777](#)
- multicast logging [4-777](#), [4-780](#)
- multicasts, types of
 - multicast-in multicast-out [4-777](#)
 - multicast-in unicast-out [4-777](#)
- rebroadcasts [3-510](#)
- statistics
 - clearing [2-95](#)
 - displaying [4-641](#)
- streaming and caching [4-641](#)
- unicast-in unicast-out
 - description of [4-777](#)
- unicast-out and multicast-in [4-777](#)
- WMT transaction logs
 - formats [4-778](#)
 - logging usernames [4-780](#)
 - specifying format of [4-778](#)
- working.log file [4-738](#)

