



Symbols

(encryption) command, access-list [4-7](#)

A

acceleration module, VPN (see VAM) [1-1](#)

access-list (encryption) command [4-7](#)

access lists

See also IPsec, crypto access lists

allowed transform combinations [4-8](#)

B

basic IPsec configuration [4-13](#)

illustration [4-12](#)

C

cables, connectors, and pinouts [1-6](#)

cautions, warnings and [3-3](#)

Cisco 7401ASR Router—Removing and Installing the SA-VAM [3-7](#)

Cisco 7401ASR Router Slot Numbering [1-9](#)

clear crypto sa command [4-9](#)

command

access-list (encryption) [4-7](#)

clear crypto sa [4-9](#)

crypto ipsec transform-set [4-7](#)

crypto isakmp enable [4-2](#)

encryption [4-2](#)

group [4-2](#)

initialization-vector size [4-7](#)

command interpreter, EXEC [4-2](#)

compatibility, hardware and software [2-4](#)

compliance

FCC Class A [2-7](#)

U.S. export laws and regulations regarding encryption [2-7](#)

configuring

basic IPsec [4-13](#)

examples [4-11](#)

IKE [4-2](#)

IKE example [4-11](#)

IPsec example [4-11](#)

router A example [4-13](#)

router B example [4-14](#)

tasks [4-1](#)

verifying [4-9](#)

configuring IPsec

example [4-11](#)

crypto access lists

creating [4-6](#)

crypto sa command, clear [4-9](#)

D

data encryption

overview [1-2](#)

documentation

other related [viii](#)

E

electrical equipment guidelines [2-6](#)

electrostatic discharge

preventing damage [2-6](#)
 electrostatic discharge damage
 See ESD prevention
 equipment
 electrical guidelines [2-6](#)
 required tools and [2-1](#)
 ESD prevention [2-6](#)
 EXEC command interpreter [4-2](#)

G

guidelines, electrical equipment [2-6](#)
 guidelines, safety [2-4](#)

H

hardware and software
 minimum requirements [2-1](#)
 hardware and software compatibility [2-4](#)
 hardware requirements [2-1](#)

I

IKE
 configuring [4-2](#)
 configuring policies example [4-11](#)
 initialization-vector size command [4-7](#)
 insertion and removal, online [3-2](#)
 interpreter, EXEC command [4-2](#)
 IPSec
 access lists [4-7](#)
 configuring [4-6 to ??](#)
 crypto access lists [4-6, 4-7](#)
 monitoring [4-9](#)
 transform sets
 defining [4-7](#)
 IPSec, configuring [4-13](#)

L

LEDs [1-5](#)
 SA-VAM [1-5](#)
 SM-VAM [1-6](#)

M

maintenance, parts required for VIP installation and [2-1](#)
 MIBs [1-4](#)
 module, VPN acceleration (see VAM) [1-1](#)

O

online insertion and removal [3-2](#)

P

prevention, ESD [2-6](#)

R

removal, online insertion and [3-2](#)
 removing and installing the VAM
 Cisco 7100 series routers [3-5](#)
 Cisco 7200 series routers [3-6](#)
 Cisco 7401ASR router [3-7](#)
 Required [2-1](#)
 required tools and equipment [2-1](#)
 requirements
 for the Cisco 7200 series routers [2-2](#)
 hardware [2-1](#)
 RFCs [1-4](#)

S

sa command, clear crypto [4-9](#)
 safety guidelines [2-4](#)

safety warnings 2-4

SA-VAM (service adapter VPN acceleration module) 1-5

service adapter (SA-VAM) vii

service module (SM-VAM) vii

size command, initialization-vector 4-7

slot numbering

- Cisco 7100 series routers 1-7
- Cisco 7200 series routers 1-8

SM-VAM (service module VPN acceleration module) 1-6

software

- requirements 2-2

software and hardware compatability 2-4

software compatibility, hardware and 2-4

standards

- supported 1-4

T

This 2-1

tips, troubleshooting 4-14

tools and equipment, required 2-1

transform sets

- defining 4-7

troubleshooting tips 4-14

V

VAM

- features 1-3
- handling 3-2
- location in the Cisco 7120 router 1-7
- location in the Cisco 7140 router 1-7
- location in the Cisco 7204 router 1-8
- location in the Cisco 7206 router 1-8
- location in the Cisco 7401ASR router 1-9
- monitoring and maintaining 4-17
- overview vii, 4-1

- removal and installation 3-4
- slot locations 1-7
- software requirements 2-2

VPN 1-1

VPN Acceleration Module (see VAM) 1-1

W

warnings, safety 2-4

warnings and cautions 3-3