



INDEX

A

access

- privileges for NetConfig jobs, assigning [10-4](#)
- Telnet and SSH, configuring [13-47](#)

Adhoc task, in NetConfig

- about [10-32](#)
- using [10-26](#)

alias devices, managing [3-44](#)

- about [3-44](#)
- resolving [3-45](#)

applications

- Audit Trail [16-1](#)
- Bug Toolkit [17-1](#)
- Change Audit [14-1](#)
- Config Editor [11-1](#)
- Configuration Management [8-1, 9-1](#)
- Contract Connection [19-1](#)
- Inventory [6-1](#)
- Job Approval [21-1](#)
- NetConfig [10-1](#)
- NetShow [12-1](#)
- SmartCase [18-1](#)
- Software Management [13-1](#)
- Syslog Analyzer and Collector [15-1](#)

task overviews (tables) [2-1](#)

- Bug Toolkit [1-17](#)
- Change Audit and Audit Trail [1-19](#)
- Config Editor [1-12](#)
- Configuration Management [1-10, 1-12](#)
- Device Management [1-8](#)
- Inventory [1-6](#)
- Job Management and Job Approval [1-15](#)

NetConfig [1-13](#)

Reports [1-16](#)

Software Management [1-14](#)

Syslog Analyzer and Collector [1-19](#)

what's new and RME task overviews (tables) [2-1](#)

Archive Management (part of Configuration Management) [8-1](#)

about [8-1](#)

archive purging [8-30](#)

archive searches [8-53](#)

archive status, checking [8-32](#)

configurations, modifying [8-5](#)

credentials, entering [8-4](#)

custom search queries

creating [8-54](#)

deleting [8-56](#)

editing [8-56](#)

running [8-55](#)

search report, displaying [8-57](#)

security, modifying [8-7](#)

Catalyst commands [8-8](#)

content engine commands [8-8](#)

content service switch commands [8-8](#)

IOS commands [8-7](#)

setting up [8-20](#)

directory, moving [7-10, 8-20](#)

shadow directory, enabling and disabling [8-21](#)

using [8-4](#)

Archiving netshow job output [12-15](#)

audience for this document [1-xxxix](#)

Audit Trail, using [16-1](#)

about [16-1](#)

standard report, generating [16-5](#)

Audit Trail application
 task overview (table) [1-19](#)

Authentication Proxy task in NetConfig [10-33](#)

authorizing a distribution job, in Software Management [13-56](#)

automated actions, defining
 in Change Audit [14-9](#)
 creating [14-10](#)
 deleting [14-14](#)
 editing [14-12](#)
 enabling, disabling [14-13](#)
 exporting, importing [14-13](#)

in Syslog Analysis [15-32](#)
 creating [15-33](#)
 deleting [15-38](#)
 editing [15-35](#)
 enabling, disabling [15-37](#)
 example of [15-38](#)
 exporting, importing [15-37](#)
 verifying [15-40](#)

B

backup.pl command, description [C-1](#)

backup policy, setting [15-20](#)

Banner task in NetConfig [10-35](#)

baseline configurations [8-75](#)
 Baseline Compliance report [9-23](#)
 Baseline Configs window [9-5](#)
 commands, deploying [9-24](#)
 compliance jobs, deleting [9-35](#)
 non-compliance report, running [9-32](#)

baseline configuration templates [9-8](#)
 (see also baseline configurations) [8-75](#)
 creating
 advanced [9-12](#)
 deleting [9-7](#)
 editing [9-6](#)
 exporting [9-7](#)

importing [9-20](#)

Bug Toolkit, using [17-1](#)
 Bug Summary report
 generating [17-1](#)
 understanding [17-4](#)

Cisco.com, logging into [17-3](#)

Locate Device report
 generating [17-6](#)
 understanding [17-9](#)

troubleshooting [A-103](#)

Bug Toolkit application
 task overview (table) [1-17](#)

C

CA (Certification Authority) task in NetConfig [10-37](#)

Cable BPI/BPI+ task in NetConfig [10-81](#)

Cable DHCP-GiAddr and Helper task in NetConfig [10-83](#)

Cable Downstream task in NetConfig [10-84](#)

Cable Interface Bundling task in NetConfig [10-90](#)

Cable Spectrum Management task in NetConfig [10-90](#)

Cable Trap Source task in NetConfig [10-92](#)

Cable Upstream task in NetConfig [10-86](#)

Catalyst devices
 1900/2820 device upgrade recommendations [13-95](#)
 configuring using Telnet [15-15](#)
 upgrade recommendations, understanding [13-94](#)

cautions
 significance of [1-xxxii](#)

cautions regarding
 changing Change Audit purge settings [14-4, 16-8](#)
 NetConfig's Adhoc task [10-32](#)
 NetConfig commands in a user-defined template [10-19](#)
 resetting purge policy in Syslog Analyzer [15-21](#)

CDP task in NetConfig [10-36](#)

CE (Content Engine) devices
 configuring using Telnet [15-16](#)

Change Audit, using [14-1](#)

