



I N D E X

Numerics

- 10 Gigabit Ethernet interfaces
 - modifying [6-7](#)

A

- AAA accounting
 - configuring [7-32](#)
- AAA-based management systems [2-26, 7-2](#)
- acceleration
 - about [1-7, 13-1](#)
 - features [1-7](#)
 - TCP adaptive buffering settings [13-65](#)
 - TCP settings [13-63](#)
- accelerators
 - enabling [13-3](#)
- accelerator threshold [13-58](#)
- accounts
 - creating [8-4](#)
 - creation process [8-2](#)
 - deleting [8-6](#)
 - local CLI [8-2](#)
 - roles-based [8-2](#)
 - types [8-1](#)
 - viewing [8-8](#)
- ACL
 - interception [5-28](#)
 - See also* IP ACL
- action
 - full optimization (adaptive cache) [13-56](#)
 - full optimization (bidirectional cache) [13-56](#)
 - full optimization (unidirectional cache) [13-56](#)
 - passthrough [13-56](#)
 - TFO only [13-56](#)
 - TFO with DRE (Adaptive Cache) [13-56](#)
 - TFO with DRE (Bidirectional Cache) [13-56](#)
 - TFO with DRE (Unidirectional Cache) [13-56](#)
 - TFO with LZ compression [13-56](#)
 - types [13-56](#)
- activating devices [16-34](#)
- adaptive buffering, TFO [13-65](#)
- adding
 - charts [17-13](#)
- administrative login authentication and authorization
 - default [7-4](#)
 - for WAEs [7-2](#)
 - local database description [7-6](#)
 - overview of [7-1](#)
 - RADIUS overview [7-12](#)
 - TACACS+ overview [7-14](#)
 - Windows domain overview [7-16](#)
- administrative login authentication failover [7-27](#)
- alarm overload detection, enabling [10-23](#)
- alarm panel
 - system dashboard window [17-3](#)
- alarms
 - device reporting [17-4](#)
- alerts [17-5](#)
- application acceleration
 - about [1-7, 13-1](#)
 - enabling [13-3](#)
- application classifiers
 - creating [13-53](#)
 - match condition [13-55](#)
 - restoring [13-60](#)

- application definition
 - creating [13-52](#)
 - application list, viewing [13-58](#)
 - application policy
 - creating [13-53](#)
 - creation process [13-51](#)
 - position [13-61](#)
 - preparation tasks [13-51](#)
 - restoring defaults [13-60](#)
 - applications
 - monitoring [13-60, 17-2](#)
 - AppNav
 - adding and removing devices [4-30](#)
 - AppNav Cluster [4-2](#)
 - AppNav Controller [4-2](#)
 - AppNav Controller Group [4-2](#)
 - appnav-controller interception [5-56](#)
 - AppNav Controller Interface Modules [4-3](#)
 - class maps [4-4](#)
 - cluster settings [4-26](#)
 - cluster wizard [4-14](#)
 - configuring [4-1, 4-10](#)
 - configuring class maps [4-19](#)
 - configuring policy rules [4-22](#)
 - connecting tracing [4-37](#)
 - controller settings [4-28](#)
 - deployment models [4-3](#)
 - interface wizard [4-17](#)
 - monitoring cluster [4-34](#)
 - policies [4-5](#)
 - policy [4-4](#)
 - service context [4-2](#)
 - WAAS Node [4-2](#)
 - WAAS Node Group [4-2](#)
 - WAAS node group settings [4-30](#)
 - WAAS node settings [4-29](#)
 - assigning
 - devices to a preposition directive [12-16](#)
 - devices to device groups [3-5](#)
 - devices to more than one device group [3-7](#)
 - audit trail logs
 - viewing [7-33, 17-56](#)
 - authentication
 - default feature values [7-4](#)
 - authentication databases, types of [7-2](#)
 - authentication servers
 - configuring [7-12, 7-14](#)
 - authorization
 - default feature values [7-4](#)
 - autodiscover [1-20](#)
 - autoregistration
 - DHCP server requirements [2-8](#)
-
- ## B
- backing up
 - configuration files [11-6](#)
 - WAAS Central Manager [16-9](#)
 - WAE devices [16-11](#)
 - backup and restore
 - cms database [16-9](#)
 - virtual blade [14-11](#)
 - banners
 - configuring [7-10](#)
 - BIC TCP [1-6](#)
 - BMC
 - enabling IPMI over LAN [10-26](#)
 - enabling IPMI SoL [10-27](#)
 - firmware update [10-25](#)
 - bootflags [16-21](#)
 - bridge group
 - assigning physical interface [6-20](#)
 - creating [6-18](#)
 - bridge virtual interface
 - creating [6-19](#)
 - browser support [2-10](#)

