D-Link® CORPORATION

Console Commands Index and Syntax

DSL-504G v.B1

ADSL Modem for Annex A

Document Revision: 0.1

Commands :

1. alias To Alias a command
2. apply Apply configuration/image file
3. commit Commit the active config to the flash
4. create Create a new entry of specified type
5. delete Delete the specified entry
6. download Download a file on to the Device
7. exit To exit the CLI shell
8. get Display info for the search
9. help Provides help
10. list List files
11. memset Memset
12. modify Modify information for specified entry
13. passwd To modify user password
14. ping The normal ping command
15. prompt Change the user prompt
16. rdf Read Flash
17. rdm Read Memory
18. reboot Reboot the device
19. remove Remove file
20. reset Reset info for the specified entry
21. size ATM Sizing Information
22. traceroute The normal traceroute command
23. trigger To set trigger
24. unalias To undefine previously defined alias
25. verbose Switch ON/OFF the verbose mode
26. wrm Write Memory

alias :

1. [<name> = <command>] Associate Alias with (partial) command

apply :

1. fname <name> File Name
2. [besteffort true|false] Best Effort for apply of a cfg file
3. [sparams "<params>"] params: space separated list of params

create :

1.alg ALG Commands
2.arp IP Net To Media Table
3.atm ATM Commands
4.bridge Bridge Commands
5.dhcp DHCP Commands
6.dns DNS Commands
7.eoa EOA Commands
8.ethernet Ethernet Configuration
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10.ilmi ILMI Commands
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14.l2tp Layer 2 Tunneling Protocol
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18.ppp PPP Commands
19.rip RIP Commands
20.snmp SNMP Commands
21.sntp SNTP Commands
22.usb USB commands
23.user System User Configuration

create alg :

1.port ALG port

create alg port:

1.portno <decvalue> Alg port
2.[prot <ProtType>] Values: any|tcp|udp|[num <decvalue>]
3.algtype <AlgTypes> Values: as given below

create arp :

1.macaddr <xx:xx:xx:xx:xx:xx> Physical address(Hex Format)
2.ip <ddd.ddd.ddd.ddd> IP Address

create atm :

1. port ATM Virtual Port table
2. trfdesc ATM Traffic Descriptor Table
3. vc ATM Virtual Circuit Commands
4. svccfg ATM SVC Config Commands
5. uni ATM UNI Config Commands

create atm port :

1. [Enable|Disable] Admin Status of the interface
2. ifname <name> Interface Name
3. [fast|interleaved] DSL Channel In Use
4. [maxvc <decvalue>] Maximum Number of VCCS
5. [oamsrc 0x<hexvalue>] OAM Loopback Source Id
6. [gfrpriority 1|2|3|4|5] GFR priority
7. [ubrpriority 1|2|3|4|5] UBR priority
8. [cbrpriority 1|2|3|4|5] CBR priority
9. [rtvbrpriority 1|2|3|4|5] RT_VBR priority
10. [nrtvbrpriority 1|2|3|4|5] NRT_VBR priority

create atm trfdesc :

1. trfindex <decvalue> Index to traffic descriptor table
2. [NOCLP_NOSCR | CLP_NOTAG_MCR |] [NOCLP_SCR] Traffic Type
3. [UBR|GFR|CBR|RTVBR|NRTVBR] Service Category
4. [pcr <decvalue>] Peak Cell Rate

5. [mcr <decvalue>] Min Cell Rate
6. [scr <decvalue>] Sustained Cell Rate
7. [mbs <decvalue>] Max burst Size

create atm svccfg :

1. ifname <name> VC Interface Name
2. [a5txsize <decvalue>] CPCS Transmit SDU Size
3. [a5rxsize <decvalue>] CPCS Receive SDU Size
4. daddr <hexValue>|<decValue> Destination ATM address
5. [nplan <Options>] Values:isdn|atmes
6. [trfindex <decvalue>] Index to the traffic descriptor table
7. [vcmux|llcmux|none] AAL5 Encapsulation
8. [<Layer3Prot>] Values:pppoa|eoa|any

create atm vc :

1. intf ATM Virtual Circuit Table

create atm vc intf :

1. ifname <name> VC Interface Name
2. [lowif <name>] Lower Interface Name
3. vpi <decvalue> VPI
4. vci <decvalue> VCI
5. [enable|disable|lpbk] ATM VC Admin Status
6. [a5txsize <decvalue>] CPCS Transmit SDU Size
7. [a5rxsize <decvalue>] CPCS Receive SDU Size
8. [trfindex <decvalue>] Index to the traffic descriptor table
9. [aal5] AAL Type
10. [a5maxproto <decvalue>] Max Protocol Per Aal5
11. [vcweight <decvalue>] Weight of ATM VC
12. [vcmux|llcmux|none] AAL5 Encapsulation

create atm svccfg :

1.ifname <name> VC Interface Name
2.[a5txsize <decvalue>] CPCS Transmit SDU Size
3.[a5rxsize <decvalue>] CPCS Receive SDU Size
4.daddr <hexValue>|<decValue> Destination ATM address
5.[nplan <Options>] Values:isdn|atmes
6.[trfindex <decvalue>] Index to the traffic descriptor table
7.[vcmux|llcmux|none] AAL5 Encapsulation
8.[<Layer3Prot>] Values:pppoa|eoa|any

create atm uni :

1. ifname <name> VC Interface Name
2. saddr <hexValue>|<decValue> Self ATM address
3. [nplan <Options>] Values:isdn|atmes

create bridge :

1. port Bridge Port Commands

2. static Dot1d Static Group

create bridge port :

1. intf Dot1d Base Port Table

create bridge port intf :

1. ifname <name> Interface Name

create bridge static :

1. macaddr <xx:xx:xx:xx:xx:xx> MAC address to which filtering applies
2. [{ifname <name>|all}+] Ports allowed for frames to be forwarded
3. inifname <name>|all Port from which frames are received

create dhcp :

1.relay DHCP Relay Commands
2.server DHCP Server Commands

create dhcp relay:

1.intf DHCP Relay Interface Table

create dhcp relay intf:

1.ifname <name> Interface For DHCP Relaying

create dhcp server :

1.exclude DHCP Server Pool Exclusion Table
2.host DHCP Server Host Table
3.pool DHCP Server Pool/ Range Table

create dhcp server exclude:

1.ip <ddd.ddd.ddd.ddd> IP Address to be excluded

create dhcp server host:

1.ip <ddd.ddd.ddd.ddd> IP Address of the Host
2.hwaddr <xx:xx:xx:xx:xx:xx> Physical Address of the Host
3.mask <ddd.ddd.ddd.ddd> Subnet Mask
4.[dlease <decvalue>] Default Lease Time(sec)
5.[mlease <decvalue>] Max Lease Time(sec)
6.[dname <name>] Domain Name
7.[gwy <ddd.ddd.ddd.ddd>] Gateway IP Address
8.[dns <ddd.ddd.ddd.ddd>] DNS IP Address
9.[sdns <ddd.ddd.ddd.ddd>] Sec. DNS IP Address
10.[smtp <ddd.ddd.ddd.ddd>] SMTP IP Address
11.[pop3 <ddd.ddd.ddd.ddd>] POP3 IP Address
12.[nntp <ddd.ddd.ddd.ddd>] NNTP IP Address

13.[web <ddd.ddd.ddd.ddd>] Web IP Address
14.[irc <ddd.ddd.ddd.ddd>] IRC IP Address
15.[wins <ddd.ddd.ddd.ddd>] WINS IP Address
16.[swins <ddd.ddd.ddd.ddd>] Sec. WINS IP Address

create dhcp server pool:

1.start-ip <ddd.ddd.ddd.ddd> Start IP Address for Pool
2.[poolid <decvalue>] Pool Identifier
3.end-ip <ddd.ddd.ddd.ddd> End IP Address for Pool
4.mask <ddd.ddd.ddd.ddd> Subnet Mask
5.[dname <name>] Domain Name
6.[lthres <decvalue>] Low Threshold Value
7.[dlease <decvalue>] Default Lease Time(sec)
8.[mlease <decvalue>] Max Lease Time(sec)
9.[gwy <ddd.ddd.ddd.ddd>] Gateway IP Address
10.[dns <ddd.ddd.ddd.ddd>] DNS IP Address
11.[sdns <ddd.ddd.ddd.ddd>] Sec. DNS IP Address
12.[smtp <ddd.ddd.ddd.ddd>] SMTP IP Address
13.[pop3 <ddd.ddd.ddd.ddd>] POP3 IP Address
14.[nntp <ddd.ddd.ddd.ddd>] NNTP IP Address
15.[web <ddd.ddd.ddd.ddd>] Web IP Address
16.[irc <ddd.ddd.ddd.ddd>] IRC IP Address
17.[wins <ddd.ddd.ddd.ddd>] WINS IP Address
18.[swins <ddd.ddd.ddd.ddd>] Sec. WINS IP Address
19.[enable|disable] Pool State

create dns :

1.servaddr DNS Server configuration

create dns servaddr:

2.<ip-address> DNS Server address

create eoa :

1. intf EOA Interface Info

create eoa intf :

1. ifname <name> Interface Name
2. [ip <ddd.ddd.ddd.ddd>] IP Address of the Ethernet Port
3. [mask <ddd.ddd.ddd.ddd>] Network Mask
4. [inside|outside|none] NAT Direction
5. lowif <name> Physical interface name
6. [usedhcp true|false] Use of DHCP
7. [droute true|false] Default route
8. [ifsectype public|private|dmz] Interface Security Type
9. [gwy <ddd.ddd.ddd.ddd>] Gateway IP Address

create ethernet :

1. intf Ethernet Configuration

create ethernet intf :

1. ifname <name> Interface Name
2. [phyif <name>] Physical interface name
3. [ip <ddd.ddd.ddd.ddd>] IP Address of the Ethernet Port
4. [mask <ddd.ddd.ddd.ddd>] Network Mask
5. [inside|outside|none] NAT Direction
6. [usedhcp local|remote|false] Dhcp local|remote|Do not use
7. [ifsectype public|private|dmz] Interface Security Type

create igmp :

1.intf IGMP Intf Configuration

create igmp intf:

1.ifname <name> Interface Name
2.[qinterval <decvalue>] Query Interval
3.[version igmpv1|igmpv2] IGMP version
4.[qmaxresponsetime <decvalue>] Query max response time(secs)
5.[lmqinterval <decvalue>] Last Member Query Interval(secs)
6.[robust <decvalue>] Robustness
7.[host|router] IGMP Host/Router Interface

create ilmi :

1. intf ILMI Interface Info

create ilmi intf :

1. ifname <name> Interface Name
2. [enable|disable] Status of the interface
3. [vpi <decvalue>] VPI
4. [vci <decvalue>] VCI
5. [timeout <decvalue>] Timeout for SNMP get/set bet peer ILMIs
6. [keepalive <decvalue>] Keep Alive time
7. [maxretry <decvalue>] Number of times ILMI retries

create ip :

1. route IP Route Table

create ip route :

1. ip <ddd.ddd.ddd.ddd>	Destination IP address of this route
2. gwyip <ddd.ddd.ddd.ddd>	IP address of next hop for this route
3. mask <ddd.ddd.ddd.ddd>	Mask of the destination IP Address

create ipf :

1.rule	IPF Rule Information

create ipf rule:

1.entry	entry

create ipf rule entry:

1.ruleid <decvalue>	Rule id
2.[ifname <Values>]	Values:<name>|all|public|private|dmz
3.[dir {in|out}]	Filtering direction
4.[act <Action>]	Values:accept|deny
5.[srcaddr <opt>|any|self]	<opt>:RelIP|RangeIP|ERangeIP
6.[destaddr <opt>|any|bcast|self]	<opt>:RelIP|RangeIP|ERangeIP
7.[transprot <opt>|any]	<opt>:eq|neq TCP|UDP|ICMP|[num <decValue>]
8.[srcport <opt> |any]	<opt>:RelDec|RangeDec|ERangeDec
9.[destport <opt>|any]	<opt>:RelDec|RangeDec|ERangeDec
10.[icmpcode <opt>|any]	<opt>:eq|neq <decValue>
11.[icmptype <opt>|any]	<opt>:eq|neq IcmpTypeValues
12.[tcpflag syn|nosyn|any]	TCP Message Type
13.[inifname <Values>]	Values:<name>|all|public|private|dmz
14.[log <opt>]	<opt>:enable|disable
15.[enable|disable]	Status of the rule
16.[storestate enable|disable]	Store state of the rule
17.[todfrom <hh:mm:ss>]	Time for starting a TOD based rule
18.[todto <hh:mm:ss>]	Time for stopping a TOD based rule
19.[todstatus enable|disable]	TOD status
20.[seclevel <opt>]	<opt>:{high|medium|low}+ seperated by space
21.[blistprotect enable|disable]	Blacklist protection status
22.[logtag <log-tag in quotes>]	Log Tag
23.[isfrag yes|no|ignore]	IP Fragmented Packets
24.[isipopt yes|no|ignore]	IP Option Packets
25.[pktsize <opt>|any]	<opt>:lt|lteq|gt|gteq|eq|neq <decValue>

create ipoa :

1.intf	IPOA Interface Info
2.map	IPOA Map Info

create ipoa intf:

1.ifname <name>	Interface Name

2.ip <ddd.ddd.ddd.ddd> IP Address of the IPoA Interface
3.mask <ddd.ddd.ddd.ddd> Network Mask
4.[type 1577|non1577] Type of IPoA interface
5.[inside|outside|none] NAT Direction
6.[ipftype public|private|dmz] IP Filter Interface Type
7.[gwy <ddd.ddd.ddd.ddd>] Gateway IP Address
8.[droute true|false] Default route
9.[usedhcp true|false] Use DHCP

create ipoa map:

1.ifname <name> Interface Name
2.lowif <name> Physical interface name

create l2tp :

1.tunnel L2TP Tunnel Command

create l2tp tunnel:

1.config L2TP Tunnel Config

create l2tp tunnel config:

1. ifname <name> L2TP Interface Name
2.[authtype <options>] Values:simple|challenge|none
3.[secret 0x<hexvalue>] Secret
4.[hellointerval <decValue>] Hello Interval
5.[idletimeout <options>] Values:infinite|{num <decValue>}
6.[crws <decValue>] Control channel receive window size
7.[maxretx <decValue>] Number of retransmissions
8.[maxretxtimeout <decValue>] Maximum retransmission timeout interval
9.[payloadseq never|always] Payload pkts requested with seq number
10.[transport udpip] Underlying transport media
11.[initiator local|remote] Tunnel will be initiated locally or not
12.localip <ddd.ddd.ddd.ddd> Address of the local endpoint of tunnel
13.remoteip <ddd.ddd.ddd.ddd> Address of the remote endpoint of tunnel
14.[start|stop] Action to be taken for the tunnel
15.localhostname <name> Name of the local End-point of tunnel
16.remotehostname <name> Name of the remote End-point of tunnel
17.[enable|disable] Admin status

create nat :

1.rule NAT Rule Commands

create nat rule:

1.entry NAT Rule Table

create nat rule entry:

1.ruleid <decvalue>	Rule identifier
2.<rule type>	Type:basic|filter|napt|bimap|rdr|pass
3.[prot <ProtType>]	Vals:any|tcp|udp|icmp|[num <decvalue>]
4.[ifname <name>]	Interface name
5.[lcladdrfrom <ip addr>]	Start source address
6.[lcladdrto <ip addr>]	End source address
7.[glbaddrfrom <ip addr>]	Start global address
8.[glbaddrto <ip addr>]	End global address
9.[destaddrfrom <ip addr>]	Start dest address
10.[destaddrto <ip addr>]	End dest address
11.[destportfrom <Portval>]	Portval: as given below
12.[destportto <Portval>]	Portval: as given below
13.[lclport <Portval>]	Portval: as given below

create pfraw:

1.subrule	PFRaw Sub Rule Info
2.rule	PFRAW Rule Info

create pfraw subrule:

1.entry	Entry

create pfraw subrule entry:

1.ruleid <decvalue>	Rule id
2.subruleid <decvalue>	Subrule id
3.mask <hexvalue>	Mask
4.[start <HeaderVal>]	linkh|iph|tcp[h|d]|udp[h|d]|icmp[h|d]
5.offset <decvalue>	Offset
6.[enable|disable]	Status of the subrule
7.cmpt <relational>	any|{eq|neq|lt|lteq|gt|gteq <hexvalue>}
8.cmpt <range>	range <hexvalue> <hexvalue>

create pfraw rule:

1.entry	Entry

create pfraw rule entry:

1.ruleid <decvalue>	Rule id
2.[ifname <Values>]	Values:<name>|all|public|private|dmz
3.[dir {in|out}]	Filtering direction

4.[inifname <Values>] Values:<name>|all|public|private|dmz
5.[enable|disable] Status of the rule
6.[act <Action>] Values:accept|deny|callmgmt
7.[log <Options>] Values:disable|match|nomatch|all

create ppe:

1.pconf PPPoE Policy Configuration

create ppe pconf:

1.acname <name> AC Name
2.[srvname <name>] Service Name

create ppp:

1.intf PPP Link Configuration
2.security PPP Security Secrets

create ppp intf:

1.ifname <name> PPP Interface Name
2.[start|stop|startondata] PPP Session Status
3.[mru <decvalue>] Maximum Receive Unit
4.lowif <name> Lower Interface Name
5.[sname <name>] Service Name
6.[magic true|false] Magic Number Negotiation
7.[droute true|false] Default route
8.PPOA|PPOE|L2TP Lower Layer Protocol
9.[usedhcp true|false] Address Negotiation
10.[ip <ddd.ddd.ddd.ddd>] IP Address for the PPP Link
11.[Inside|Outside|None] NAT Direction
12.[usedns true|false] DNS service
13.[ifsectype public|private|dmz] Interface Security Type
14.[l2tpcalltype <Options>] Values: outlns|outlac|inlns|inlac

create ppp security:

1.ifname <name>|default PPP Link
2.[PAP|CHAP] Security Protocol
3.login <name> Login Name
4.passwd <name> Security password

create rip:

1.intf RIP Interface Info

create rip intf:

1.ifname <name>	IP Interface Name
2.[metric <decvalue>]	Timer Frequency Of Route Broadcast
3.[send <FmtVal>]	Values:rip1|rip2|rip1compat|none
4.[receive <FmtVal>]	Values:rip1|rip2|both|none
5.[senddefroute <RouteVal>]	Values:enable|disable
6.[recvdefroute <RouteVal>]	Values:enable|disable
7.[auth {none|text <name>}]	Authorisation

create snmp :

1. comm	SNMP Community Table
2. host	SNMP Host Table

create snmp comm :

1. community <name>	SNMP Community
2. [ro|rw]	Community access type

create snmp host :

1. ip <ddd.ddd.ddd.ddd>	IP Address
2. community <name>	SNMP Community

create sntp:

1.servaddr	SNTP Server address

create snpt servaddr:

1.<ip-address>|dname <domain>	SNTP ip address|domain name

create usb:

1.intf	USB Configuration

create usb intf:

1.ifname <name>	USB Interface Name
2.[ip <ddd.ddd.ddd.ddd>]	Ip address of the USB interface
3.[mask <ddd.ddd.ddd.ddd>]	Network Mask
4.[inside | outside | none]	NAT Direction
5.[ifsectype public|private|dmz]	Interface Security Type

create user :

1. name <name>	User Name
2. passwd <name>	User Password
3. [root | user]	User Priviledges
4. useserial	Use Serial Number

create user useserial:

1.[root | user] User Priviledges

delete :

1.alg ALG Commands
2.arp IP Net To Media Table
3.atm ATM Commands
4.bridge Bridge Commands
5.dhcp DHCP Commands
6.dns DNS Commands
7.eoa EOA Commands
8.ethernet Ethernet Configuration
9.fwl Firewall Commands
10.igmp IGMP Commands
11.ilmi ILMI Commands
12.ip IP Commands
13.ipf IP Filter Commands
14.ipoa IPoA Commands
15.l2tp Layer 2 Tunneling Protocol
16.nat NAT Commands
17.pfraw PFRAW Commands
18.ppe PPPOE Commands
19.ppp PPP Commands
20.rip RIP Commands
21.snmp SNMP Commands
22.sntp SNTP Commands
23.tcp TCP Commands
24.usb USB commands
25.user System User Configuration

delete alg:

1.port ALG port

delete alg port:

1.portno <decvalue> Alg port
2.[prot <ProtType>] Values: any|tcp|udp|[num <decvalue>]

delete arp:

1.ip <ddd.ddd.ddd.ddd> IP Address

delete atm :

1. port ATM Virtual Port table
2. trfdesc ATM Traffic Descriptor Table
3. vc ATM Virtual Circuit Commands

4. svccfg ATM SVC Config Commands
5. uni ATM UNI Config Commands

delete atm port :
1. ifname <name> Interface Name

delete atm trfdesc :
1. trfindex <decvalue> Index to traffic descriptor table

delete atm svccfg :
1. ifname <name> VC Interface Name

delete atm vc :
1. intf ATM Virtual Circuit Table

delete atm vc intf :
1. ifname <name> VC Interface Name

delete atm uni :
1. ifname <name> VC Interface Name

delete bridge :
1. port Bridge Port Commands
2. static Dot1d Static Group

delete bridge port :
1. intf Dot1d Base Port Table

delete bridge port intf :
1. ifname <name> Interface Name

delete bridge static :
1. macaddr <xx:xx:xx:xx:xx:xx> MAC address to which filtering applies
2. inifname <name>|all Port from which frames are received

delete dhcp :
1.relay DHCP Relay Commands
2.server DHCP Server Commands

delete dhcp relay:
1.intf DHCP Relay Interface Table

delete dhcp relay intf:
1.ifname <name> Interface For DHCP Relaying

delete dhcp server :

1.exclude DHCP Server Pool Exclusion Table
2.host DHCP Server Host Table
3.pool DHCP Server Pool/ Range Table

delete dhcp server exclude:

1.ip <ddd.ddd.ddd.ddd> IP Address to be excluded

delete dhcp server host:

1.ip <ddd.ddd.ddd.ddd> IP Address of the Host

delete dhcp server pool:

1.poolid <decvalue> Pool Identifier

delete dns :

1.servaddr DNS Server configuration

delete dns servaddr:

1.<ip-address> DNS Server address

delete eoa :

1. intf EOA Interface Info

delete eoa intf :

1. ifname <name> Interface Name

delete ethernet :

1. intf Ethernet Configuration

delete ethernet intf :

1. ifname <name> Interface Name

delete fwl:

1.blacklist FWL Blacklist Configuration

delete fwl blacklist:

1.ip <ddd.ddd.ddd.ddd> IP address of the blacklisted host

delete igmp :
1.intf IGMP Intf Configuration

delete igmp intf:
1.ifname <name> Interface Name

delete ilmi :
1. intf ILMI Interface Info

delete ilmi intf :
1. ifname <name> Interface Name

delete ip :
1. route IP Route Table

delete ip route :
1. ip <ddd.ddd.ddd.ddd> Destination IP address of this route
2. mask <ddd.ddd.ddd.ddd> Mask of the destination IP Address

delete ipf :
1.rule IPF Rule Information
2.session IPF Session Information

delete ipf rule:
1.entry entry

delete ipf rule entry:
1.ruleid <decvalue> Rule id

delete ipf session:
1.sessid <decvalue> Session Id

delete ipoa :
1.intf IPOA Interface Info
2.map IPOA Map Info

delete ipoa intf:
1.ifname <name> Interface Name

delete ipoa map:

1.ifname <name> Interface Name
2.lowif <name> Physical interface name

delete l2tp :
1.tunnel L2TP Tunnel Command

delete l2tp tunnel:
1.config L2TP Tunnel Config

delete l2tp tunnel config:
1. ifname <name> L2TP Interface Name

delete nat :
1.rule NAT Rule Commands

delete nat rule:
1.entry NAT Rule Table

delete nat rule entry:
1.ruleid <decvalue> Rule identifier

delete pfraw:
1.subrule PFRaw Sub Rule Info
2.rule PFRAW Rule Info

delete pfraw subrule:
1.entry Entry

delete pfraw subrule entry:
1.ruleid <decvalue> Rule id
2.subruleid <decvalue> Subrule id

delete pfraw rule:
1.entry Entry

delete pfraw rule entry:
1.ruleid <decvalue> Rule id

delete ppe:
1.pconf PPPoE Policy Configuration

delete ppe pconf:
1.acname <name> AC Name
2.[srvname <name>] Service Name

delete ppp:
1.intf PPP Link Configuration
2.security PPP Security Secrets

delete ppp intf:
1.ifname <name> PPP Interface Name

delete ppp security:
1.ifname <name>|default PPP Link

delete rip:
1.intf RIP Interface Info

delete rip intf:
1.ifname <name> IP Interface Name

delete snmp :
1. comm SNMP Community Table
2. host SNMP Host Table

delete snmp comm :
1. community <name> SNMP Community

delete snmp host :
1. ip <ddd.ddd.ddd.ddd> IP Address
2. community <name> SNMP Community

delete sntp:
1.servaddr SNTP Server address

delete snpt servaddr:

1.<ip-address>|dname <domain> SNTP ip address|domain name

delete tcp :

1. conn TCP Connection Table

delete tcp conn :

1. lclip <ddd.ddd.ddd.ddd> Local ip address
2. lclport <decvalue> Local port
3. rmtip <ddd.ddd.ddd.ddd> Remote ip address
4. rmtport <decvalue> Remote port

delete usb:

1.intf USB Configuration

delete usb intf:

1.ifname <name> USB Interface Name

delete user :

1. name <name> User Name

download :

1. fname <filename> The filename that has to be downloaded
2. ip <ddd.ddd.ddd.ddd> IP address from where to download the file

get :

1.alg ALG Commands
2.arp IP Net To Media Table
3.atm ATM Commands
4.autodetect AutoDetect Commands
5.autoupdate Autoupdate Status
6.bridge Bridge Commands
7.dhcp DHCP Commands
8.dns DNS Commands
9.dsl DSL Commands
10.eoa EOA Commands
11.ethernet Ethernet Configuration
12.fwl Firewall Commands
13.host HOST Commands
14.icmp ICMP Commands
15.igmp IGMP Commands
16.ilmi ILMI Commands
17.interface Interface Commands
18.ip IP Commands

19.ipf IP Filter Commands
20.ipoa IPoA Commands
21.l2tp Layer 2 Tunneling Protocol
22.l2wall L2Wall Commands
23.nat NAT Commands
24.nbsize Next Boot Size Params
25.oam ATM OAM LoopBack Commands
26.pfraw PFRAW Commands
27.ppe PPPOE Commands
28.ppp PPP Commands
29.rip RIP Commands
30.rmon RMON Commands
31.sizeinfo Size Info Commands
32.smtp SMTP Commands
33.snmp SNMP Commands
34.sntp SNTP Commands
35.stp Spanning Tree Protocol Commands
36.surf Surfing Profile Reg Command
37.system System Related Information
38.tcp TCP Commands
39.trace Trace/Log Commands
40.traps Trap Log Table
41.udp UDP Commands
42.usb USB commands
43.user System User Configuration
44.zipb ZipB Commands

get alg :

1.port ALG port
2.type ALG type

get alg port:

1.[portno <decvalue>] Alg port

get arp :

1. [ip <ddd.ddd.ddd.ddd>] IP Address

get atm :

1. 1483 ATM MEA5 1483 Commands
2. aal5 ATM AAL5 Commands
3. port ATM Virtual Port table
4. stats ATM Interface Table Statistics
5. trfdesc ATM Traffic Descriptor Table
6. vc ATM Virtual Circuit Commands
7. svccfg ATM SVC Config Commands
8. uni ATM UNI Config Commands

get atm 1483 :
1. stats ATM MEA5 1483 Statistics

get atm aal5 :
1. stats ATM AAL5 Statistics

get atm aal5 stats:
1.[ifname <name>] VC Interface Name

get atm port :
1. [ifname <name>] Interface Name

get atm stats :
1. [ifname <name>] ATM Interface Name

get atm trfdesc :
1. [trfindex <decvalue>] Index to traffic descriptor table

get atm svccfg :
1. [ifname <name>] VC Interface Name

get atm vc :
1. intf ATM Virtual Circuit Table
2. stats ATM Virtual Circuit Statistics

get atm vc intf :
1. [ifname <name>] VC Interface Name

get atm vc stats :
1. [ifname <name>] VC Interface Name

get atm uni :
1. [ifname <name>] VC Interface Name

get autodetect :
1. cfg AutoDetect Configuration

get bridge :
1. forwarding Forwarding/Filtering Info at bridge
2. tbg Transparent Bridging commands
3. mode Bridging Mode of Device
4. port Bridge Port Commands
5. static Dot1d Static Group

get bridge forwarding :

1. [macaddr <xx:xx:xx:xx:xx:xx>] Addr for which fwd/filter info desired

get bridge tbg :

1. info Bridge tp info

get bridge port :

1. intf Dot1d Base Port Table
2. stats Statistics For Bridge Port(s)

get bridge port intf :

1. [ifname <name>] Interface Name

get bridge port stats :

1. [ifname <name>] PPP or Ethernet interface name

get bridge static :

1. [macaddr <xx:xx:xx:xx:xx:xx>] MAC address to which filtering applies
2. [inifname <name>|all] Port from which frames are received

get dhcp :

1.client DHCP Client Commands
2.relay DHCP Relay Commands
3.server DHCP Server Commands

get dhcp client:

1.info DHCP Client Information Table
2.stats DHCP Client Statistics Table

get dhcp client info:

1.[ifname <name>] Interface on which DHCP is running

get dhcp client stats:

1.[ifname <name>] Interface on which DHCP is running

get dhcp relay:

1.cfg DHCP Relay Global Configuration
2.intf DHCP Relay Interface Table
3.stats DHCP Relay Statistics

get dhcp relay intf:

1.ifname <name> Interface For DHCP Relaying

get dhcp server :

1.address DHCP Server Client Address(es) Info
2.cfg DHCP Server Configuration
3.exclude DHCP Server Pool Exclusion Table
4.host DHCP Server Host Table
5.pool DHCP Server Pool/ Range Table
6.stats DHCP Server Statistics

get dhcp server address:

1.[ip <ddd.ddd.ddd.ddd>] IP Addr Client whose info is desired

get dhcp server host:

1.ip <ddd.ddd.ddd.ddd> IP Address of the Host

get dhcp server pool:

1.poolid <decvalue> Pool Identifier

get dns :

1.relay DNS relay info
2.servaddr DNS Server configuration

get dns relay:

1.cfg DNS relay info
2.stats Relay Statistics

get dsl :

1. config DSL Configuration
2. params DSL Parameters
3. stats DSL Statistics

get dsl stats :

1. curr DSL current Statistics
2. hist DSL history Statistics
3. cntrs DSL counter Statistics
4. flrs DSL failure Statistics

get dsl stats hist:

1.[sintrvl<decvalue>] Start interval number
2.[nintrvl<decvalue>] Number of intervals

get eoa :
1. intf EOA Interface Info

get eoa intf :
1. [ifname <name>] Interface Name

get ethernet :
1. intf Ethernet Configuration
2. stats Ethernet Statistics

get ethernet intf :
1. [ifname <name>] Interface Name

get ethernet stats :
1. [ifname <name>] Interface Name

get fwl:
1.global FWL Global Configuration
2.blacklist FWL Blacklist Configuration
3.stats FWL STATS command

get fwl blacklist:
1.ip <ddd.ddd.ddd.ddd> IP address of the blacklisted host

get host:
1. info HOST INFO command

get host info:
1. [ip <ddd.ddd.ddd.ddd>] IP Address of host

get icmp :
1. stats ICMP Statistics

get igmp :
1.intf IGMP Intf Configuration
2.groups IGMP Cache Table

get igmp intf:
1.[ifname <name>] Interface Name

get igmp groups:

1.[grpaddr <ddd.ddd.ddd.ddd>] Group Address
2.[ifname <name>] Interface Name

get ilmi :

1. intf ILMI Interface Info
2. access ILMI Access Info

get ilmi intf :

