



INDEX

A

accessing

default password

enable [1-3](#)

login [1-3](#)

from local host [1-3](#)

from remote host [1-4](#)

accessing the CLI

default password

enable [1-4](#)

login [1-4](#)

DPE command modes [1-2](#)

from local host [1-3](#)

from remote host [1-4](#)

agent

See SNMP, SNMP agent commands

B

bundles

clearing [7-1](#)

current cache, bundling [7-2](#)

viewing available outgoing [7-2](#)

C

caution, debugging [4-2, 6-7](#)

CLI access

default password

login [1-4](#)

from local host [1-3](#)

from remote host [1-4](#)

CLI help

full help function [2-6](#)

partial help function [2-6](#)

cloning support

disabling [4-9](#)

enabling [4-8](#)

closing Telnet connection [2-5](#)

command modes

login [1-2](#)

prompts [1-2](#)

commands

aaa authentication [2-3](#)

clear bundles [7-1](#)

clear cache [3-3](#)

clear logs [6-2](#)

debug dpe cache [6-3](#)

debug dpe connection [6-4](#)

debug dpe dpe-server [6-4](#)

debug dpe event-manager [6-4](#)

debug dpe exceptions [6-5](#)

debug dpe framework [6-5](#)

debug on [6-7](#)

debug service packetcable netsnmp [4-3](#)

debug service packetcable registration [4-3](#)

debug service packetcable registration-detail [4-4](#)

debug service packetcable snmp [4-4](#)

debug service tftp ipv4 | ipv6 [6-7](#)

disable [2-4](#)

dpe docsis shared-secret [3-4](#)

dpe port [3-6](#)

dpe provisioning-group primary [3-7](#)

dpe provisioning-group secondary [3-8](#)

dpe rdu-server port [3-10](#)

- dpe rdu-server source ip 3-11
- dpe rdu-server source port 3-12
- dpe reload 3-12
- dpe shared-secret 3-13
- dpe start 3-13
- dpe start | stop 3-13
- dpe stop 3-13
- enable 2-5
- exit 2-5
- help 2-6
- interface ip provisioning 3-14
- interface ip provisioning fqdn 3-16
- interface ip pg-communication 3-17
- log level 6-9
- no debug all 6-9
- no debug dpe cache 6-3
- no debug dpe connection 6-4
- no debug dpe dpe-server 6-4
- no debug dpe event-manager 6-4
- no debug dpe exceptions 6-5
- no debug dpe framework 6-5
- no debug dpe messaging 6-6
- no debug service packetcable netsnmp 4-3
- no debug service packetcable registration 4-3
- no debug service packetcable registration-detail 4-4
- no debug service packetcable snmp 4-4
- no debug service tftp ipv4 | ipv6 6-8
- no dpe docsis shared-secret 3-5
- no dpe provisioning-group primary 3-8
- no dpe provisioning-group secondary 3-9
- no dpe rdu-server source ip 3-11
- no interface ip provisioning 3-15
- no interface ip provisioning fqdn 3-17
- no interface ip pg-communication 3-18
- no service packetcable enable 4-5
- no service packetcable registration encryption enable 4-6
- no service packetcable snmp key-material 4-9
- no service tftp ipv4 | ipv6 allow-read-access 3-19
- no service tftp ipv4 | ipv6 blocksize 3-20, 3-21
- no service tftp ipv4 | ipv6 verify-ip 3-23
- no snmp-server community 5-3
- no snmp-server contact 5-4
- no snmp-server host 5-5
- no snmp-server inform 5-6
- no snmp-server location 5-7
- no snmp-server udp-port 5-9
- no tacacs-server host 2-14
- password 2-7
- service packetcable enable 4-5
- service packetcable registration encryption enable 4-6
- service packetcable registration kdc-service-key 4-7
- service packetcable registration policy-privacy 4-7
- service packetcable show snmp log 4-9
- service packetcable snmp key-material 4-8
- service packetcable snmp timeout 4-9
- service tftp ipv4 | ipv6 allow-read-access 3-19
- service tftp ipv4 | ipv6 blocksize 3-20, 3-21
- service tftp ipv4 | ipv6 enabled 3-22
- service tftp ipv4 | ipv6 verify-ip 3-23
- service tod ipv4 | ipv6 enabled 3-23
- show bundles 7-2
- show clock 2-8
- show commands 2-9
- show device-config 3-24
- show disk 2-10
- show dpe 3-26
- show dpe config 3-26
- show hostname 2-10
- show ip 2-10
- show ip route 2-10
- show log 6-10
- show memory 2-10
- show running-config 2-11
- show tftp files 2-12
- show version 2-12
- snmp-server community 5-2