- automated actions, defining [14-9](#)
 - Automated Action window details [14-9](#)
 - creating [14-10](#)
 - deleting [14-14](#)
 - editing [14-12](#)
 - enabling, disabling [14-13](#)
 - exporting, importing [14-13](#)
 - exception periods
 - creating [14-7](#)
 - defining [14-7](#)
 - deleting [14-9](#)
 - editing [14-8](#)
 - enabling and disabling [14-8](#)
 - maintenance tasks [14-3](#)
 - forced purges, performing [14-5, 16-9](#)
 - purge policy, setting [14-3, 16-7](#)
 - overview
 - Syslog, comparison with [14-1](#)
 - process
 - about [14-20](#)
 - stopping and starting [14-21](#)
 - report details [14-19](#)
 - reports [14-14](#)
 - Exception Period report [14-15](#)
 - standard report [14-16](#)
 - troubleshooting [A-101](#)
- Change Audit application
- task overview (table) [1-19](#)
- CIP microcode image types, and software image upgrades [13-55](#)
- Cisco.com
- adding images from [13-20](#)
 - Software Management tasks, and [13-5](#)
 - software repository, synchronizing with [13-32](#)
- Cisco IOS device upgrade recommendations [13-93](#)
- CiscoWorks Server, and Software Management [13-4](#)
- CLI utilities
- cwcli [20-1](#)
 - inventory CDA job commands
 - profiles and PTT [20-107](#)
 - PTT [20-106](#)
 - commands [20-109](#)
 - PTT features [20-107](#)
 - SWIMcli [20-112](#)
 - execute SWIM cli remotely [20-115](#)
 - running swim cli commands [20-112](#)
 - syslogConf [20-110](#)
 - syslogConf.pl utility [20-110](#)
 - CLI utilities(see cwcli config) [20-1](#)
 - command reference
 - (see also cwcli config, using) [20-1](#)
 - backup.pl [C-1](#)
 - command-line tool
 - see cwcli netconfig command [10-93](#)
 - dbpasswd.pl [C-1](#)
 - dbRestoreOrig.pl [C-1](#)
 - dig [C-2](#)
 - dmgtd [C-2](#)
 - pdexec [C-2](#)
 - pdmsg [C-2](#)
 - pdreg [C-3](#)
 - pdrun.pl [C-3](#)
 - pdshow [C-2](#)
 - pdterm [C-2](#)
 - RemoveJrmJobs.pl [C-3](#)
 - restorebackup.pl [C-3](#)
 - RME commands [C-1](#)
 - uninstall.sh [C-3](#)
 - Common Syslog Collector (see under Syslog Analyzer) [15-1](#)
 - config_DeployBaselinTempUI [9-24](#)
 - Config CLI, troubleshooting [A-105](#)
 - Config Editor
 - editor manager, working with
 - in processed mode [11-9](#)
 - Config Editor, using
 - benefits of [11-2](#)
 - changes in this release [11-7](#)

- configuration files
 - closing [11-18](#)
 - downloading [11-32](#)
 - editing [11-8](#)
 - exporting to HTML format [11-16](#)
 - opening [11-25](#)
 - removing [11-12](#)
 - saving [11-13](#)
 - configuration restore operation [11-31](#)
 - configuration tools [11-19](#)
 - to check syntax [11-22](#)
 - to compare versions [11-20](#)
 - to display changes [11-21](#)
 - device states, and [5-6](#)
 - downloading configuration files [11-32](#)
 - files, selecting [11-33](#)
 - job password policy [11-40](#)
 - job scheduling [11-34](#)
 - job status, viewing [11-40](#)
 - starting a job [11-32](#)
 - work orders, reviewing [11-40](#)
 - editor manager, working with [11-8](#)
 - Config Editor, using jobs, in [11-10](#)
 - credentials, modifying with [11-11](#)
 - processed mode [11-9](#)
 - open files, viewing list of [11-24](#)
 - opening a file [11-25](#)
 - by device and version [11-25](#)
 - from an external location [11-30](#)
 - viewing a list of open files [11-24](#)
 - preferences, setting up [11-7](#)
 - printing a file [11-15](#)
 - restore operation [11-31](#)
 - search and replace in configuration files [11-14](#)
 - tasks in [11-1](#)
 - undoing all edits [11-14](#)
- Config Editor application
- task overview (table) [1-12](#)
 - troubleshooting [A-31](#)
- configuration files
 - changes to
 - displaying [11-21](#)
 - closing [11-18](#)
 - currently open, viewing list of [11-24](#)
 - downloading [11-32](#)
 - files, selecting [11-33](#)
 - job password policy [11-40](#)
 - job scheduling [11-34](#)
 - job status, viewing [11-40](#)
 - starting a new job [11-32](#)
 - work orders, reviewing [11-40](#)
 - editing [11-8](#)
 - exporting to HTML format [11-16](#)
 - opening [11-25](#)
 - by baseline [11-28](#)
 - by device and version [11-25](#)
 - by pattern search [11-26](#)
 - external files [11-30](#)
 - printing [11-15](#)
 - removing [11-12](#)
 - saving [11-13](#)
 - syntax checking [11-22](#)
 - about [11-22](#)
 - external interface [11-22](#)
 - versions of, comparing [11-20](#)
 - Configuration Management, using [8-1, 9-1](#)
 - administrator tasks [8-4](#)
 - archival reports [8-33](#)
 - Failed Devices report [8-34](#)
 - Partially Successful Devices report [8-35](#)
 - Successful Devices report [8-34](#)
 - Archive Management (see Archive Management) [8-1](#)
 - Archive Management Job Browser [8-68](#)
 - deleting a job [8-73](#)
 - job details, viewing [8-74](#)
 - retrying a job [8-70](#)
 - stopping a job [8-72](#)
 - archive purging [8-30](#)

