



INDEX

Numerics

500 error message [A-2](#)

A

ACS

troubleshooting 500 error message [A-2](#)

adding

device groups (see under device groups, managing) [11-9](#)

devices [2-8](#)

e-mail targets for global [12-4](#)

SNMP traps for notifications [12-5](#)

Syslog targets for notifications [12-5](#)

administering Performance Monitor [12-1](#)

default page, selecting [12-12](#)

event thresholds, working with [12-7](#)

logs, working with [12-10](#)

notifications, working with [12-1](#)

notification settings, configuring [12-3](#)

system parameters, working with [12-9](#)

aggregated data, settings for deleting [12-9](#)

approver user role [3-3](#)

authentication, user [3-2](#)

authorization, user [3-2](#)

B

bandwidth

consumption graphs [4-5](#)

utilization graphs [5-6](#)

C

categories

events [3-11](#)

reports [10-1](#)

Cisco Catalyst 6500 Series switches

low performance in SSL modules [9-2](#)

Cisco Security Management Suite server, logging into or exiting [3-1](#)

CiscoWorks Common Services [1-1](#)

logging into or exiting [3-1](#)

roles, user [3-2](#)

cluster RAS data, isolating and viewing [5-2](#)

cluster RAS device data, isolating and viewing

details for a device, viewing [5-4](#)

device crypto accelerator card data, viewing [5-10](#)

device crypto activity, monitoring [5-8](#)

device failures, monitoring [5-7](#)

interface status for a single device [5-10](#)

usage and activity, monitoring [5-6](#)

cluster RAS users, working with [5-11](#)

identifying top 10 users

of a device [5-13](#)

of a RAS cluster [5-14](#)

community strings

adding devices [2-8](#)

concepts

content switching [8-1](#)

critical problems [1-3](#)

dashboard [1-3](#)

event browser [1-3](#)

events [1-3](#)

firewall services [7-1](#)

- graphs and tables [1-4](#)
- remote access VPN services [5-1](#)
- site-to-site VPN [6-1](#)
- SSL services [9-1](#)
- user roles and permissions
 - approver [3-3](#)
 - developer [3-3](#)
 - export data [3-3](#)
 - help desk [3-3](#)
 - network administrator (capacity planner) [3-2](#)
 - network operator [3-3](#)
 - system administrator [3-2](#)
- connection failure graphs
 - top three remote access devices [4-4](#)
 - top three site-to-site devices [4-4](#)
- connection graphs, top three firewall devices [4-5](#)
- console (see dashboard) [1-3](#)
- content-switching services, monitoring [8-1](#)
 - collective modules [8-2](#)
 - activity statistics, displaying [8-2](#)
 - CSM usage, displaying [8-2](#)
 - load balancing failure statistics, displaying [8-3](#)
 - server and policy reject statistics, displaying [8-4](#)
- concepts in [8-1](#)
- CSM Services summary, working in [4-6](#)
- individual modules [8-5](#)
 - interfaces table, displaying [8-8](#)
 - module detail graphs, displaying and interpreting [8-5](#)
 - real servers table, displaying [8-7](#)
 - virtual servers table, displaying [8-6](#)
- service modules, purpose of [8-2](#)
- CPU usage graphs
 - firewall devices [7-3](#)
 - site-to-site devices [6-7](#)
- Critical Problems summary, working in [4-2](#)
- CSV file format [2-9](#)

D

- dashboard, working with [1-3](#)
- default startup page, selecting [12-12](#)
- deleting
 - aggregated data [12-9](#)
 - device groups [11-12](#)
 - devices [11-8](#)
 - targets for notification [12-5](#)
- developer user role [3-3](#)
- device groups, managing [11-9](#)
 - deleting [11-12](#)
 - editing [11-11](#)
 - naming guidelines for [11-10](#)
 - user-defined, creating [11-9](#)
- devices
 - about [11-1](#)
 - adding [2-8](#)
 - attributes, displaying [11-2](#)
 - CSV file format [2-9](#)
 - device monitoring, enabling or disabling [11-6](#)
 - importing [2-8](#)
 - managing [11-2](#)
 - deleting [11-8](#)
 - editing [11-3](#)
 - maximum number you can monitor [1-1](#)
 - validating [2-11](#)
 - historical validation tasks, viewing [2-13](#)
 - scheduling device validations [2-12](#)
- disabling TrapForwarder [A-3](#)
- displaying
 - current network condition of
 - CSM load balancing services [4-6](#)
 - firewall services [4-5](#)
 - SSL load balancing services [4-7](#)
 - VPN services [4-3](#)
 - known critical problems in network [4-2](#)
- dropped packet graphs for site-to-site devices [6-7](#)

