



---

## Symbols

-? command [C-3](#)  
[A-4, C-3](#)

---

## A

AAL [B-6](#)

AAL3/4

AAL5

abbreviating commands

access groups [12-3](#)

access lists

    applying to interfaces [8-4](#)

    configuration commands [12-2](#)

    configuring for firewalls [8-3, 9-2](#)

[B-11](#)

ACK bits

Address Resolution Protocol

*See*

ADSL

    configuring

    ordering

    overview

    troubleshooting

aggregator, configuring [13-20](#)

ARP [B-2](#)

Asymmetric Digital Line Subscriber Line

    ADSL

ATM

    errors, displaying

    events, displaying [14-7](#)

    interface, configuring basic parameters [1-7](#)

    interface, configuring for PPPoA [4-5](#)

[B-5](#)

    packets, displaying

    PVC encapsulation types

    queues

    troubleshooting commands [14-2 to 14-9](#)

[xi](#)

[12-2](#)

auxiliary port, for dial backup [13-9](#)

---

## B

broadcast intervals, RIP

---

## C

CBAC firewall, configuring

CBWFQ

CHAP

Cisco IOS Firewall IDS

- B-10
- xiii
- 1-11
- 1-9
- A-2 to A-4
- C-3
- A-4
- A-6
- 12-2
- 14-2 to 14-9
- C-3
- C-3
- C-3
- A-4
- C-6
- C-9
- A-7
- C-3
- 14-6
- 14-6
- 14-7
- 14-8
- C-3
- A-4
- A-2
- C-9
- C-3
- A-4
- C-3
- C-9
- C-9
- B-11
- 14-3
- privileged EXEC, accessing
  - redisplaying
  - reset
  - ROM monitor
  - ROM monitor debugging
  - show atm interface
  - show controllers dsl
  - show dsl interface atm
  - show interface
  - stack
  - sysret
  - tftpdnld
  - undoing
  - xmodem
- command variables
  - listing
  - TFTP download
- committed access rate
  - CAR
- configuration changes
  - making
  - saving
- configuration examples
  - command-line access
  - DHCP server
  - dynamic routes
  - EIGRP
  - PPPoA with NAT
  - PPPoE with NAT
  - simple firewall
  - static route
  - VPN with IPSec and GRE
  - VPN with IPSec tunnel
  - wireless LAN
- configuration prerequisites
- configuration register
  - changing
  - changing from ROM monitor
  - value, resetting

configuring  
ATM WAN interface  
basic router parameters  
bridging  
command-line access  
DHCP server  
dial backup  
dialer interface  
dynamic routes  
Easy VPN  
EIGRP, IP  
Fast Ethernet LAN interfaces  
Fast Ethernet WAN interface  
firewall  
global parameters  
GRE tunnel  
group policy  
IKE policy  
inspection rules for firewalls  
IP EIGRP  
IPSec tunnel  
loopback interface  
NAT  
PPPoE with NAT  
RIP  
router from PC  
static routes  
VLANs  
VPDN group number  
VPNs  
WAN interface  
your network, preparing for  
confreg command  
connections, setting up  
console download  
console port, for dial backup  
context command  
conventions, command

copy running-config startup-config command  
copy tftp flash command  
corporate network, connecting to  
crypto map, applying to interface

---

## D

DHCP and Easy IP (Phase 2)  
DHCP server  
configuration example  
configuring router as  
verify configuration  
dial backup  
configuring  
dialer watch  
floating static routes  
dialer interface  
configuring  
description  
dialer watch  
dir device command  
disaster recovery  
DSL signaling protocol  
Dynamic Host Configuration Protocol  
DHCP  
dynamic routes  
configuration example  
configuring

---

## E

Phase 1 overview

Phase 2 overview

Easy VPN

configuration tasks

remote configuration

verify configuration

EIGRP

configuration example

configuring

overview

enable password

recovering

setting

enable secret password

recovering

setting

encapsulation

Enhanced Interior Gateway Routing Protocol

EIGRP

error messages, configuration

error reporting, ROM monitor

errors, ATM, displaying

Ethernet

events, ATM, displaying

experience, user

extended access list, overview

---

## F

---

## G

G.SHDSL

ordering

overview

global configuration mode

entering

summary

global parameters, setting up

GRE tunnel

configuration example

configuring

group policy, configuring

---

## H

---

**I**

---

**M**

---

**N**

*See also*

*See*

*See*

*See*

*See*

---

**K**

---

**L**

**O**

3-1

3-10

1-4

A-5

**P**

A-2, A-3

B-5

B-5

B-2

B-5 to B-6

B-3 to B-4

B-2 to B-3

B-6

B-6

**Q**

**R**

D-1 to D-2

1-1

D-1 to D-2

B-3 to B-4

B-9

B-9

B-3

4-11

3-1

3-9

xiv

6-1

13-9, 13-16

C-3

14-12

14-12

14-11

1-13

B-2 to B-3

C-2 to C-3

C-8, C-9

---

**S**

- standard VT-100 emulation
- SHDSL
  - configuring
  - overview
  - troubleshooting
- show atm interface command
- show controllers dsl command
- show dsl interface atm command
- show interface command
- site-to-site VPN
- software, upgrading methods
- stack command
- static routes
  - configuration
  - configuration example
  - configuring
- symmetrical high-data-rate digital subscriber line
  - G.SHDSL
- sysret command

---

**T**

- TACACS+
- TCP/IP-oriented configuration
- TCP port numbers
- terminal emulation software
- tftpdnld command
- TFTP download
  - console download
- Timesaver, defined
- transform set, configuring
- translation
  - NAT
- triggered extensions to RIP
- troubleshooting commands, ATM

---

**U**

- UDP port numbers
- undoing commands
- upgrading software, methods for
- User Datagram Protocol
  - UDP
- user EXEC mode

---

**V**

---

**W**

---

**X**