1. [ifname <name>] Interface Name

get ilmi access :

1. protocol Protocol

get ilmi access protocol:

1.[ifname <name>] Interface Name
2.[vpi <decvalue>] VPI
3.[vci <decvalue>] VCI

get interface :

1. stats Interface Statistics

get interface stats:

1.[ifname <name>] Interface name

get ip :

1. address IP Address Table
2. cfg IP Configuration
3. route IP Route Table
4. stats IP Statistics

get ip address:

1.[ip <ddd.ddd.ddd.ddd>] IP Address

get ip route :

1.[ip <ddd.ddd.ddd.ddd>] Destination IP address of this route
2.[mask <ddd.ddd.ddd.ddd>] Mask of the destination IP Address

get ipf :

1.global IPF Global Configuration

2.stats IPF Global Statistics
3.rule IPF Rule Information
4.session IPF Session Information

get ipf rule :

1.entry entry
2.stats statistics

get ipf rule entry:

1.[ruleid <decvalue>] Rule id

get ipf rule stats :

1.[ruleid <decvalue>] Rule id

get ipoa :

1.intf IPOA Interface Info
2.map IPOA Map Info

get ipoa intf :

1.[ifname <name>] Interface Name

get ipoa map :

1.[ifname <name>] Interface Name

get l2tp :

1.global L2TP Global command
2.udp L2TP UDP Stats command
3.tunnel L2TP Tunnel Command
4.session L2TP Session

get l2tp global:

1.config Global config L2TP info
2.info L2TP global information

get l2tp udp :

1.stats L2TP UDP Stats command

get l2tp udp stats:

1.[ifname <name>] L2TP Interface Name

get l2tp tunnel :
1.config L2TP Tunnel Config
2.stats L2TP Tunnel Stats command

get l2tp tunnel config :
1. [ifname <name>] L2TP Interface Name

get l2tp tunnel stats :
1.[ifname <name>] L2TP Interface Name

get l2tp session :
1.stats L2TP Session Stats

get l2tp session stats :
1.[pppifname <name>] PPP Interface on which L2TP is running

get l2wall :
1.cfg l2wall Cfg commands

get nat :
1.global NAT Global Info
2.rule NAT Rule Commands
3.stats NAT Statistics Info
4.status NAT Status Info
5.translation NAT Translation Table

get nat rule :
1.entry NAT Rule Table
2.stats NAT Rule Statistics
3.status NAT Rule Status

get nat rule entry:
1.[ruleid <decvalue>] Rule identifier

get nat rule stats :
1.[ruleid <decvalue>] Rule identifier

get nat rule status :
1.[ruleid <decvalue>] Rule identifier

get oam :
1. lpbk ATM OAM LoopBack Commands
2. cc ATM OAM CC Commands

get oam lpbk :
1. vc ATM OAM LoopBack

get oam lpbk vc :
1. ifname <name> VC Interface Name

get oam cc :
1. vc ATM OAM CC

get oam cc vc :
1. [ifname <name>] VC Interface Name

get pfraw :
1.global PFRaw Global Info
2.stats PFRaw Global Stats
3.rule PFRAW Rule Info
4.block PFRAW block protocol

get pfraw rule :
1.info Information
2.stats Statistics

get pfraw rule info :
1. [ifname <Values>] Values:<name>|all|public|private|dmz
2.[dir {in|out}] Filtering direction
3.[ruleid <decvalue>] Rule id
4.[subruleid <decvalue>] Subrule id

get pfraw rule stats :
1.[ruleid <decvalue>] Rule id

get pfraw block :

1.protocol <values> Values: as given below

get ppe :

1.acserv PPPoE Service Names Supported by AC
2.cfg PPPoE Global Configuration
3.pconf PPPoE Policy Configuration
4.stats PPPoE Statistics Commands

get ppe acerv:

1.ifname <name> Interface Name for AAL5 VC

get ppe stats :

1.global PPP Global Statistics
2.session PPP (per) Session Statistics

get ppe stats session:

1.[ifname <name>] PPOE Interface for which Stats desired

get ppp :

1.intf PPP Link Configuration
2.ipinfo PPP IP Control Protocol Info
3.lstatus PPP Link Status Information
4.security PPP Security Secrets
5.global PPP Global Configuration

get ppp intf:

1.[ifname <name>] PPP Interface Name

get ppp ipinfo :

1.[ifname <name>] PPP Interface on which IPCP is running

get ppp lstatus :

1.[ifname <name>] Interface on which PPP is running

get ppp security :

1.[ifname <name>|default] PPP Link

get rip :

1.global RIP Global Info
2.intf RIP Interface Info

3.stats RIP Status Info

get rip intf:

1.[ifname <name>] IP Interface Name

get rmon :

1.eventgrp Eventgrp Monitoring
2.idletime Idle Time Monitoring
3.mbuffer Data Path Memory Buffers Monitoring
4.mpool Mempool Monitoring
5.queue Queue Monitoring
6.semaphore Semaphore Monitoring
7.task Task Monitoring

get rmon eventgrp :

1.[rname <name>] Name of the resource to be monitored

get rmon mbuffer :

1.[allocby <name>] Allocator Module: ip|tbg|sys|all|ether
2.[ownby <name>] Current Owner: ip|tbg|sys|all|ether
3.[sentby <name>] Last Sender: ip|tbg|sys|all|ether

get rmon mpool :

1.[rname <name>] Name of the resource to be monitored

get rmon queue :

1.[rname <name>] Name of the resource to be monitored

get rmon semaphore :

1.[rname <name>] Name of the resource to be monitored

get rmon task :

1.[rname <name>] Name of the resource to be monitored

get smtp :

1.servaddr SMTP Server address

get snmp :

1. comm SNMP Community Table
2. host SNMP Host Table
3. stats SNMP Statistics
4. trap SNMP Trap status

get snmp comm :

1. [community <name>] SNMP Community

get sntp :

1.servaddr SNTP Server address
2.cfg SNTP Configuration
3.stats SNTP Stats

get sntp servaddr:

1. [<ip-address>|dname <domain>] SNTP ip address|domain name

get stp :

1. info Spanning Tree Protocol Group Config
2. port Spanning Tree Protocol Port Commands

get stp port:

1. info STP group config

get stp port info:

1. [ifname <name>] Interface Name for AAL5 VC

get surf :

1.profile Surf Profile Registration

get surf profile :

1.reg Surf Profile Registration

get tcp :

1.conn TCP Connection Table
2.stats TCP Statistics

get trace :

1. cfg Trace/Log Configuration Table
2. stats Trace/Log Statistics

get trace cfg :

1. [module <name>|all] Name of the module

get traps :

1.[<decvalue>] Maximum traps to be displayed

get udp :

1. listen UDP Listener Table
2. stats UDP Statistics

get usb :

1.intf USB Configuration
2.stats USB Statistics

get usb intf :

1.[ifname <name>] USB Interface Name

get usb stats :

1.[ifname <name>] USB Interface Name

get zipb :

1.cfg ZipB Configuration

memset :

1.[VREG|NREG|NONE] Address Base
2.address 0x<hex> Address Offset
3.[len <decvalue>] Length of bytes to be read
4.[data 0x<hex>] Data

modify :

1.atm ATM Commands
2.autodetect AutoDetect Commands
3.autoupdate Autoupdate Status
4.bridge Bridge Commands
5.dhcp DHCP Commands
6.dns DNS Commands
7.dsl DSL Commands
8.eoa EOA Commands
9.ethernet Ethernet Configuration
10.fwl Firewall Commands
11.ilmi ILMI Commands
12.ip IP Commands
13.ipf IP Filter Commands
14.ipoa IPoA Commands

15.l2tp	Layer 2 Tunneling Protocol
16.l2wall	L2Wall Commands
17.nat	NAT Commands
18.nbsize	Next Boot Size Params
19.oam	ATM OAM LoopBack Commands
20.pfraw	PFRAW Commands
21.ppe	PPPOE Commands
22.ppp	PPP Commands
23.rip	RIP Commands
24.smtp	SMTP Commands
25.snmp	SNMP Commands
26.sntp	SNTP Commands
27.stp	Spanning Tree Protocol Commands
28.system	System Related Information
29.trace	Trace/Log Commands
30.usb	USB commands
31.zipb	ZipB Commands

modify atm :