E

editing

device groups [11-11](#)devices [11-3](#)

e-mail

jobs, and reporting [10-11](#)targets, adding for notifications [12-4](#)

event

categories [3-11](#)thresholds, working with [12-7](#)export data user role [3-3](#)**F**faults.log, description [12-11](#)FCAPS, and Performance Monitor [1-4](#)

features of Performance Monitor

event management [1-3](#)historical reports [1-2](#)real-time monitoring [1-2](#)summary views [1-2](#)system parameter settings [1-3](#)firewall services, monitoring [7-1](#)concepts in [7-1](#)detail [7-2](#)connection statistics, displaying [7-5](#)current interface state, displaying [7-4](#)current state of blocks on firewall devices,
displaying [7-5](#)summary graphs, interpreting [7-3](#)high-level overview, displaying [7-1](#)

tables and pages useful in

Firewall Device Blocks Details table [7-5](#)Firewall Device Connections table [7-5](#)Firewall Device Interface Status table [7-4](#)Firewall Devices table [7-1](#)Firewall Services summary [4-5](#)summary graphs [7-3](#)frequently asked questions [A-1](#)**G**getting started [3-1](#)Event Browsers [3-12](#)Object Selector, using [3-10](#)routers and switches, setting up [2-2](#)sequence of operations [3-17](#)tables [3-6](#)actions on tables [3-8](#)check boxes [3-8](#)common elements in [3-8](#)multipage tables [3-7](#)optional tasks in [3-9](#)rows and columns [3-6](#)user interface [3-3](#)icons and symbols [3-5](#)understanding [3-4](#)wizards, using [3-10](#)**H**help desk user role [3-3](#)**I**importing devices [2-8](#)Importing Devices wizard [2-8](#)inbound connection failure graphs for site-to-site
devices [6-7](#)

installation troubleshooting

error messages, understanding [A-1](#)process status, changing [A-3](#)TrapForwarder, disabling [A-3](#)

interface error graphs

firewall devices [7-3](#)top three errors [4-5](#)

J

job.log, description [12-11](#)

L

log files

descriptions [12-11](#)

working with [12-10](#)

M

MCP process maintenance [3-16](#)

mcpui.log, description [12-11](#)

memory usage graphs

firewall devices [7-3](#)

site-to-site devices [6-7](#)

monitoring features, matrix of [1-5](#)

N

naming guidelines for device groups [11-10](#)

network administrator (capacity planner) user role [3-2](#)

network operator user role [3-3](#)

notifications

settings for, configuring [12-3](#)

SNMP traps supported [12-2](#)

syslog messages supported [12-2](#)

working with [12-1](#)

O

outbound connection failure graphs for site-to-site devices [6-7](#)

overview [1-1](#)

basic concepts

critical problems [1-3](#)

dashboard [1-3](#)

event browser [1-3](#)

events [1-3](#)

graphs and tables [1-4](#)

FCAPS, and Performance Monitor [1-4](#)

getting started (see getting started) [3-1](#)

MCP process maintenance [3-16](#)

monitoring features, matrix of [1-5](#)

Performance Monitor [1-1](#)

SNMP traps, receiving [2-15](#)

P

packet drop

remote access devices graph [5-6](#)

site-to-site devices graph [6-7](#)

Performance Monitor

logging into or exiting [3-1](#)

overview [1-1](#)

user authentication and authorization [3-2](#)

verifying processes [A-2](#)

permissions [3-2](#)

polling.log, description [12-11](#)

polling timeout, configuring [2-16](#)

processes, verifying [A-2](#)

R

RAS cluster device data, isolating and viewing

detail [5-4](#)

device crypto accelerator card data, viewing [5-10](#)

device crypto activity, monitoring [5-8](#)

device failures, monitoring [5-7](#)

usage and activity, monitoring [5-6](#)

tables and pages useful in

RAS Clusters table [5-2](#)

RAS device data, isolating and viewing

status display, tabular format [5-10](#)

tables and pages useful in [5-10](#)

read community strings

- adding devices [2-8](#)
- remote access VPN services, monitoring [5-1](#)
 - cluster users, working with [5-11](#)
 - details, displaying [5-12](#)
 - top 10 users of a cluster, identifying [5-14](#)
 - top 10 users of a device, identifying [5-13](#)
- RAS cluster device data, isolating and viewing [5-6](#)
 - detail [5-4](#)
 - remote access clusters, displaying [5-2](#)
- RAS cluster device details, working with [5-4](#)
 - device crypto accelerator card data, displaying [5-10](#)
 - device crypto activity, monitoring [5-8](#)
 - device failures, monitoring [5-7](#)
 - interface status data for a device, displaying [5-10](#)
 - summary graphs, interpreting [5-4](#)
 - viewing [5-4](#)
- reports (see trend reports) [10-1](#)
- roles [3-2](#)
- routers and switches, setting up [2-2](#)