C
CDP

- configuring [6-26](#)

- cdp enable command [5-40](#)

- cdp run command [5-40](#)

- Central Manager. *See* WAAS Central Manager

charts

- adding [17-13](#)

- customizing [17-10](#)

- descriptions [17-14](#)

- settings [17-14](#)

CIFS [12-1](#)

- ports used [2-6](#)

- preparing for [12-7](#)

- using SMB accelerator for [12-19](#)

CIFS accelerator

- configuring [12-8](#)

- enabling [13-3](#)

- CifsAO WAE Device Manager option [11-13](#)

- CIFS configuration process [12-8](#)

Cisco.com

- obtaining software files from [16-3](#)

- Cisco Discovery Protocol. *See* CDP

- classifier, creating [13-53](#)

- classifier report, viewing [13-59](#)

- clear statistics all command [7-26](#)

- clear statistics authentication command [7-26](#)

- clear statistics windows-domain command [7-26](#)

CLI user

- creating [8-4](#)

clock

- setting [10-5](#)

- clustering in inline mode [5-53](#)

cms database

- backup and restore procedure [16-9](#)

- cms database backup command [16-9](#)

- cms database restore command [16-10](#)

coherency

- age-based validation [12-4](#)

- compression, about [1-6](#)

conditions

- modifying or deleting from IP ACLs [9-6](#)

- congestion windows, about [6-23](#)

connections

- viewing TCP connections [17-40](#)

- Connections Statistics report [17-40](#)

- connection tracing [4-37](#)

- controlled shutdown [16-35](#)

- copy disk ftp command [16-9](#)

- core WAE, about [1-9](#)

- corrupted system images

- recovering from [16-18](#)

creating

- accounts [8-4](#)

- application classifier [13-53](#)

- application definition [13-52](#)

- application policy [13-53](#)

- local user [8-4](#)

- match condition [13-55](#)

- new software file [16-3](#)

- preposition directive [12-11](#)

- preposition schedule [12-17](#)

- current software version

- determining [16-3](#)

D
dashboard

- customizing [17-10](#)

- device [17-8](#)

- system [17-1](#)

- database backup [16-9](#)

- data coherency, about [12-3](#)

- data concurrency, about [12-5](#)

- data migration [2-27](#)

- data redundancy elimination, about [1-6](#)

- debug command [17-59](#)

- default status, restoring [16-11](#)
- deleting
 - accounts [8-6](#)
 - device groups [3-6](#)
 - locations [3-11](#)
 - roles [8-13](#)
 - software files [16-8](#)
 - user groups [8-20](#)
- device
 - alarms [17-4](#)
 - autodiscovery [1-20](#)
 - clock setting [10-5](#)
 - rebooting [16-35](#)
- Device Dashboard window [17-8](#)
- device groups
 - about [3-1](#)
 - adding and removing devices [3-5](#)
 - configuring [3-4](#)
 - creating [3-3](#)
 - creation process [3-2](#)
 - deleting [3-6](#)
 - enabling overlap [3-7](#)
 - force group settings [3-7](#)
 - list [3-6](#)
 - overriding settings [3-7](#)
 - setting configuration precedence [3-8](#)
- Device Home window. See Device Dashboard window
- device locations
 - about [3-10](#)
 - creating [3-10](#)
 - deleting [3-11](#)
- device logs, viewing [17-57](#)
- device registration information
 - recovering [16-23](#)
- devices
 - activating [16-34](#)
 - adding to device groups [3-5](#)
 - adding to multiple device groups [3-7](#)
 - impact of assigning to multiple groups [3-9](#)
 - overriding device group settings [3-8](#)
 - restarting [16-35](#)
 - topology [17-40](#)
 - viewing group assignments [3-6](#)
 - viewing information for [17-6, 17-36, 17-40](#)
- Devices window [17-6](#)
- DHCP
 - configuring interfaces for [6-14](#)
 - for autoregistration [2-8](#)
 - interface-level [2-9](#)
- DHCP server
 - requirements for autoregistration [2-8](#)
- diagnostic tests [17-58](#)
- directed mode [6-28](#)
- disabling WCCP flow redirection [5-16](#)
- disk-based software, missing
 - recovering from [16-22](#)
- disk encryption [16-30](#)
- disk handling
 - configuring error-handling methods [16-32](#)
 - configuring extended object cache [16-33](#)
- disks
 - monitoring [17-42](#)
- Disks report [17-42](#)
- DNS, configuring [6-26](#)
- domains
 - about [8-14](#)
 - adding entities [8-15](#)
 - assigning to user accounts [8-15](#)
 - assigning to user groups [8-19](#)
 - creating [8-14](#)
 - deleting [8-16](#)
 - modifying and deleting [8-16](#)
 - viewing [8-17](#)
- downgrading [16-3](#)
- DRE, about [1-6](#)
- DRE settings
 - configuring [13-7](#)
- DSCP [13-57](#)

