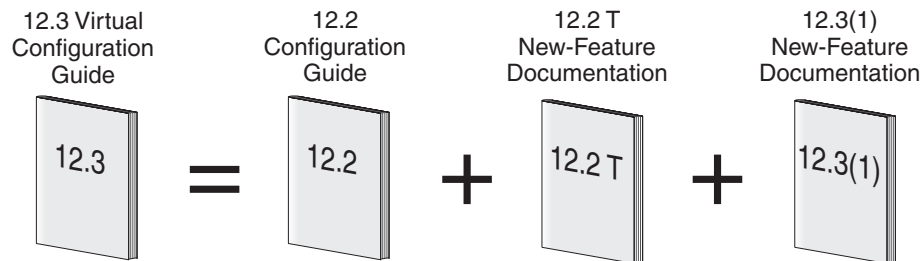


Cisco IOS Security Configuration Guide, Release 12.3

The *Cisco IOS Security Configuration Guide*, Release 12.3 (known as a “virtual configuration guide”) consists of the Cisco IOS Release 12.2 configuration guide and new-feature documentation for Cisco IOS Releases 12.2 T and 12.3(1).



In some cases, information contained in the new-feature documentation for Cisco IOS Release 12.3(1) and early-deployment Cisco IOS releases numbered 12.2 T augments or supersedes content in the Cisco IOS Release 12.2 configuration guides. New-feature documentation in later 12.2 T releases may replace new-feature documentation in earlier 12.2 T releases.

The following outline includes links to Cisco IOS Release 12.2 chapters and Cisco IOS Release 12.2 T new-feature documentation. Use these documents to configure your Cisco IOS Release 12.3 features.

Overview

- Chapter: [About Cisco IOS Software Documentation for Release 12.3](#) (12.3 document)
- Chapter: [Using Cisco IOS Software for Release 12.3](#) (12.3 document)
- Chapter: [Security Overview](#) (12.2 document; also pertains to 12.3*)

Part 1: Authentication, Authorization, and Accounting (AAA)

- Chapter: [AAA Overview](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Authentication](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [MS CHAP V2](#) (12.2(13)T document)
 - New Feature: [RADIUS EAP Support](#) (12.2(13)T document)
 - New Feature: [RADIUS Packet of Disconnect](#) (12.2(8)T document)
- Chapter: [Configuring Authorization](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [PKI Integration with AAA Server](#) (12.3(1) document)
- Chapter: [Configuring Accounting](#) (12.2 document; also pertains to 12.3*)

Part 2: Security Server Protocols

- Chapter: [Configuring RADIUS](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [ACL Default Direction](#) (12.2(4)T document)

- New Feature: [Enable Multilink PPP via RADIUS for Preauthentication User](#) (12.2(11)T document)
- New Feature: [Enhanced Test Command](#) (12.2(4)T document)
- New Feature: [Offload Server Accounting Enhancement](#) (12.2(4)T document)
- New Feature: [Per VRF AAA](#) (12.2(13)T document)
- New Feature: [RADIUS Attribute Screening](#) (12.2(4)T document)
- New Feature: [RADIUS Centralized Filter Management](#) (12.2(13)T document)
- New Feature: [RADIUS Debug Enhancements](#) (12.2(11)T document)
- New Feature: [RADIUS Logical Line ID](#) (12.2(13)T document)
- New Feature: [RADIUS Route Download](#) (12.2(8)T document)
- New Feature: [RADIUS Support of 56-Bit Acct Session-Id](#) (12.2(15)T document)
- New Feature: [RADIUS Tunnel Preference for Load Balancing and Fail-Over](#) (12.2(11)T document)
- New Feature: [Subscriber Service Switch](#) (12.2(13)T document)
- New Feature: [RADIUS Server Reorder on Failure](#) (12.3(1) document)
- Chapter: [Configuring TACACS+](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Kerberos](#) (12.2 document; also pertains to 12.3*)

Part 3: Traffic Filtering and Firewalls

- Chapter: [Access Control Lists: Overview and Guidelines](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Cisco IOS Firewall Overview](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Lock-and-Key Security \(Dynamic Access Lists\)](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring IP Session Filtering \(Reflexive Access Lists\)](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring TCP Intercept \(Preventing Denial-of-Service Attacks\)](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Context-Based Access Control](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Cisco IOS Firewall Performance Improvements](#) (12.2(8)T document)
 - New Feature: [Firewall N2H2 Support](#) (12.2(15)T document)
 - New Feature: [Firewall Stateful Inspection of ICMP](#) (12.2(15)T document)
 - New Feature: [Firewall Support for SIP](#) (12.2(15)T document)
 - New Feature: [Firewall Websense URL Filtering](#) (12.2(15)T document)
 - New Feature: [Firewall Support of Skinny Client Control Protocol \(SCCP\)](#) (12.3(1) document)
- Chapter: [Configuring Cisco IOS Firewall Intrusion Detection System](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Firewall Intrusion Detection System Signature Enhancements](#) (12.2(15)T document)
- Chapter: [Configuring Authentication Proxy](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Firewall Support of HTTPS Authentication Proxy](#) (12.2(15)T document)
 - New Feature: [Firewall Authentication Proxy for FTP and Telnet Sessions](#) (12.3(1) document)
- Chapter: [Configuring Port to Application Mapping](#) (12.2 document; also pertains to 12.3*)