- archive searches with custom queries **8-53**
 - creating queries **8-54**
 - deleting queries **8-56**
 - editing queries **8-56**
 - running queries **8-55**
 - search report, displaying **8-57**
- archive status, checking **8-32**
- baseline configurations (see baseline configurations) **8-75**
- collection settings, defining **8-27**
- comparing configurations **8-61**
 - Config Diff Viewer **8-65**
 - running versus latest archived **8-62**
 - startup versus running **8-62**
 - two versions of different **8-64**
 - two versions of same **8-63**
- Config Editor option
 - functional flow (figure) **11-2**
 - tasks (table) **11-3**
- configuration version tree **8-41**
- Config Viewer **8-42**
- job policies, configuring **8-14**
 - defining default policies **8-14**
 - scenarios, job password configured **8-17**
- job scheduling
 - Sync Archive **8-35**
 - Sync on Device **8-39**
- labels, configuring **8-49**
 - creating **8-50**
 - deleting **8-53**
 - editing **8-51**
 - purging **8-53**
 - viewing **8-52**
- Quick Configuration Download feature
 - about **8-41**
 - using **8-47**
- reports
 - archive search report **8-57**
 - Configuration Version summary **8-44**
 - Device Configuration Quick View **8-59**
 - Out-of-Sync report **8-38**
 - Search Archive Result **8-58**
- transport protocols, configuring **8-9**
 - order, defining **8-13**
 - requirements for use **8-10**
 - troubleshooting **A-21**
- Configuration Management application
 - task overview (table) **1-10, 1-12**
- conflicting device types, working with **3-46**
 - deleting the conflicting type **3-48**
 - resolving the type conflict **3-47**
- Contract Connection
 - accessing and using **19-1**
 - reports
 - contract status detailed **19-2, 19-4**
 - device type summary **19-2**
 - generated, archiving and viewing **19-9**
 - scheduling jobs **19-6**
 - viewing job status **19-7**
 - working with **19-1**
- Creating netshow jobs **12-7**
- Crypto Map task in NetConfig **10-40**
- CSS (Content Service Switch) devices
 - configuring using Telnet **15-15**
- cli config, using **20-1**
 - batch processing **20-2, 20-7**
 - CLI framework **20-2, 20-7**
 - command parameters **20-11**
 - all commands **20-11**
 - compare command **20-11**
 - delete command **20-11**
 - core options and nmconfig equivalents **20-17**
 - examples of cli config and nmconfig equivalents **20-18**
 - getting started **20-7**
 - man page information **20-18**
 - arguments and options, about **20-19**
 - function-dependent options **20-20**

- function-independent options [20-20](#)
 - function-specific options [20-20](#)
 - input list file format [20-22](#)
 - mandatory arguments [20-19](#)
 - view option usage [20-23](#)
 - man page information for subcommands [20-23](#)
 - compare [20-24](#)
 - compareanddeploy [20-24](#)
 - comparewithbaseline [20-25](#)
 - delete [20-25](#)
 - deploybaseline [20-25](#)
 - export [20-26](#)
 - get [20-26](#)
 - import [20-27](#)
 - listlock [20-27](#)
 - put [20-27](#)
 - reload [20-28](#)
 - run2start [20-28](#)
 - start2run [20-28](#)
 - write2run [20-29](#)
 - write2start [20-29](#)
 - overview [20-2, 20-6](#)
 - running [20-10](#)
 - additional information [20-11](#)
 - on multiple devices [20-10](#)
 - syntax examples [20-14](#)
 - uses [20-7](#)
 - comparing configurations [20-9](#)
 - deleting configurations [20-9](#)
 - device and archive updates [20-8](#)
 - remote access [20-10](#)
 - cwcli netconfig command [10-93](#)
 - man page [10-93](#)
-
- ## D
- dbpasswd.pl command, description [C-1](#)
 - deleting
 - device groups [4-11](#)
 - devices
 - conflicting types [3-48](#)
 - normal [3-30](#)
 - pre-deployed [3-38](#)
 - suspended [3-34](#)
 - images from the software repository [13-33](#)
 - device groups, managing [4-1](#)
 - administering groups [4-16](#)
 - creating [4-3](#)
 - group properties, entering [4-3](#)
 - group rules, defining [4-5](#)
 - membership, assigning [4-7](#)
 - summary, displaying [4-8](#)
 - deleting [4-11](#)
 - details, viewing [4-9](#)
 - Device Management task overview (table) [1-8](#)
 - editing [4-8](#)
 - grouping rules, understanding [4-11](#)
 - membership
 - refreshing [4-10](#)
 - viewing [4-10](#)
 - RME Group Administration page [4-2](#)
 - devices
 - outside the NAT, managing [D-1](#)
 - syslog messages for, not getting [A-95](#)
 - devices, managing
 - adding
 - automatically [3-19](#)
 - manually [3-15](#)
 - alias devices [3-44](#)
 - about [3-44](#)
 - resolving [3-45](#)
 - attributes, editing [3-19](#)
 - bugs filed against, identifying (see Bug Toolkit application) [17-1](#)
 - configurations, verifying [10-3](#)
 - conflicting device types [3-46](#)
 - deleting the conflicting type [3-48](#)
 - resolving the type conflict [3-47](#)