S

- scalability [1-1](#)
- site-to-site devices, dropped packet graph for [6-7](#)
- site-to-site VPN services, monitoring
 - concepts in [6-1](#)
 - details [6-6](#)
 - device interfaces, displaying [6-8](#)
 - summary graphs, interpreting [6-6](#)
- devices [6-3](#)
 - crypto activity, monitoring [6-5](#)
 - detail, viewing [6-6](#)
 - device failures, monitoring [6-4](#)
 - device usage and activity, monitoring [6-3](#)
 - displaying all [6-3](#)
- tunnels [6-9](#)
 - locating [6-10](#)
 - top 10, displaying [6-9](#)

- SNMP (Simple Network Management Protocol)
 - traps, receiving [2-15](#)
 - traps supported for notifications [12-2](#)
 - trap target, adding notifications [12-5](#)
- SSL services, monitoring [9-1](#)
 - all modules collectively [9-2](#)
 - activity statistics, displaying [9-2](#)
 - SSL statistics, working with [9-3](#)
 - SSL usage, displaying [9-2](#)
 - TCP connection statistics, working with [9-4](#)
 - concepts in [9-1](#)
 - individual modules [9-5](#)
 - module detail graphs, displaying and interpreting [9-5](#)
 - proxy errors, working with [9-7](#)
 - proxy statistics [9-6](#)
 - modules
 - low performance in, troubleshooting [9-2](#)
 - purpose of [9-1](#)
 - SSL Services summary, working in [4-7](#)
 - tables and pages useful in [4-7](#)
- summaries, using [4-1](#)
 - Critical Problems summary [4-2](#)
 - CSM Services summary [4-6](#)
 - Firewall Services summary [4-5](#)
 - options (table) [4-1](#)
 - Critical Problems [4-1](#)
 - Event Browser [4-1](#)
 - Firewall [4-1](#)
 - Load Balancing [4-1](#)
 - SSL [4-1](#)
 - VPN [4-1](#)
 - SSL Services summary [4-7](#)
 - VPN Services summary [4-3](#)
- syslog messages supported for notifications [12-2](#)
- Syslog target, adding for notifications [12-5](#)
- system administrator user role [3-2](#)
- system parameters, working with [12-9](#)

T

throughput graphs

- for remote access devices, displaying [5-6](#)
- throughput versus connection graphs for firewall devices [7-3](#)
- throughput versus tunnels graphs for site-to-site devices [6-7](#)
- top three

- in RAS VPNs [4-4](#)
- in site-to-site VPNs [4-4](#)

timeout, configuring polling [2-16](#)TrapForwarder, disabling [A-3](#)trend reports, using [10-1](#)

- categories [10-1](#)
- configuring reports [10-6](#)
- e-mail jobs, working with [10-11](#)
- historical reports, understanding [10-8](#)
- RAS VPN user session reports, viewing [10-8](#)
- reporting options, understanding [10-1](#)
 - failure report subcategories [10-2](#)
 - generating reports [10-6](#)
 - performance report subcategories [10-3](#)
 - throughput report subcategories [10-4](#)
 - usage report subcategories [10-5](#)
- top 10 site-to-site VPN tunnel reports, viewing [10-10](#)
- top 10 user reports, viewing [10-8](#)

troubleshooting

- 500 error message [A-2](#)
- cannot open Performance Monitor in browser [A-1](#)
- frequently asked questions [A-1](#)
- installation error messages, understanding [A-1](#)
- polling ceases for all devices [2-16](#)
- process status, changing [A-3](#)
- SSL modules, low performance in [9-2](#)
- SSL service module, cannot import using CSV file [A-4](#)
- TrapForwarder, disabling [A-3](#)
- verifying processes [A-2](#)

tunnels

locating [6-10](#)top 10, displaying [6-9](#)tunnel count graphs, top three site-to-site devices [4-4](#)working with [6-9](#)**U**

user

roles and permissions [3-2](#)

- approver [3-3](#)
- developer [3-3](#)
- export data [3-3](#)
- help desk [3-3](#)
- network administrator (capacity planner) [3-2](#)
- network operator [3-3](#)
- system administrator [3-2](#)

session count graphs, top three remote access devices [4-4](#)supported simultaneously [1-1](#)**V**validation.log, description [12-11](#)VPN restrictions [1-1](#)

VPN services, monitoring

- remote access [5-1](#)
 - cluster device details, displaying [5-4](#)
 - cluster users, monitoring [5-11](#)
 - concentrators providing services, displaying all [5-6](#)
 - concepts in [5-1](#)
 - remote access clusters, displaying [5-2](#)

service status, displaying [4-3](#)site-to-site [6-1](#)

- concepts in [6-1](#)
- device details, displaying [6-6](#)
- devices, displaying all [6-3](#)
- device status, displaying [6-3](#)
- tunnels, working with [6-9](#)