- global default [13-61](#)
- dynamic shares
 - creating for CIFS accelerator [12-9](#)
 - creating for SMB accelerator [12-19](#)

E

- edge WAE, about [1-9](#)
- egress methods
 - configuring [5-29](#)
- email server settings for reports [10-24](#)
- enable command [7-15](#)
- enabling
 - optimization and accelerators [13-3](#)
 - SNMP [18-13](#)
 - SNMP agent [18-12](#)
 - traffic statistic collection [13-52](#)
 - virtual blade [14-3](#)
 - WCCP flow redirection [5-16](#)
- encryption
 - disk [16-30](#)
 - enabling secure store [10-10](#)
- entities
 - adding to domains [8-15](#)
- EPM accelerator
 - enabling [13-3](#)
- errors
 - disk drives [16-32](#)
- EtherChannel
 - configuring [6-10](#)
- Exec timeout
 - configuring [7-10](#)
- explicit congestion notification
 - about [6-23](#)
- extended object cache [16-33](#)

F

- failover, for administrative login authentication [7-27](#)
- fast offline detection
 - about [10-23](#)
 - configuring [10-22](#)
- file locking, about [12-5](#)
- File Server Rename utility [11-13](#)
- file servers
 - supported [12-7](#)
- file services [12-8](#)
 - about [1-8](#)
 - features [1-9](#)
 - preparing for [12-7](#)
 - SMB configuration process [12-19](#)
- firewall, configuring for [6-28](#)
- flash memory
 - corrupted [16-18](#)
- flow monitoring
 - configuring [17-48](#)
- force group settings [3-7](#)
- full optimization (adaptive cache) action [13-56](#)
- full optimization (bidirectional cache) action [13-56](#)
- full optimization (unidirectional cache) action [13-56](#)

G

- generic GRE egress method [5-29](#)
- generic routing encapsulation. *See* GRE encapsulation
- Gigabit Ethernet interfaces
 - modifying [6-7](#)
- GRE encapsulation [5-14, 5-15](#)
- GRE packet forwarding [5-15](#)
- GRE tunnel, configuring on router [5-31](#)
- groups. *See* user groups

H

- hardware clock [10-5](#)

hardware devices supported [2-10](#)

high bandwidth WAN link [2-7](#)

HTTP accelerator

configuring [13-8](#)

enabling [13-3](#)

HTTPS settings [13-8](#)

ICA accelerator

configuring [13-28](#)

increased buffering [1-5](#)

inline mode [5-42](#)

configuring IP address [5-51](#)

interface settings [5-47](#)

serial clustering [5-53](#)

VLAN configuration [5-52](#)

VLAN ID check [5-46](#)

inline network adapter card [5-42](#)

installing system software [16-11](#)

intelligent message prediction [1-7](#)

interception

appnav-controller [5-56](#)

inline [5-42](#)

policy-based routing [5-33](#)

VPATH [5-55](#)

WCCP [5-11](#)

interception ACL [5-28](#)

interface

assigning to bridge group [6-20](#)

interface-level DHCP

description [2-9](#)

interface module inline mode [5-42](#)

interfaces

configuring [6-1](#)

configuring virtual [6-14](#)

manually configuring for DHCP [6-14](#)