- credentials, verifying [10-3](#)
- device credentials
 - viewing [3-48](#)
- device manageability status [3-73](#)
- Device Management task overview (table) [1-8](#)
- Device Selector [3-74](#)
 - device icons and types [3-84](#)
 - displaying available devices [3-81](#)
 - selecting a device [3-84](#)
- images from, adding to the software repository [13-23](#)
- normal devices, managing [3-27](#)
 - deleting [3-30](#)
 - exporting [3-28](#)
 - resubmitting [3-30](#)
 - suspending [3-29](#)
- pending devices, working with [3-32](#)
- pre-deployed devices, managing [3-35](#)
 - deleting [3-38](#)
 - exporting [3-36](#)
 - resubmitting [3-38](#)
 - suspending [3-37](#)
- prompts, verifying [10-3](#)
- states, viewing [3-26](#)
- suspending devices, managing [3-33](#)
 - deleting [3-34](#)
 - resubmitting [3-34](#)
- devices, working with [3-1](#)
- device security, modifying [10-3](#)
- Device Selector
 - device icons and types [3-84](#)
 - displaying available devices [3-81](#)
 - filtering usage example [3-80](#)
 - selecting a device [3-84](#)
- device selector [3-74](#)
- dig command, description [C-2](#)
- dmgtd command, description [C-2](#)
- DNS task in NetConfig [10-41](#)
- documentation [1-xxxii](#)
 - audience for this [1-xxxix](#)

- related to this product [1-xxxiii](#)
 - typographical conventions in [1-xxxix](#)
- downloading configuration files [11-32](#)
 - files, selecting [11-33](#)
 - job password policy [11-40](#)
 - job scheduling [11-34](#)
 - job status, viewing [11-40](#)
 - starting a job [11-32](#)
 - work orders, reviewing [11-40](#)

E

- editing device groups [4-8](#)
- editor manager (see under Config Editor) [11-8](#)
- eem
 - about EEM [25-1](#)
 - configure
 - embedded event manager [25-10](#)
 - environmental variables [25-6](#)
 - EEM action types [25-2](#)
 - EEM components [25-2](#)
 - EEM NetConfig tasks [25-3](#)
 - EEM environmental variable task [25-3](#)
 - embedded event manager task [25-4](#)
 - RME NetShow commands [25-15](#)
 - RME reports [25-13](#)
 - RME support for EEM [25-3](#)
 - use RME configure EEM [25-5](#)
- Enable [A-24, A-25](#)
- Enable Password task in NetConfig [10-42](#)
- exporting
 - automated actions in Syslog Analysis [14-13](#)
 - configuration files, to HTML format [11-16](#)
 - devices
 - normal [3-28](#)
 - pre-deployed [3-36](#)
 - message filters, in Syslog Analyzer [15-43](#)

F

files

- configuration (see configuration files) [11-8](#)
- Software Management, locating [13-105](#)

filters

- Inventory change report filters, setting [6-12](#)
- Inventory change report filters, setting, Collection or Polling schedule, changing [6-12](#)
- message filters in Syslog Analyzer, defining [15-40](#)
 - creating [15-41](#)
 - deleting [15-44](#)
 - editing [15-42](#)
 - enabling, disabling [15-43](#)
 - exporting, importing [15-43](#)

forced purges

- in Change Audit [14-5, 16-9](#)
- in Syslog Analyzer [15-22](#)

G

gold

- about GOLD [26-1](#)
- configure
 - GOLD tests [26-5](#)
- diagnostics
 - boot up [26-2](#)
 - runtime monitoring [26-2](#)
- GOLD test in RME [26-3](#)
- NetConfig tasks for GOLD [26-3](#)
 - GOLD boot level task [26-3](#)
 - GOLD monitoring test task [26-4](#)
- RME NetShow commands [26-15](#)
- RME reports [26-14](#)
- types of diagnostics [26-2](#)

HHow [A-22](#)

- HTML format, exporting a configuration file to [11-16](#)
- HTTP, configuring for software image upgrades [13-55](#)
- HTTP Server task in NetConfig [10-44](#)

IGMP Configuration task in NetConfig [10-48](#)IKE (Internet Key Exchange) Configuration task in NetConfig [10-51](#)

images

- adding to software repository [13-19](#)
 - from a file system [13-26](#)
 - from a URL [13-28](#)
 - from Cisco.com [13-20](#)
 - from devices [13-23](#)
 - from the network [13-29](#)
- attributes [13-35](#)
 - default attribute values, understanding [13-36](#)
 - editing and viewing [13-37](#)
 - finding missing attribute information [13-36](#)
 - understanding [13-35](#)
- deleting [13-33](#)
- distribution by [13-66](#)
- IOS images, and recommendation filters [13-11](#)
- searching for [13-34](#)

importing automated actions in Syslog Analysis [14-13](#)Interface IP Address Configuration task in NetConfig [10-50](#)Inventory [1-6](#)

- change report filters, setting [6-12](#)

Inventory, using [6-1](#)

- change report filters, setting [6-12](#)
- collection or polling schedule, changing [6-22](#)
- data, collecting and updating [6-2](#)
- graphs, generating [6-3](#)
- Inventory Job Browser [6-4](#)
 - collection jobs, creating and editing [6-9](#)
 - job details, viewing [6-8](#)
 - polling jobs, creating and editing [6-9](#)