- snmp-server contact 5-3
- snmp-server host 5-4
- snmp-server inform 5-5
- snmp-server location 5-6
- snmp-server reload 5-7
- snmp-server start | stop 5-8
- snmp-server udp-port 5-8
- support bundle cache 7-2
- tacacs-server host 2-13
- tacacs-server retries 2-14
- tacacs-server timeout 2-14
- uptime 2-17

configuration commands

- clearing cache 3-3
- clearing source interface for RDU 3-11
- configuring port number 3-6
- configuring RDU server for DPE 3-10
- configuring source interface for RDU 3-11
- configuring source port for RDU 3-12
- interface
 - clearing provisioning FQDN 3-18
 - disabling for Network Registrar 3-15
 - disabling provisioning 3-16
 - enabling for Network Registrar extensions 3-14
 - enabling provisioning 3-15
 - setting provisioning FQDN 3-17
- provisioning group, primary
 - clearing 3-8
 - configuring 3-7
- provisioning group, secondary
 - clearing 3-9
 - configuring 3-8
- restarting DPE 3-12
- shared secret
 - configuring 3-13
 - DOCSIS, clearing 3-5
 - DOCSIS, configuring 3-4
- starting DPE 3-13
- stopping DPE 3-13

TFTP

- disabling 3-22
- disabling blocksize for transfers 3-20, 3-21
- enabling 3-22
- enabling blocksize for transfers 3-20, 3-21
- IP address request verification, disabling 3-23
- IP address request verification, enabling 3-23
- local file system read request, disabling 3-19
- local file system read request, enabling 3-19
- viewing device configuration 3-24
- viewing DPE process 3-26
- viewing DPE settings 3-26

D

debug

- before debug logging 4-2
- caution 6-7
- disabling
 - cache debug logging 6-3
 - connection debug logging 6-4
 - event manager debug logging 6-4
 - exception debug logging 6-5
 - framework debug logging 6-5
 - message debug logging 6-6
 - server debug logging 6-4
 - TFTP transfers debug logging 6-8
- enabling
 - cache debug logging 6-3
 - connection debug logging 6-4
 - event manager debug logging 6-4
 - exception debug logging 6-5
 - framework debug logging 6-5
 - message debug logging 6-6
 - TFTP transfers debug logging 6-7
- enabling logging 6-7
- debug commands, PacketCable
 - disabling
 - netSNMP service 4-3

- secure registration service [4-3, 4-4](#)
- SNMP [4-4](#)
- enabling
 - netSNMP service [4-3](#)
 - registration detail category [4-4](#)
 - secure registration service [4-3](#)
 - SNMP [4-4](#)
- default DPE password [1-3, 1-4](#)
- deleting log files [6-2](#)
- DHCP, configuring provisioning group [3-7](#)
- DOCSIS shared secret
 - clearing [3-5](#)
 - setting [3-4](#)
- DPE configuration commands
 - See* configuration commands
- dpe docsis emic shared-secret [3-5](#)

E

- enable mode
 - See* command modes
- error message
 - DPE port [3-6](#)
 - unlicensed DPE [2-1](#)
- exiting Telnet connection [2-5](#)

F

- File Transfer Protocol
 - See* FTP
- FQDN
 - interface, disabling provisioning [3-18](#)
 - interface, setting provisioning [3-17](#)
- FTP
 - identifying available outgoing bundles [7-2](#)
- full CLI help function [2-6](#)

G

- generateSharedSecret.sh tool [4-8](#)

H

- help
 - displaying options
 - all [2-6](#)
 - partial [2-6](#)

I

- informs, specifying SNMP notification [5-5, 5-6](#)
- instance
 - PacketCable service [4-2](#)
 - TFTP service [3-19](#)
 - ToD service [3-23](#)
- interface
 - Network Registrar
 - disabling for [3-15](#)
 - enabling for [3-14](#)
 - provisioning
 - disabling [3-16](#)
 - enabling [3-15](#)
 - provisioning FQDN
 - clearing [3-18](#)
 - setting [3-17](#)

K

- KDC
 - security key
 - KeyGen tool [4-7](#)
 - setting [4-7](#)

L

licenses

- about 1-1
- installing 1-1
- obtaining 1-1
- unlicensed DPE 1-1

logging

See log system management commands

log level 6-9

log system management commands

- deleting logs 6-2
- disabling debugging
 - cache 6-3
 - connection 6-4
 - event manager 6-4
 - exception 6-5
 - framework 6-5
 - messaging 6-6
 - server 6-4
 - TFTP transfers 6-8
- enabling debugging 6-7
 - cache 6-3
 - connection 6-4
 - event manager 6-4
 - exception 6-5
 - framework 6-5
 - messaging 6-6
 - server 6-4
 - TFTP transfers 6-7
- setting log level 6-9
- viewing log entries 6-10