WAAS Express optimization [6-16](#)

IP access control lists. *See* IP ACL

IP ACL

adding conditions to [9-3](#)

applying to interface [9-6](#)

associating with application [9-6](#)

conditions, modifying or deleting [9-6](#)

configuration constraints [9-2](#)

creating new [9-3](#)

deleting [9-7](#)

on routers [2-25](#)

on WAEs [2-25](#)

overview [9-1](#)

IP addresses

multiple, configuring on single interface [6-6](#)

static [2-9](#)

IPMI over LAN

about [10-25](#)

enabling [10-26](#)

enabling SoL [10-27](#)

IP routes

configuring [6-25](#)

ip wccp command [5-10](#)

ip wccp redirect-list command [5-9](#)

ip web-cache redirect command [5-10](#)

K

kernel debugger

enabling [17-57](#)

L

Layer 2 redirection [5-16](#)

LDAP server signing

configuring on a Microsoft server [7-24](#)

configuring on a WAE [7-24](#)

disabling on a WAE [7-26](#)

overview of [7-23](#)

licenses [10-3](#)

- line console carrier detection
 - configuring [7-11](#)
 - load balancing [1-23, 5-12, 6-13](#)
 - local CLI accounts, about [8-2](#)
 - local user, creating [8-4](#)
 - locations
 - about [3-10](#)
 - creating [3-10](#)
 - deleting [3-11](#)
 - location tree
 - viewing [3-11](#)
 - logging
 - configuring system logging [17-50](#)
 - message priority levels [17-52](#)
 - transaction log format [B-1](#)
 - transaction logging [17-53](#)
 - viewing audit trail log [17-56](#)
 - viewing device logs [17-57](#)
 - viewing system messages [17-56](#)
 - login
 - WAE Device Manager [11-1](#)
 - login access
 - controlling [7-7](#)
 - login authentication
 - about [2-25, 7-1](#)
 - logs
 - severity levels in the WAE Device Manager [11-22](#)
 - viewing in the WAE Device Manager [11-21](#)
 - lost administrator passwords
 - recovering [16-21](#)
 - LZ compression, about [1-6](#)
-
- M**
- management IP address [10-2](#)
 - MAPI accelerator
 - configuring [13-11](#)
 - enabling [13-3](#)
 - match condition, creating [13-55](#)
 - maximum segment size [13-64](#)
 - message logs
 - viewing [17-56](#)
 - message of the day settings
 - configuring [7-10](#)
 - MIBs
 - supported [18-4](#)
 - MIB traps
 - configuring using the WAE Device Manager [11-8](#)
 - migration, data [2-27](#)
 - missing disk-based software
 - recovering from [16-22](#)
 - monitoring
 - applications [13-60, 17-2](#)
 - chart descriptions [17-14](#)
 - chart settings [17-14](#)
 - creating custom reports [17-44](#)
 - disk information [17-42](#)
 - flows with NetQoS [17-48](#)
 - predefined reports [17-35](#)
 - resource utilization [17-42](#)
 - system status [17-5](#)
 - using the WAE Device Manager [11-17](#)
 - with SNMP [18-1](#)
 - multiple IP addresses
 - configuring on single interfaces [6-6](#)
-
- N**
- NAM [15-1](#)
 - NAS appliances [1-21](#)
 - NAT address [10-2](#)
 - NAT configuration [10-2](#)
 - NetBIOS [10-2](#)
 - NetQoS monitoring [17-48](#)
 - network
 - viewing information for [17-1](#)
 - Network Analysis Module integration [15-1](#)
 - Network Time Protocol. *See* NTP

network traffic analyzer tool [17-59](#)

NFS accelerator

enabling [13-3](#)

notification settings

for alerts [11-9](#)

for reports [10-24](#)

NTP, configuring [10-5](#)

O

obtaining software files [16-3](#)

operation prediction and batching [1-7](#)

optimization

configuring on WAAS Express interfaces [6-16](#)

enabling global features [13-3](#)

P

packet forwarding method [5-14](#)

Layer 2 redirection [5-16](#)