- prerequisites [6-2](#)
- prerequisites for use [6-2](#)
- reports, generating [6-24](#)
 - 24 hour inventory change report [6-28](#)
 - chassis slot details [6-35](#)
 - chassis slot summary [6-35](#)
 - chassis summary graph [6-39](#)
 - detailed device report [6-32](#)
 - EOS, EOL report [6-39](#), [23-4](#)
 - Hardware report [6-29](#)
 - hardware summary graph [6-38](#)
 - multiservice port details [6-36](#)
 - Software report [6-32](#)
 - software version graph [6-39](#)
- reports, viewing [6-3](#)
- reports and graphs, viewing [6-3](#)
- report templates, working with [6-40](#)
 - creating [6-40](#)
 - deleting [6-47](#)
 - modifying [6-46](#)
 - running [6-48](#)
- task overview (table) [1-6](#)

Inventory Reports, troubleshooting [A-16](#)

IOS

- devices, configuring
 - using Telnet [15-14](#)
- images, and recommendation filters [13-11](#)

J

Job Approval

- task overview (table) [1-15](#)

Job Approval, using [21-1](#)

- approver details, specifying [21-2](#)

approver lists

- assigning [21-4](#)

- creating, editing [21-3](#)

- jobs, approving and rejecting [21-6](#)

- jobs, enabling [21-8](#)

- setting up [21-5](#)

- task workflow [21-2](#)

- troubleshooting [A-101](#)

Job Browser (see under Inventory) [6-4](#)

Job Browser and Collection Status [6-4](#)

L

Local Username task in NetConfig [10-45](#)

Login [A-23](#), [A-24](#)

M

managing devices

- RME within NAT boundary [D-1](#)

Masking credentials of show commands [12-7](#)

message filters, in Syslog Analysis [15-40](#)

- creating [15-41](#)

- deleting [15-44](#)

- editing [15-42](#)

- enabling, disabling [15-43](#)

- exporting, importing [15-43](#)

MICA portware image types, and software image upgrades [13-55](#)

microcode and modem firmware requirements for software image upgrades [13-55](#)

Microcom firmware image types, and software image upgrades [13-55](#)

Modifying a Custom Template [6-46](#)

N

NAT (see under devices) [D-1](#)

NetConfig

- task overview (table) [1-13](#)

NetConfig, using [10-1](#)

- before you begin [10-2](#)

- device configurations, verifying [10-3](#)

- device credentials, verifying [10-3](#)
 - device prompts, verifying [10-3](#)
 - device security, modifying [10-3](#)
 - job approval, enabling [10-4](#)
 - job policies, default, configuring [10-4](#)
 - task access privileges, assigning [10-4](#)
 - cwcli netconfig command description [10-93](#)
 - device states, and [5-7](#)
 - interactive commands, handling [10-26](#)
 - .ini file [10-27](#)
 - user-defined templates [10-26](#)
 - job, starting a new [10-6](#)
 - job approvers, setting [10-18](#)
 - job password [10-18](#)
 - job policies, default, configuring [10-18](#)
 - jobs, browsing and editing [10-12](#)
 - job details, viewing [10-16](#)
 - multi-line commands, handling [10-27](#)
 - rolling back configuration changes [10-4](#)
 - rollback commands, creating [10-4](#)
 - rollback on failure, configuring [10-5](#)
 - system-defined tasks [10-27](#)
 - Adhoc tasks [10-32](#)
 - Authentication Proxy task [10-33](#)
 - Banner task [10-35](#)
 - Cable BPI/BPI+ task [10-81](#)
 - Cable DHCP-GiAddr and Helper task [10-83](#)
 - Cable Downstream task [10-84](#)
 - Cable Interface Bundling task [10-90](#)
 - Cable Spectrum Management task [10-90](#)
 - Cable Trap Source task [10-92](#)
 - Cable Upstream task [10-86](#)
 - CDP task [10-36](#)
 - Certification Authority (CA) task [10-37](#)
 - Crypto Map task [10-40](#)
 - dialog box, understanding [10-30](#)
 - DNS task [10-41](#)
 - Enable Password task [10-42](#)
 - HTTP Server task [10-44](#)
 - IGMP Configuration task [10-48](#)
 - IKE Configuration task [10-51](#)
 - Interface IP Address Configuration task [10-50](#)
 - Local Username task [10-45](#)
 - NTP Server Configuration task [10-53](#)
 - RADIUS Server Configuration task [10-55](#)
 - RCP Configuration task [10-58](#)
 - Reload task [10-58](#)
 - SNMP Community Configuration task [10-60](#)
 - SNMP Security Configuration task [10-62](#)
 - SNMP Traps Configuration task [10-64](#)
 - SSH Configuration task [10-73](#)
 - Syslog task [10-69](#)
 - TACACS+ Configuration task [10-75](#)
 - TACACS Configuration task [10-74](#)
 - Telnet Password Configuration task [10-77](#)
 - Transform task [10-78](#)
 - User-Defined Protocol task [10-80](#)
 - Web User task [10-80](#)
 - tasks [10-1](#)
 - tasks, assigning to users [10-25](#)
 - templates [15-17](#)
 - transport protocol order for jobs, setting [10-18](#)
 - troubleshooting [A-29](#)
 - user-defined tasks, creating and editing [10-18](#)
 - user permissions, understanding [10-5](#)
 - administrator task permissions [10-5](#)
 - job approval permissions [10-5](#)
 - job editing permissions [10-6](#)
 - user-defined task permissions [10-5](#)
- NetShow
- adding and deleting adhoc commands [12-22](#)
 - Administering NetShow settings [12-27](#)
 - assigning approval lists [12-31](#)
 - defining default job policies [12-28](#)
 - defining protocol order [12-30](#)
 - generating standard audit trail report [12-32](#)
 - purging jobs [12-29](#)
 - setting log levels [12-31](#)

archiving job output [12-15](#)