M

managing and monitoring the system

See system commands

P

PacketCable configuration commands

- cloning support 4-8
- debug disabling
 - netSNMP service 4-3
 - registration detail category 4-4
 - secure registration service 4-3
 - SNMP 4-4
- debug enabling
 - netSNMP service 4-3
 - registration detail category 4-4
 - secure registration service 4-3
 - SNMP 4-4
- debugging 4-2
- disabling 4-5
- enabling 4-5
- MTA configuration file encryption
 - disabling 4-6
 - enabling 4-6
- RDU security key 4-9
- security key
 - KDC, setting 4-7
 - RDU, disabling 4-9
 - RDU, setting 4-8
- setting SNMP privacy policy 4-7
- setting SNMP timeout 4-9
- viewing SNMP log 4-9
- partial CLI help function 2-6
- policy privacy 4-7
- provisioning group
 - primary
 - clearing 3-8
 - configuring 3-7
 - secondary
 - clearing 3-9
 - configuring 3-8
- provisioning interface
 - disabling 3-16

enabling [3-15](#)

FQDN

clearing [3-18](#)

setting [3-17](#)

viewing DPE settings [3-26](#)

viewing files in DPE cache [2-12](#)

viewing IP settings [2-10](#)

viewing log entries [6-10](#)

viewing process statistics [3-26](#)

viewing SNMP log [4-9](#)

viewing software version [2-12](#)

R

radius-server host [2-15](#)

RDU security key [4-8](#)

RDU server

clearing source interface [3-11](#)

clearing source port [3-12](#)

configuring port [3-10](#)

configuring source interface [3-11](#)

configuring source port [3-12](#)

reloading DPE [3-12](#)

restarting DPE [3-12](#)

S

security key

clearing [4-9](#)

configuring [4-8](#)

KDC [4-7](#)

service instance

PacketCable [4-2](#)

TFTP [3-19](#)

ToD [3-23](#)

shared secret

clearing DOCSIS [3-5](#)

configuring [3-13](#)

setting DOCSIS [3-4](#)

show commands

view available outgoing bundles [7-2](#)

viewing available commands [2-9](#)

viewing device configuration cached at DPE [3-24](#)

viewing DPE hostname [2-10](#)

viewing DPE process [3-26](#)

SNMP

agent, starting [5-8](#)

agent, stopping [5-8](#)

agent process, reloading [5-7](#)

community

removing access [5-3](#)

setting up access [5-2](#)

host

removing [5-5](#)

specifying [5-4](#)

notification

inform, specifying [5-5](#)

inform, specifying retry [5-5](#)

trap, specifying [5-6](#)

PacketCable

log file, viewing [4-9](#)

setting timeout [4-9](#)

system contact

clearing [5-4](#)

specifying [5-3](#)

system location

clearing [5-7](#)

specifying [5-6](#)

UDP port, configuring [5-8](#)

SNMP agent commands

changing listening UDP port [5-9](#)

community access

clearing [5-3](#)

configuring [5-2](#)

configuring listening UDP port [5-8](#)

DPE location

clearing [5-7](#)

- configuring 5-6
- host
 - removing 5-5
 - specifying 5-4
- notification
 - inform, specifying 5-5
 - inform, specifying retry 5-5
 - trap, specifying 5-6
- reloading process 5-7
- starting process 5-8
- stopping process 5-8
- system contact
 - clearing 5-4
 - configuring 5-3
- starting and stopping CLI 1-4
- syslog 6-2
- system commands
 - authenticating
 - local user 2-3
 - remote TACACS+ user 2-3
 - changing system password 2-7
 - disabling DPE 2-4
 - enabling DPE 2-5
 - exiting Telnet connection 2-5
 - TACACS+ server
 - configuring 2-13
 - removing 2-14
 - setting number of retries 2-14, 2-16
 - setting timeout 2-14
 - viewing available commands 2-9
 - viewing current configuration 2-11
 - viewing help 2-6
 - viewing hostname 2-10
 - viewing IP settings 2-10
 - viewing software version 2-12
 - viewing system operating time 2-17
 - viewing TFTP files in cache 2-12

T

- TACACS+
 - about 1-6
 - configuring server 2-13
 - removing a configured server 2-14
 - setting number of retries 2-14, 2-16
 - setting server timeout 2-14
- Telnet
 - authenticating users
 - local 2-3
 - remote TACACS+ 2-3
 - closing connection 2-5
 - connecting to server 1-2
- TFTP
 - blocksize for transfers
 - disabling 3-20, 3-21
 - enabling 3-20, 3-21
 - read requests
 - disabling 3-19
 - enabling 3-19
 - verify IP address requests
 - disabling 3-23
 - enabling 3-23
 - viewing files in cache 2-12
- TFTP service
 - disabling 3-22
 - enabling 3-22
- timeout, setting SNMP service 4-9
- ToD service
 - disabling 3-23
 - enabling 3-23
- traps, specifying SNMP notifications 5-5, 5-6
- troubleshooting
 - bundles
 - cache 7-2
 - clearing 7-1
 - viewing outgoing 7-2

U

UDP port, specifying [5-8](#)
unlicensed DPE [2-1](#)

V

version

 view current software [2-12](#)

voice technology

See PacketCable configuration commands