Layer 3 GRE [5-15](#)

packet return [5-15](#)

passthrough action [13-56](#)

passwords

changing account [8-6, 8-7](#)

recovering administrator [16-21](#)

PBR, about [1-22](#)

policy-based routing

about [1-22](#)

configuration of interception [5-33](#)

overview of [2-20](#)

verifying next-hop availability [5-39](#)

policy report, viewing [13-59](#)

port channel interfaces

assigning physical interfaces [6-12](#)

configuring [6-10](#)

load balancing [6-13](#)

ports

139 [2-6](#)

bypassing [2-7](#)

445 [2-6](#)

used in CIFS [2-6](#)

position, application policy [13-61](#)

power failure [16-18](#)

preposition

about [12-5](#)

checking status of [12-18](#)

creating directive [12-11](#)

scheduling [12-17](#)

viewing in the WAE Device Manager [11-14](#)

print accelerator [1-9](#)

print services

about [1-9](#)

priority levels [17-52](#)

R

RADIUS

authentication overview [7-12](#)

configuring server [7-12](#)

database [7-2](#)

default configuration [7-4](#)

RAID [1-23](#)

RCP services, enabling [10-4](#)

rebooting devices [16-35](#)

receive buffer size [13-64](#)

recovering

device registration information [16-23](#)

from missing disk-based software [16-22](#)

lost administrator passwords [16-21](#)

system software [16-18](#)

redirection methods [5-1](#)

registering

WAAS Express device [10-28](#)

WAEs in the WAE Device Manager [11-6](#)

reinstalling system software [16-11](#)

remote login

- controlling access 7-7
 - reports
 - configuring email server settings 10-24
 - Connections Statistics 17-40
 - creating custom 17-44
 - customizing 17-10
 - editing 17-45
 - managing 17-43
 - predefined 17-35
 - resource utilization 17-42
 - scheduling 17-46
 - Topology 17-40
 - viewing custom 17-45
 - request redirection methods 5-1
 - rescue system image 16-18
 - resource utilization report 17-42
 - restarting devices 16-35
 - restoring
 - application classifiers 13-60
 - application policies 13-60
 - configuration files 11-7
 - WAAS Central Manager 16-9
 - WAE devices 16-11
 - WAE to default condition 16-11
 - retransmit time multiplier
 - about 6-24
 - roles
 - about 8-9
 - assigning to user accounts 8-12
 - assigning to user groups 8-18
 - creating and managing 8-10
 - deleting 8-13
 - modifying and deleting 8-13
 - read-only access to services 8-10
 - viewing 8-13
 - viewing settings 8-13
 - roles-based accounts
 - about 8-2, 8-3
 - router
 - configuring WCCP transparent redirection on 5-6
-
- ## S
- SACK, about 1-5
 - scheduling
 - preposition 12-17
 - reports 17-46
 - secure shell
 - configuring 7-7
 - host keys 7-8
 - secure store
 - changing key and password 10-15
 - configuring 10-10
 - disabling 10-17
 - enabling on Central Manager 10-12
 - enabling on standby Central Manager 10-13
 - enabling on WAE 10-13
 - security
 - disk encryption 16-30
 - enabling secure store 10-10
 - selective acknowledgement 1-5
 - send buffer size 13-64
 - send TCP keepalive 13-63
 - serial clustering in inline mode 5-53
 - service context, AppNav 4-2
 - service password
 - configuring 5-10
 - set ip next-hop verify-availability command 5-41
 - shadow copy for shared folders 12-6
 - show cdp neighbors command 5-40
 - show command utility
 - for troubleshooting 17-60
 - show version command 16-20
 - shutting down WCCP 5-26
 - Simple Network Management Protocol. *See* SNMP
 - site and network planning 2-4
 - SMB accelerator
 - configuring 12-19