Commands

- adding and deleting adhoc commands [12-22](#)
- custom command execution privilege, assigning [12-24](#)
- cwcli netshow command [12-27](#)
- launching show commands from device center [12-25](#)
- using show commands [12-1](#)

Command Sets [12-17](#)

- assigned Command Sets, showing [12-23](#)
- assigning [12-23](#)
- assigning to users [12-24](#)
- command set details, viewing [12-20](#)
- creating [12-20](#)
- deleting [12-22](#)
- editing [12-21](#)
- managing [12-19](#)
- system-defined command sets [12-18](#)

credentials, masking [12-7](#)

Deleting output archive [12-17](#)

Job Work Order [12-9](#)

NetShow job browser [12-3](#)

- copying jobs [12-13](#)
- creating jobs [12-7](#)
- deleting jobs [12-14](#)
- editing jobs [12-10](#)
- job details, viewing [12-5](#)
- stopping jobs [12-13](#)

NetShow jobs, working with [12-2](#)

- viewing job output [12-16](#)
- viewing permission report [12-2](#)

Netshow

- Working with NetShow Jobs [12-2](#)

NTP Server Configuration task in NetConfig [10-53](#)

O

overviews

Common Syslog Collector [15-4](#)

- editing a configuration file in Config Editor [11-8](#)
- of cwcli config [20-2, 20-6](#)
- opening a configuration file [11-25](#)
- RME [1-1](#)
- syntax checking in Config Editor [11-22](#)
- Syslog Analyzer [15-4](#)
- Syslog Analyzer reports [15-44](#)

P

pdexec command, description [C-2](#)

pdmsg command, description [C-2](#)

pdreg command, description [C-3](#)

pdrun.pl command, description [C-3](#)

pdshow command, description [C-2](#)

pdterm command, description [C-2](#)

PIX Firewall devices, upgrade recommendations, understanding [13-95](#)

purging messages

- cautions regarding changing purge values
 - in Change Audit [14-4, 16-8](#)
 - in Syslog Analyzer [15-21](#)
- forced purges
 - in Change Audit [14-5, 16-9](#)
 - in Syslog Analyzer [15-22](#)
- purge policies, setting
 - in Change Audit [14-3, 16-7](#)
 - in Syslog Analyzer [15-21](#)

R

RADIUS Server Configuration task in NetConfig [10-55](#)

rcp

- configuring for software image upgrades [13-49](#)
 - on Solaris [13-49](#)
 - selecting as active file transfer method [13-51](#)
- RCP Configuration task in NetConfig [10-58](#)

removeJrmJobs.pl command, description [C-3](#)

- reports, generating [7-1](#)
 - archived reports
 - purging [7-8](#)
 - viewing [7-7](#)
 - Audit Trail standard report [16-5](#)
 - Bug Toolkit reports
 - Bug Summary [17-1](#)
 - Locate Device [17-6](#)
 - Change Audit reports
 - Exception Period [14-15](#)
 - standard [14-16](#)
 - custom report templates [7-5](#)
 - creating [7-6](#)
 - deleting [7-7](#)
 - editing [7-6](#)
 - PSIRT summary report [23-2](#)
 - report jobs, purging [7-8](#)
 - Reports Generator [7-4](#)
 - Reports Job browser [7-1](#)
 - Syslog Analyzer reports
 - Severity Level Summary [15-49](#)
 - standard [15-50](#)
 - Syslog 24-Hour Report [15-48](#)
 - Syslog Custom Summary [15-49](#)
 - Unexpected Devices [15-51](#)
- Reports task overview (table) [1-16](#)
- report templates in Inventory, working with [6-40](#)
 - creating [6-40](#)
 - adding rules [6-42](#)
 - deleting rules [6-46](#)
 - modifying rules [6-45](#)
 - deleting [6-47](#)
 - modifying [6-46](#)
 - running [6-48](#)
- restorebackup.pl command, description [C-3](#)
- rolling back configuration changes in NetConfig [10-4](#)
 - rollback commands, creating [10-4](#)
 - rollback on failure, configuring [10-5](#)
- RSAC (Remote Syslog Analyzer Collector)

- properties file
 - COLLECTOR_PORT [15-9](#)
 - COUNTRY_CODE [15-7](#)
 - DEBUG_CATEGORY_NAME [15-8](#)
 - DEBUG_FILES [15-8](#)
 - DEBUG_LEVEL [15-8](#)
 - DEBUG_MAX_BACKUPS [15-9](#)
 - DEBUG_MAX_FILE_SIZE [15-9](#)
 - FILTER_THREADS [15-9](#)
 - PARSER_FILE [15-9](#)
 - QUEUE_CAPACITY [15-9](#)
 - READ_INTERVAL_IN_SECS [15-9](#)
 - SUBSCRIPTION_DATA_FILES [15-9](#)
 - SYSLOG_FILES [15-8](#)
 - TIMEZONE [15-7](#)
 - TIMEZONE_FILE [15-8](#)