1. port	ATM Virtual Port table
2. vc	ATM Virtual Circuit Commands
3. svccfg	ATM SVC Config Commands

modify atm port :

1. [Enable|Disable]	Admin Status of the interface
2. ifname <name>	Interface Name

modify atm vc :

1. intf	ATM Virtual Circuit Table

modify atm vc intf :

1. ifname <name>	VC Interface Name
2. [vpi <decvalue>]	VPI
3. [vci <decvalue>]	VCI
4. [enable|disable|lpbk]	ATM VC Admin Status
5. [a5maxproto <decvalue>]	Max Protocol Per Aal5
6. [vcmux|llcmux|none]	AAL5 Encapsulation

modify atm svccfg:

1.ifname <name>	VC Interface Name
2.start|stop	Action to be taken for the interface

modify autodetect

1. cfg	AutoDetect Configuration

modify autodetect cfg :

1. [enable|disable]	AutoDetect Configuration

modify autoupdate :

1. true|false Status of Autoupdate

modify bridge :

1. tbg Transparent Bridging commands
2. mode Bridging Mode of Device
3. static Dot1d Static Group

modify bridge tbg :

1. info Bridge tp info

modify bridge tbg info:

1.aging <decvalue> The timeout period in seconds for aging

modify bridge mode :

1. enable|disable Enable/Disable the bridging mode
2. [wan2wan enable|disable] Enable/Disable Wan to Wan bridging

modify bridge static :

1. macaddr <xx:xx:xx:xx:xx:xx> MAC address to which filtering applies
2. [{ifname <name>|all}+] Ports allowed for frames to be forwarded
3. inifname <name>|all Port from which frames are received

modify dhcp :

1.relay DHCP Relay Commands
2.server DHCP Server Commands

modify dhcp relay :

1.cfg DHCP Relay Global Configuration

modify dhcp relay cfg :

1.[enable|disable] Relaying State
2.[ip <ddd.ddd.ddd.ddd>] Server IP Address

modify dhcp server :

1.cfg DHCP Server Configuration
2.host DHCP Server Host Table
3.pool DHCP Server Pool/ Range Table

modify dhcp server cfg :

1.enable|disable DHCP Server Status

modify dhcp server host :

1.ip <ddd.ddd.ddd.ddd> IP Address of the Host
2.[dlease <decvalue>] Default Lease Time(sec)
3.[mlease <decvalue>] Max Lease Time(sec)
4.[dname <name>] Domain Name
5.[gwy <ddd.ddd.ddd.ddd>] Gateway IP Address
6.[dns <ddd.ddd.ddd.ddd>] DNS IP Address
7.[sdns <ddd.ddd.ddd.ddd>] Sec. DNS IP Address
8.[smtp <ddd.ddd.ddd.ddd>] SMTP IP Address
9.[pop3 <ddd.ddd.ddd.ddd>] POP3 IP Address
10.[nntp <ddd.ddd.ddd.ddd>] NNTP IP Address
11.[web <ddd.ddd.ddd.ddd>] Web IP Address
12.[irc <ddd.ddd.ddd.ddd>] IRC IP Address
13.[wins <ddd.ddd.ddd.ddd>] WINS IP Address
14.[swins <ddd.ddd.ddd.ddd> Sec. WINS IP Address

modify dhcp server pool :

1.poolid <decvalue> Pool Identifier
2.[dname <name>] Domain Name
3.[lthres <decvalue>] Low Threshold Value
4.[dlease <decvalue>] Default Lease Time(sec)
5.[mlease <decvalue>] Max Lease Time(sec)
6.[gwy <ddd.ddd.ddd.ddd>] Gateway IP Address
7.[dns <ddd.ddd.ddd.ddd>] DNS IP Address
8.[sdns <ddd.ddd.ddd.ddd>] Sec. DNS IP Address
9.[smtp <ddd.ddd.ddd.ddd>] SMTP IP Address
10.[pop3 <ddd.ddd.ddd.ddd>] POP3 IP Address
11.[nntp <ddd.ddd.ddd.ddd>] NNTP IP Address
12.[web <ddd.ddd.ddd.ddd>] Web IP Address
13.[irc <ddd.ddd.ddd.ddd>] IRC IP Address
14.[wins <ddd.ddd.ddd.ddd>] WINS IP Address
15.[swins <ddd.ddd.ddd.ddd>] Sec. WINS IP Address
16.[enable|disable] Pool State

modify dns :

1.relay DNS relay info

modify dns relay:

1.cfg DNS relay info

modify dns relay cfg:

1.[enable|disable] Status of DNS relay

modify dsl :

1. config DSL Configuration

modify dsl config :

1. [<DSL config standard>]	t1413|glite|gdmt|multimode
2. [annex annexa|annexb|annexc]	Annex Type
3. [trellis enable|disable]	Trellis coding
4. [expanded|short]	Expanded Exchange Sequence
5. [framing[0-3]]	Framing structure
6. [txatten <decvalue>]	Tx power attenuation
7. [gain <decvalue>]	Coding gain
8. [maxbits <decvalue>]	Max bits per bin on Rx
9. [txstart <decvalue>]	Lowest bin number allowed for Tx signal
10. [txend <decvalue>]	Highest bin number allowed for Tx signal
11. [txbinadj enable|disable]	Tx bin adjust
12. [rxstart <decvalue>]	Lowest bin number allowed for Rx signal
13. [rxend <decvalue>]	Highest bin number allowed for Rx signal
14. [rxbinadj enable|disable]	Rx bin adjust
15. [fastretrain enable|disable]	Fast retrain capability
16. [escfastretrain enable|disable]	Escape to fast retrain capability
17. [bitswap enable|disable]	Bit swapping
18. [duallatency enable|disable]	Dual latency
19. [pmode enable|disable]	Pilot for data
20. [pilotreq enable|disable]	Pilot tone during training
21. [whip enable | disable]	Windows Based Host Interface Program
22. [loop start|stop]	Dsl loop start/stop
23.[acmodeitem fbm|dbm]	Annex C Mode item
24.[acpilotreq enable|disable]	Annex C Pilot tone request
25.[acttrroffset offset0|offset42]	Annex C Ttr R Offset
26.[ecfdmmode <modes>]	modes:ec|fdm|fdmhp|fdmnaf

modify eoa :

1. intf	EOA Interface Info

modify eoa intf :

1. ifname <name>	Interface Name
2. [ip <ddd.ddd.ddd.ddd>]	IP Address of the Ethernet Port
3. [mask <ddd.ddd.ddd.ddd>]	Network Mask
4. [usedhcp true|false]	Use of DHCP
5.[droute true|false]	Default route
6.[gwy <ddd.ddd.ddd.ddd>]	Gateway IP Address

modify ethernet :

1. intf	Ethernet Configuration

modify ethernet intf :

1.ifname <name>	Interface Name
2.[ip <ddd.ddd.ddd.ddd>]	IP Address of the Ethernet Port
3.[mask <ddd.ddd.ddd.ddd>]	Network Mask
4.[usedhcp local|remote|false]	Dhcp local|remote|Do not use

modify fwl :

1.global FWL Global Configuration

modify fwl global:

1.[blistprotect enable|disable]	Blacklist protection status
2.[attackprotect enable|disable]	Attack protection status
3.[dosprotect enable|disable]	DOS protection status
4.[blistperiod <decvalue>]	Duration to blacklist an attacking host
5.[maxtcpconn <decvalue>]	% of max half open TCP connection
6.[maxicmpconn <decvalue>]	% of ICMP connection
7.[maxsinglehostconn <decvalue>]	% of connections from a single host
8.[logdest email|trace|both|none]	Destination type for firewall logs
9.[emailid1 <emailid>]	Email addr of firewall administrator1
10.[emailid2 <emailid>]	Email addr of firewall administrator2
11.[emailid3 <emailid>]	Email addr of firewall administrator3
12.[minlogtime <decvalue>]	Minimum time(min) after which log starts

modify ilmi :

1. intf ILMI Interface Info

modify ilmi intf :