- SNMP 1-24
 - asset tag setting 18-24
 - community settings 18-19
 - configuration process 18-12
 - configuring using the WAE Device Manager 11-8
 - contact settings 18-24
 - defining custom traps 18-16
 - enabling 18-13
 - enabling SNMP agent 18-12
 - enabling traps 18-14
 - group settings 18-21
 - host settings 18-18
 - manager
 - creating 18-3
 - monitoring with 18-1
 - preparation 18-13
 - security models and security levels 18-4
 - supported MIBs 18-4
 - trap source settings 18-24
 - user settings 18-22
 - versions supported 18-3
 - view settings 18-20
 - software
 - recovering 16-18
 - software clock 10-5
 - software files
 - obtaining from Cisco.com 16-3
 - software licenses 10-3
 - software recovery 16-11
 - software upgrades 16-3
 - for multiple devices 16-7
 - process 16-1
 - software version
 - determining 16-3
 - SSL
 - configuring 13-30
 - standby Central Manager
 - switching to primary 16-28
 - standby groups
 - of interfaces 6-3
 - standby interfaces
 - assigning physical interfaces 6-6
 - configuring 6-3
 - primary interface 6-6
 - starting WAE components 11-5
 - static IP addresses 2-9
 - static IP routes
 - configuring 6-25
 - statistics, collecting 13-52
 - stopping WAE components 11-5
 - system configuration settings 10-17
 - system dashboard
 - viewing system-wide information 17-1
 - system event logging
 - configuring 17-50
 - message priority levels 17-52
 - viewing log 17-56
 - system image
 - recovering 16-18
 - system message log
 - using 17-50
 - viewing 17-56
 - system software
 - recovering 16-18
 - system status
 - monitoring 17-5
-
- T
- TACACS+
 - authentication and authorization, overview of 7-14
 - database 7-2
 - default configuration 7-4
 - enable password attribute 7-15
 - TACACS+ server
 - configuring 7-14
 - taskbar icons 1-16
 - TCP

- congestion windows [6-23](#)
 - explicit congestion notification [6-23](#)
 - parameter settings [6-22](#)
 - retransmit timer [6-24](#)
 - slow start [6-24](#)
 - viewing connections [17-40](#)
 - tcpdump command [17-59](#)
 - TCP initial window size, about [1-5](#)
 - TCP promiscuous mode service
 - overview of [2-24](#)
 - Telnet services
 - enabling [7-9](#)
 - Ten Gigabit Ethernet interfaces
 - modifying [6-7](#)
 - test command for troubleshooting [17-59](#)
 - tethereal command [17-59](#)
 - TFO
 - about [1-4](#)
 - TFO adaptive buffering [13-65](#)
 - TFO and LZ compression action [13-56](#)
 - TFO features [1-4](#)
 - BIC TCP [1-6](#)
 - compression [1-6](#)
 - increased buffering [1-5](#)
 - selective acknowledgement [1-5](#)
 - TCP initial window size maximization [1-5](#)
 - Windows scaling [1-5](#)
 - TFO only action [13-56](#)
 - TFO with DRE (Adaptive Cache) action [13-56](#)
 - TFO with DRE (Bidirectional Cache) action [13-56](#)
 - TFO with DRE (Unidirectional Cache) action [13-56](#)
 - time zones
 - location abbreviations [10-7](#)
 - parameter settings for [10-5](#)
 - Topology report [17-40](#)
 - traceroute [17-60](#)
 - track command [5-41](#)
 - traffic statistics collection, enabling [13-52](#)
 - traffic statistics report [17-2](#)
 - chart descriptions [17-14](#)
 - transaction logging [17-53](#)
 - configuring [17-53](#)
 - log format [B-1](#)
 - transparent redirection, configuring on a router [5-6](#)
 - traps
 - defining SNMP [18-16](#)
 - enabling [18-14](#)
 - triggers
 - defining SNMP [18-16](#)
 - troubleshooting
 - CLI commands [17-59](#)
 - using show command utility [17-60](#)
 - with Central Manager diagnostic tests [17-58](#)
 - with TCPdump [17-59](#)
 - with Tethereal [17-59](#)
 - with WAAS TCP Traceroute [17-60](#)
 - Troubleshooting Devices window [17-5](#)
-
- ## U
- Unicode support [2-10](#)
 - upgrading
 - device groups [16-7](#)
 - process [16-1](#)
 - WAAS Central Manager device [16-5](#)
 - user accounts
 - adding domain entities [8-15](#)
 - assigning to domains [8-15](#)
 - audit trail logs
 - viewing [7-33, 17-56](#)
 - changing passwords [8-6, 8-7](#)
 - creating [8-4](#)
 - creation process [8-2](#)
 - deleting [8-6](#)
 - deleting domains [8-16](#)
 - domains [8-14](#)
 - managing [8-7](#)
 - modifying and deleting [8-6](#)