S

- searching for images [13-34](#)
- security warning regarding -p [20-20](#)
- Setting system preferences [22-1](#)
 - job purge [22-4](#)
 - log level settings [22-1](#)
 - RME device attributes [22-8](#)
 - RME secondary credentials [22-9](#)
- Smart Call Home
 - about [27-1](#)
 - Call Home [27-2](#)
 - configure devices using RME [27-10](#)
 - EEM GOLD integration [27-2](#)
 - reports [27-14](#)
 - RME NetConfig tasks [27-3](#)
 - Smart Call Home task [27-3](#)
 - RME NetShow commands [27-15](#)
 - support in RME [27-3](#)
- SmartCase
 - launching CCO Service Request Tool [18-1](#)
- SNMP

- SNMP Community Configuration task in NetConfig [10-60](#)
- SNMP Security Configuration task in NetConfig [10-62](#)
- SNMP Traps Configuration task in NetConfig [10-64](#)
- Software Management
 - task overview (table) [1-14](#)
- Software Management, using [13-1](#)
 - administration tasks [13-6](#)
 - preferences, viewing and editing [13-7](#)
 - upgrade information, updating [13-13](#)
 - distribution by devices [13-57](#)
 - distribution by images [13-66](#)
 - distribution job, authorizing [13-56](#)
 - environment, setting up [13-3](#)
 - Cisco.com, logging into [13-5](#)
 - CiscoWorks Server [13-4](#)
 - files, locating [13-105](#)
 - Job Approval [13-6](#)
 - patch distribution [13-71](#)
 - by device [13-72](#)
 - by patch [13-75](#)
 - preferences, viewing and editing [13-7](#)
 - protocol order, selecting [13-10](#)
 - recommendation filters, and IOS images [13-11](#)
 - remote staging and distribution [13-78](#)
 - software distribution [13-37](#)
 - methods [13-42](#)
 - upgrade analysis [13-38](#)
 - Upgrade Analysis report, understanding [13-41](#)
 - upgrades, configuring devices for [13-45](#), [13-53](#)
 - upgrades, planning [13-44](#)
 - upgrades from Cisco.com, planning [13-38](#)
 - upgrades from the software repository, planning [13-40](#)
 - software image repository, maintaining [13-45](#)
- Software Management jobs [13-95](#)
 - deleting [13-100](#)
 - failed job, retrying [13-98](#)
 - schedule, changing [13-97](#)
 - stopping [13-100](#)
 - successful, undoing [13-99](#)
- software repository [13-15](#)
 - image attributes [13-35](#)
 - images, adding [13-19](#)
 - images, deleting [13-33](#)
 - searching [13-34](#)
 - synchronization [13-16](#)
 - synchronization jobs, removing [13-19](#)
 - synchronization report, scheduling [13-17](#)
 - synchronization report, viewing [13-18](#)
 - synchronizing with Cisco.com [13-32](#)
- support for IOS software modularity [13-70](#)
- troubleshooting [A-33](#)
- upgrade information, updating [13-13](#)
 - before you begin [13-14](#)
- upgrade recommendations, understanding [13-93](#)
 - for Catalyst devices [13-94](#)
 - for Catalyst 1900/2920 devices [13-95](#)
 - for Cisco IOS devices [13-93](#)
 - for PIX Firewall devices [13-95](#)
 - for VPN 3000 series devices [13-95](#)
- upgrades, scheduling [13-55](#)
- user-supplied scripts, understanding [13-102](#)
- SSH Configuration task in NetConfig [10-73](#)
- states, managing [5-1](#)
 - RME 3.x behavior [5-1](#)
 - scenarios [5-5](#)
 - adding a device [5-5](#)
 - configuration changes [5-7](#)
 - configuration deployment [5-6](#)
 - Inventory detailed device report [5-6](#)
 - software image upgrade [5-8](#)
- state descriptions [5-2](#)
- transitions [5-3](#)
 - aliased [5-4](#)
 - normal [5-4](#)
 - pending [5-4](#)
 - pre-deployed [5-4](#)

- suspended [5-5](#)
 - syslog
 - formats [B-1](#)
 - Syslog Analysis application
 - FAQs on
 - location of syslog messages [A-95](#)
 - not getting syslog messages for devices [A-95](#)
 - Syslog Analyzer
 - purge policy
 - caution regarding changing values [15-21](#)
 - setting [15-21](#)
 - reports, generating
 - Severity Level Summary report [15-49](#)
 - standard reports [15-50](#)
 - Syslog Custom Summary report [15-49](#)
 - Unexpected Device report [15-51](#)
 - reports, overview [15-44](#)
 - reports, understanding [15-48](#)
 - report templates (see Syslog Analyzer custom report templates) [15-23](#)
 - status, viewing [15-5](#), [15-13](#)
 - collector status, viewing [15-5](#)
 - procedure [15-6](#)
 - task overview (table) [1-19](#)
 - troubleshooting [A-95](#)
 - workflow [15-11](#)
 - stopping and restarting [15-13](#)
 - UNIX, syslog configuration file on [15-12](#)
 - Windows 2000 [15-11](#)
 - Syslog Analyzer and Collector, using [15-1](#)
 - automated actions [15-32](#)
 - creating [15-33](#)
 - deleting [15-38](#)
 - editing [15-35](#)
 - enabling, disabling [15-37](#)
 - example [15-38](#)
 - exporting, importing [15-37](#)
 - backup policy, setting [15-20](#)
 - Common Syslog Collector, subscribing to [15-5](#)
 - collector status, viewing [15-5](#)
 - procedure [15-6](#)
 - custom report templates
 - defining [15-23](#)
 - deleting [15-28](#)
 - editing [15-27](#)
 - devices, configuring for [15-14](#)
 - before you begin [15-14](#)
 - using NetConfig templates [15-17](#)
 - using Telnet [15-14](#)
 - forced purges [15-22](#)
 - message filters [15-40](#)
 - creating [15-41](#)
 - deleting [15-44](#)
 - editing [15-42](#)
 - enabling, disabling [15-43](#)
 - exporting, importing [15-43](#)
 - overview [15-4](#)
 - Syslog Analyzer custom report templates
 - creating [15-24](#)
 - adding a message type [15-25](#)
 - deleting a message type [15-27](#)
 - editing a message type [15-27](#)
 - selecting a message type [15-27](#)
 - running [15-28](#)
 - Syslog task in NetConfig [10-69](#)
 - System-defined command sets [12-18](#)
-
- ## T
- TACACS+ Configuration task in NetConfig [10-75](#)
 - TACACS Configuration task in NetConfig [10-74](#)
 - TACACS credentials, interpreting [A-22](#)
 - custom TACACS prompts, troubleshooting [A-25](#)
 - enable login authentication
 - in SSH mode [A-25](#)
 - in Telnet mode [A-24](#)
 - login authentication
 - in SSH mode [A-24](#)