1. ifname <name>	Interface Name
2. [enable|disable]	Status of the interface
3. [vpi <decvalue>]	VPI
4. [vci <decvalue>]	VCI
5. [timeout <decvalue>]	Timeout for SNMP get/set bet peer ILMIs
6. [keepalive <decvalue>]	Keep Alive time
7. [maxretry <decvalue>]	Number of times ILMI retries

modify ip :

1. cfg IP Configuration

modify ip cfg :

1. [forwarding enable|disable]	IP forwarding status
2. [ttl <decvalue>]	Time to live value(sec)

modify ipf :

1.global IPF Global Configuration
2.rule IPF Rule Information

modify ipf global :

1.[seclevel <Options>]	Values:high|medium|low|none
2.[pubdefact accept|deny]	Default Action on a public interface
3.[pvtdefact accept|deny]	Default Action on a private interface
4.[dmzdefact accept|deny]	Default Action on a dmz interface

modify ipf rule :

1.entry entry

modify ipf rule entry :

1.ruleid <decvalue> Rule id
2.[log <opt>] <opt>:enable|disable
3.[enable|disable] Status of the rule

modify ipoa :

1.intf IPOA Interface Info

modify ipoa intf :

1.ifname <name> Interface Name
2.[ip <ddd.ddd.ddd.ddd>] IP Address of the IPoA Interface
3.[mask <ddd.ddd.ddd.ddd>] Network Mask
4.[gwy <ddd.ddd.ddd.ddd>] Gateway IP Address
5.[route true|false] Default route
6.[usedhcp true|false] Use DHCP

modify l2tp :

1.global L2TP Global command
2.tunnel L2TP Tunnel Command

modify l2tp global:

1.config Global config L2TP info

modify l2tp global config:

1. [timeout <val>] val: infinite|{num <decvalue>}

modify l2tp tunnel :

1.config L2TP Tunnel Config

modify l2tp tunnel config:

1.ifname interface-name Interface Name
2.[authtype <options>] Values:simple|challenge|none
3.[secret 0x<hexvalue>] Secret
4.[hellointerval <decValue>] Hello Interval
5.[idletimeout <options>] Values:infinite|{num <decValue>}
6.[crws <decValue>] Control channel receive window size

7.[maxretx <decValue>]	Number of retransmissions
8.[maxretxtimeout <decValue>]	Maximum retransmission timeout interval
9.[payloadseq never|always]	Payload pkts requested with seq number
10.[transport udpip]	Underlying transport media
11.[initiator local|remote]	Tunnel will be initiated locally or not
12.[localip <ddd.ddd.ddd.ddd>]	Address of the local endpoint of tunnel
13.[remoteip <ddd.ddd.ddd.ddd>]	Address of the remote endpoint of tunnel
14.[start|stop]	Action to be taken for the tunnel
15.[localhostname <name>]	Name of the local End-point of tunnel
16.[remotehostname <name>]	Name of the remote End-point of tunnel
17.[enable|disable]	Admin status

modify l2wall :

1.cfg	l2wall Cfg commands

modify l2wall cfg:

1.[inacttime <decvalue>]	InactTime(mins)
2.[auto|on|off]	Status of l2wall cfg

modify nat :

1.global	NAT Global Info

modify nat global :

1.[tcpidletimeout <decvalue>]	Tcp idle timeout(sec)
2.[tcpclosewait <decvalue>]	Wait time after which conn is closed(sec)
3.[tcptimeout <decvalue>]	Def tcp timeout incase of errors(sec)
4.[udptimeout <decvalue>]	Udp timeout(sec)
5.[icmptimeout <decvalue>]	Icmp timeout(sec)
6.[gretimeout <decvalue>]	Gre timeout(sec)
7.[defnatage <decvalue>]	Default nat timeout(sec)
8.[portstart <decvalue>]	Starting value of port range
9.[portend <decvalue>]	Last value of port range
10.[enable | disable]	Admin status

modify nbsize :

1.[maxipsess <decvalue>]	Maximum IP Session
2.[httpport <decvalue>]	HTTP Port
3.[telnetport <decvalue>]	Telnet Port
4. [ftpport <decvalue>]	Ftp Port

modify oam :

1. lpbk	ATM OAM LoopBack Commands
2. cc	ATM OAM CC Commands

modify oam lpbk :

1. vc ATM OAM LoopBack

modify oam lpbk vc :

1. ifname <name> VC Interface Name
2. [lbid 0x<hexvalue>] OAM Loopback Location Id
3. [e2e|seg] OAM Loopback Type

modify oam cc :

1. vc ATM OAM CC

modify oam cc vc :

1. ifname <name> VC Interface Name
2. [mode auto|manual] CC Mode
3. [action act|deact] CC action
4. [dir src|sink|both] CC direction
5. [ethercheck enable|disable] CC ethercheck

modify pfraw :

1.global PFRaw Global Info
2.subrule PFRaw Sub Rule Info
3.rule PFRAW Rule Info
4.block PFRAW block protocol

modify pfraw global:

1.[enable|disable] Admin status
2.[accept|deny|callmgmt] Default Action

modify pfraw subrule :

1.entry Entry

modify pfraw subrule entry :

1.ruleid <decvalue> Rule id
2.subruleid <decvalue> Subrule id
3.[mask <hexvalue>] Mask
4.[start <HeaderVal>] linkh|iph|tcp[h|d]|udp[h|d]|icmp[h|d]
5.[offset <decvalue>] Offset
6.[enable|disable] Status of the subrule
7.[cmpt <relational>] any|{eq|neq|lt|lteq|gt|gteq <hexvalue>}
8.[cmpt <range>] range <hexvalue> <hexvalue>

modify pfraw rule :

1.entry Entry

modify pfraw rule entry :

1.ruleid <decvalue>	Rule id
2.[inifname <Values>]	Values:<name>|all|public|private|dmz
3.[enable|disable]	Status of the rule
4.[act <Action>]	Values:accept|deny|callmgmt
5.[log <Options>]	Values:disable|match|nomatch|all

modify pfraw block :

1.enable|disable	enable/disable the proto blocking
2.protocol <values>	Values: as given below

modify ppe :

1.cfg	PPPoE Global Configuration

modify ppe cfg :

1.[padimax <decvalue>]	Maximum PADI Attempts
2.[padrmax <decvalue>]	Maximum PADR Attempts
3.[discmax <decvalue>]	Maximum Discovery Attempts
4.[paditime <decvalue>]	Initial PADI Time Diff(sec)
5.[padrtime <decvalue>]	Initial PADR Time Diff(sec)
6.[first-come|serv-to-ac]	AC Policy

modify ppp :

1.intf	PPP Link Configuration
2.security	PPP Security Secrets
3.global	PPP Global Configuration

modify ppp intf :

1.ifname <name>	PPP Interface Name
2.[start|stop|startondata]	PPP Session Status
3.[mru <decvalue>]	Maximum Receive Unit
4.[magic true|false]	Magic Number Negotiation
5.[l2tpcalltype <Options>]	Values: outlns|outlac|inlns|inlac

modify ppp security :

1.ifname <name>|default	PPP Link
2.[PAP|CHAP]	Security Protocol
3.[login <name>]	Login Name
4.[passwd <name>]	Security password

modify ppp global :

1.[pppsesstimer <decvalue>]	PPP session timer (min)
2.[ignorewantolan true|false]	Ignore WAN to LAN traffic for PPP timer

modify rip :
1.global RIP Global Info
2.intf RIP Interface Info

modify rip global :
1.[enable|disable] Admin status
2.[updatetime <decvalue>] Update time(sec)
3.[agetime <decvalue>] Age time(sec)

modify rip intf :
1.ifname <name> IP Interface Name
2.[send <FmtVal>] Values:rip1|rip2|rip1compat|none
3.[receive <FmtVal>] Values:rip1|rip2|both|none
4.[senddefroute <RouteVal>] Values:enable|disable
5.[recvdefroute <RouteVal>] Values:enable|disable
6.[auth {none|text <name>}] Authorisation

modify smtp :
1.servaddr SMTP Server address

modify smtp servaddr :
1.[<ip-address>|dname <domain>] SMTP ip address|domain name

modify snmp
1.trap SNMP Trap status

modify snmp trap :
1. Enable|Disable SNMP Trap Status

modify sntp :
1.cfg SNTP Configuration

modify sntp cfg :
1.[enable|disable] SNTP Configuration

modify stp :
1. info Spanning Tree Protocol Group Config
2. port Spanning Tree Protocol Port Commands

modify stp info :