- roles
 - assigning to [8-12](#)
 - creating [8-10](#)
 - modifying and deleting [8-13](#)
 - viewing [8-13](#)
- viewing [8-8](#)
- viewing domains [8-17](#)

user authentication. *See* login authentication

user groups

- about [8-17](#)
- assigning roles to [8-18](#)
- assigning to domains [8-19](#)
- creating [8-18](#)
- deleting [8-20](#)
- viewing [8-20](#)

UTC offsets [10-8](#)

See also GMT offsets

V

version of software [16-3](#)

video accelerator

- configuring [13-23](#)
- enabling [13-3](#)

viewing

- application list [13-58](#)
- classifier report [13-59](#)
- logs in the WAE device manager [11-21](#)
- policy report [13-59](#)
- role settings [8-13](#)

virtual blade

- backing up and restoring [14-11](#)
- configuring [14-1, 14-4](#)
- copying disk image to [14-10](#)
- enabling [14-3](#)
- starting and stopping [14-8](#)

virtual interfaces

- modifying [6-14](#)

virtualization. *See* virtual blade

- VLAN ID check [5-46](#)
- VLAN support [5-44](#)
- VPATH interception [5-55](#)
- vWAAS
 - virtual interface configuration [6-14](#)
 - VPATH interception [5-55](#)

W

WAAS

- benefits [1-20](#)
- interfaces [1-10](#)

WAAS Central Manager

- backing up [16-9](#)
- restoring [16-9](#)
- upgrading [16-5](#)

WAAS Central Manager GUI

- about [1-10](#)
- accessing [1-11](#)
- components [1-12](#)
- taskbar icons [1-16](#)

WAAS CLI, about [1-19](#)

WAAS Express

- configuring a device certificate [10-33](#)
- configuring an NTP server [10-34](#)
- configuring a user [10-30](#)
- configuring optimization on interfaces [6-16](#)
- enabling HTTP secure server [10-33](#)
- importing Central Manager certificate [10-32](#)
- installing a license [10-34](#)
- registering with the Central Manager [10-34](#)
- registration process overview [10-28](#)
- reimporting a certificate to the Central Manager [10-35](#)

WAAS interfaces

- CLI [1-19](#)
- WAAS Central Manager GUI [1-10](#)
- WAE Device Manager GUI [1-18](#)

WAAS networks

- and IOP interoperability [2-11](#)
 - network planning for [2-1](#)
 - traffic redirection methods [2-18](#)
- WAAS services, about [1-4](#)
- WAAS TCP Traceroute [17-60](#)
- WAE Device Manager
 - about [1-18, 11-1](#)
 - Configuration option [11-8](#)
 - Control option for the WAE [11-4](#)
 - logging out [11-3](#)
 - Notifier tab [11-9](#)
 - quick tour [11-2](#)
 - Utilities option [11-11](#)
 - workflow [11-3](#)
- WAE devices
 - backing up [16-11](#)
 - controlled shutdown [16-35](#)
 - modifying configuration properties [10-1](#)
 - restoring [16-11](#)
 - supported [2-10](#)
- WAE packet return [5-15](#)
- WAFS. *See* CIFS
- WAFS Cache Cleanup utility [11-12](#)
- WAVE devices supported [2-10](#)
- WCCP
 - about [1-22, 5-3, 5-11](#)
 - Cisco Express Forwarding (CEF) [5-15](#)
 - configuring interception on SCs [5-22](#)
 - configuring interception on WAEs [5-17](#)
 - flow redirection, enabling and disabling [5-16](#)
 - GRE packet return [5-29](#)
 - ports used [2-6](#)
 - shutting down [5-26](#)
- WCCP-based routing
 - advanced configuration for a router [5-6](#)
 - advantages and disadvantages [2-20](#)
 - configuration guidelines [5-4](#)
- web application filter
 - configuring [10-20](#)
- web browser support [2-10](#)
- Windows Authentication
 - configuring in the Central Manager [7-16](#)
- Windows domain server settings [7-17](#)
- Windows name services [6-27](#)
- Windows print accelerator, about [1-9](#)
- Windows scaling, about [1-5](#)