- in Telnet mode [A-23](#)
- task overviews (tables)
 - Bug Toolkit [1-17](#)
 - change tracking [1-19](#)
 - configuration editing [1-12](#)
 - configuration management [1-10, 1-12](#)
 - device and group management [1-8](#)
 - job management [1-15](#)
 - NetConfig [1-13](#)
 - reporting [1-16](#)
 - software management [1-14](#)
 - Syslog Analyzer and Collector [1-19](#)
- Telnet
 - Telnet Password Configuration task in NetConfig [10-77](#)
 - using to configure devices for Syslog Analyzer [15-14](#)
 - using to configuring devices for Syslog Analyzer
 - Catalyst devices [15-15](#)
 - CE devices [15-16](#)
 - CSS devices [15-15](#)
- Telnet, using to configure devices for Syslog Analyzer
 - IOS devices [15-14](#)
- TFTP, configuring for software image upgrades [13-53](#)
 - on Solaris [13-53](#)
 - on Windows [13-53](#)
- Transform task in NetConfig [10-78](#)
- transport protocols, configuring [8-9](#)
 - order, defining [8-13](#)
 - requirements for use [8-10](#)
- troubleshooting [A-1](#)
 - BugToolKit [A-103](#)
 - Change Audit [A-101](#)
 - Config CLI [A-105](#)
 - Config Editor [A-31](#)
 - Config Management [A-21](#)
 - Inventory Reports [A-16](#)
 - Job Approval [A-101](#)
 - NetConfig [A-29](#)
 - Software Management [A-33](#)

- Syslog [A-95](#)
- typographical conventions in this document [1-xxxi](#)

U

- uninstall.sh command, description [C-3](#)
- upgrades
 - analyzing prerequisites and impact [13-38](#)
 - configuring devices for [13-45](#)
 - additional requirements, meeting [13-46](#)
 - additional SFB checks [13-47](#)
 - HTTP [13-55](#)
 - microcode requirements [13-55](#)
 - minimum requirements, meeting [13-46](#)
 - modem firmware requirements [13-55](#)
 - rcp, configuring [13-49](#)
 - SCP, configuring [13-49](#)
 - Telnet and SSH access, configuring [13-47](#)
 - TFTP, configuring [13-53](#)
 - distributing by devices
 - advanced [13-61](#)
 - basic [13-57](#)
 - distributing by images [13-66](#)
 - distribution job, authorizing [13-56](#)
 - distribution methods [13-42](#)
 - planning [13-44](#)
 - from Cisco.com [13-38](#)
 - from the software repository [13-40](#)
 - identifying possible changes [13-44](#)
 - prerequisites, satisfying [13-44](#)
 - software repository, maintaining [13-45](#)
 - testing the new images [13-45](#)
 - recommendations, understanding [13-93](#)
 - for Catalyst 1900/2820 devices [13-95](#)
 - for Catalyst devices [13-94](#)
 - for Cisco IOS devices [13-93](#)
 - for PIX Firewall devices [13-95](#)
 - for VPN 3000 devices [13-95](#)
 - remote staging and distribution [13-78](#)

scheduling [13-55](#)

Upgrade Analysis report, understanding [13-41](#)

User-Defined Protocol task in NetConfig [10-80](#)

user-supplied scripts for software management [13-102](#)

V

viewing

Software Management synchronization reports [13-18](#)

user-defined device groups

membership details [4-10](#)

properties [4-9](#)

Virtual Switching System

about Virtual Switching System (VSS) [24-1](#)

configuration process [24-2](#)

prerequisites [24-1](#)

standalone to VSS mode [24-4](#)

support for VSS in RME [24-8](#)

Virtual to standalone [24-10](#)

VPN 3000 devices, upgrade recommendations,
understanding [13-95](#)

W

warnings

regarding security and -p [20-20](#)

warnings regarding

configuration change detection schedule, and
purging [8-30](#)

device passwords during export [3-25, 3-29, 3-37](#)

Web User task in NetConfig [10-80](#)

What [A-25](#)

what's new in this release

in Config Editor [11-7](#)

Windows, and the NetConfig .ini file [10-27](#)