1. [priority 0x<hexvalue>]	Bridge Priority:First 2 octets of BridgeId
2. [maxage <decvalue>]	Max Age(sec) used when Bridge is root.
3. [htime <decvalue>]	Hello time(sec) used when Bridge is root
4. [fdelay <decvalue>]	Fwd Delay(sec) used Bridge is root
5. [enable|disable]	Status of STP

modify stp port :

1. info	STP group config

modify stp port info :

1. ifname <name>	Interface Name for AAL5 VC
2. [priority 0x<hexvalue>]	Port Priority: First octet of Port Id
3. [enable|disable]	The status of the port
4. [pcost <decvalue>]	Contribution to path cost towards the root

modify system :

1. [contact "<name>"]	Identification of the contact person
2. [model "<model-name>"]	Model of the system
3. [location "<name>"]	The physical location of this node
4. [vendor "<name>"]	Vendor-specific information
5. [logthresh <decvalue>]	The severity level of trap
6. [systime "<sys-time>"]	SysTime in format mon dd hh:mm:ss year
7. [dst <on | off>]	Daylight Saving Time
8. [timezone "<timezone>"]	Time Zone
9. [name "<name>"]	Host Name
10. [dname "<name>"]	Domain Name

modify trace :

1. cfg	Trace/Log Configuration Table

modify trace cfg :

1. module <name>|all	Name of the module
2. [flow 0x<hexvalue>]	Mask to set filter for flow
3. [level 0x<hexvalue>]	Mask to set filter for level
4. [syslog|net|stdout]	Type of logging to be done
5. [dest <ddd.ddd.ddd.ddd>]	Host IP for trace type syslog/net
6. [port <decvalue>]	Port to listen for trace type syslog/net

modify usb :

1.intf	USB Configuration

modify usb intf :

1.ifname <name>	USB Interface Name
2.[ip <ddd.ddd.ddd.ddd>]	Ip address of the USB interface
3.[mask <ddd.ddd.ddd.ddd>]	Network Mask

modify zipb :

1.cfg ZipB Configuration

modify zipb cfg :

1.[enable|disable] ZipB Configuration

passwd :

1.<name> User whose password is to be modified

ping :

1. <ipaddress>|dname <domain> Destination address to be pinged
2. [-s <decvalue>] Size of payload
3. [-w <decvalue>] TimeOut(sec)
4. [-t | -n <decvalue>] Ping the host continuously or n times
5. [-i <decvalue>] Time to live(sec)

prompt :

1. <name> New Command Line Prompt

rdf :

1. [address 0x<hex>] Address Offset
2. [len <decvalue>] Length of bytes to be read
3. [format <hex|dec>] Format of display
4. [dev <devname>] Prim|Sec|log|manu|def|dhcp

rdm :

1. [VREG|NREG|NONE] Address Base
2. address 0x<hex> Address Offset
3. [len <decvalue>] Length of bytes to be read
4. [format <hex|dec>] Format of display

reboot :

1. [<reboot options>] default|backup|last|clean|minimum

remove :

1. fname <name> File Name

reset :

1.atm ATM Commands
2.bridge Bridge Commands
3.dhcp DHCP Commands
4.dns DNS Commands
5.dsl DSL Commands
6.ethernet Ethernet Configuration
7.fwl Firewall Commands

8.ipf IP Filter Commands
9.l2tp Layer 2 Tunneling Protocol
10.nat NAT Commands
11.pfraw PFRAW Commands
12.rip RIP Commands
13.sntp SNTP Commands
14.stp Spanning Tree Protocol Commands
15.surf Surfing Profile Reg Command
16.traps Trap Log Table

reset atm :

1. aal5 ATM AAL5 Commands
2. stats ATM Interface Table Statistics
3. vc ATM Virtual Circuit Commands

reset atm aal5 :

1. stats ATM AAL5 Statistics

reset atm aal5 stats:

1. ifname <name> VC Interface Name

reset atm stats :

1. ifname <name> ATM Interface Name

reset atm vc :

1. stats ATM Virtual Circuit Statistics

reset atm vc stats :

1.ifname <name> VC Interface Name

reset bridge:

1.tbg Transparent Bridging commands
2.port Bridge Port Commands

reset bridge tbg :

1. stats Stats for bridge tp info

reset bridge port :

1. stats Statistics For Bridge Port(s)

reset bridge port stats :

1.ifname <name> PPP or Ethernet interface name

reset dhcp :
1.relay DHCP Relay Commands
2.server DHCP Server Commands

reset dhcp relay :
1.stats DHCP Relay Statistics

reset dhcp server :
1.stats DHCP Server Statistics

reset dns :
1.relay DNS relay info

reset dns relay :
1.stats Relay Statistics

reset dsl :
1. stats DSL Statistics

reset dsl stats:
1. cntrs DSL counter Statistics
2. flrs DSL failure Statistics

reset ethernet :
1. stats Ethernet Statistics

reset ethernet stats :
1. ifname <name> Interface Name

reset fwl:
1. stats FWL STATS command

reset ipf :
1.stats IPF Global Statistics
2.rule IPF Rule Information
3.session IPF Session Information

reset ipf rule :
1.stats statistics

reset ipf rule stats :
1.ruleid <decvalue> Rule id

reset l2tp :
1.tunnel L2TP Tunnel Command
2.session L2TP Session

reset l2tp tunnel :
1.stats L2TP Tunnel Stats command

reset l2tp tunnel stats :
1. ifname <name> L2TP Interface Name

reset l2tp session :
1.stats L2TP Session Stats

reset l2tp session stats :
1.pppifname <name> PPP Interface on which L2TP is running

reset nat :
1.rule NAT Rule Commands
2.stats NAT Statistics Info

reset nat rule :
1.stats NAT Rule Statistics

reset nat rule stats :
1.[ruleid <decvalue>] Rule identifier

reset pfraw :
1.stats PFRaw Global Stats
2.rule PFRAW Rule Info

reset pfraw rule :
1.stats Statistics

reset pfraw rule stats :
1.ruleid <decvalue> Rule id

reset rip :
1.stats RIP Status Info

reset sntp :
1.stats SNTP Stats

reset stp :
1. port Spanning Tree Protocol Port Commands
2. stats Spanning Tree Protocol statistics

reset stp port :
1. stats STP port statistics

reset stp port stats :
1. ifname <name> Interface Name for AAL5 VC

reset surf :
1.profile Surf Profile Registration

reset surf : profile :
1.reg Surf Profile Registration

size :
1.[maxvc <decval>] Max VCCs supported over all ATM ports
2.[max1483vc <decval>] Max AAL5 connections used for MEA5
3.[maxppe <decval>] Max PPPoE sessions supported in the system
4.[maxmac <decval>] Max MACaddresses supported by bridging
5.[maxpfrawrule <decval>] Max PFRaw Rules
6.[maxpfrawsubrule <decval>] Max PFRaw SubRules
7.[maxipfrule <decval>] Max IPF Rules
8.[maxl2tptunnel <decval>] Max L2TP Tunnel
9.[maxl2tpsesspertunnel <decval>] Max L2TP Sess Per Tunnel
10.[maxl2tppeerrws <decval>] Max L2TP Peer RWS

traceroute :
1. <ipaddress>|dname <domain> Destination address to be searched
2. ping|udp Probe message type
3. [-q <decvalue>] Number of probes to be sent for each TTL
4. [-m <decvalue>] Maximum hops to search for IP address
5. [-w <decvalue>] TimeOut(sec)
6. [-p <decvalue>] Destination UDP port to be used

trigger :

1.ilmi Set trigger of ilmi

unalias :

1.all|<name> Alias(es) to be undefined

verbose :

1. on|off Set the verbose mode ON/OFF

wrm :

1.[VREG|NREG|NONE] Address Base
2.address 0x<hex> Address Offset
3.data 0x<hex> Data