Part 4: IP Security and Encryption

- Chapter: [IP Security and Encryption Overview](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring IPsec Network Security](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Ability to Disable Extended Authentication for Static IPsec Peers](#) (12.2(4)T document)
 - New Feature: [DES/3DES/AES VPN Encryption and Compression Module \(AIM-VPN/EPII & AIM-VPN/HPII\)](#) (12.2(13)T document)
 - New Feature: [DF Bit Override Functionality with IPsec Tunnels](#) (12.2(2)T document)
 - New Feature: [Distinguished Name Based Crypto Maps](#) (12.2(4)T document)
 - New Feature: [Dynamic Multipoint VPN \(DMVPN\)](#) (12.2(13)T document)
 - New Feature: [IPsec NAT Transparency](#) (12.2(13)T document)
 - New Feature: [IPsec Passive Mode](#) (12.2(13)T document)
 - New Feature: [IPsec Security Association Idle Timers](#) (12.2(15)T document)
 - New Feature: [IPsec—SNMP Support](#) (12.2(4)T document)
 - New Feature: [IPsec VPN Accounting](#) (12.2(15)T document)
 - New Feature: [IPsec VPN High Availability Enhancements](#) (12.2(11)T document)
 - New Feature: [L2TP Security](#) (12.2(4)T document)
 - New Feature: [Low Latency Queuing \(LLQ\) for IPsec Encryption Engines](#) (12.2(13)T document)
 - New Feature: [Pre-Fragmentation for IPsec VPNs](#) (12.2(13)T document)
 - New Feature: [Software IPPCP \(LZS\) with Hardware Encryption](#) (12.2(13)T document)
 - New Feature: [VPN Acceleration Module](#) (12.2(13)T document)
 - New Feature: [VRF-Aware IPsec](#) (12.2(15)T document)
- Chapter: [Configuring Certification Authority Interoperability](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Certificate Autoenrollment](#) (12.2(8)T document)
 - New Feature: [Certificate Enrollment Enhancements](#) (12.2(8)T document)
 - New Feature: [Certificate Security Attribute-Based Access Control](#) (12.2(15)T document)
 - New Feature: [Exporting and Importing RSA Keys](#) (12.2(15)T document)
 - New Feature: [Manual Certificate Enrollment \(TFTP and Cut-and-Paste\)](#) (12.2(13)T document)
 - New Feature: [Source Interface Selection for Outgoing Traffic with Certificate Authority](#) (12.2(15)T document)
 - New Feature: [Trustpoint CLI](#) (12.2(8)T document)
- Chapter: [Configuring Internet Key Exchange Security Protocol](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Advanced Encryption Standard \(AES\)](#) (12.2(13)T document)
 - New Feature: [Cisco Easy VPN Remote—Phase 1](#) (12.2(13)T document)
 - New Feature: [Cisco Easy VPN Remote Enhancements](#) (12.2(15)T document)
 - New Feature: [Easy VPN Server](#) (12.2(8)T document)
 - New Feature: [IKE: Initiate Aggressive Mode](#) (12.2(8)T document)
 - New Feature: [Multiple RSA Key Pair Support](#) (12.2(8)T document)

Part 5: Other Security Features

- Chapter: [Configuring Passwords and Privileges](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Enhanced Password Security](#) (12.2(8)T document)
 - New Feature: [Privilege Command Enhancement](#) (12.2(13)T document)
- Chapter: [Neighbor Router Authentication: Overview and Guidelines](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring IP Security Options](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Unicast Reverse Path Forwarding](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Secure Shell](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Secure Copy](#) (12.2(2)T document)
 - New Feature: [SSH Terminal-Line Access](#) (12.2(2)T document)
- Chapter: [Configuring Autosecure](#) (12.3 virtual chapter)
 - New Feature: [Autosecure](#) (12.3(1) document)

Part 6: Appendixes

- Chapter: [RADIUS Attributes](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Connect-Info RADIUS Attribute 77](#) (12.2(11)T document)
 - New Feature: [Encrypted Vendor-Specific Attributes](#) (12.2(8)T document)
 - New Feature: [Per-User QoS via AAA Policy Name](#) (12.2(15)T document)
 - New Feature: [RADIUS Attribute 8 \(Framed-IP-Address\) in Access Requests](#) (12.2(11)T document)
 - New Feature: [RADIUS Attribute 82: Tunnel Assignment ID](#) (12.2(4)T document)
 - New Feature: [RADIUS Progress Codes](#) (12.2(11)T document)
 - New Feature: [RADIUS Timeout Set During Pre-Authentication](#) (12.2(15)T document)
 - New Feature: [RADIUS Tunnel Attribute Extensions](#) (12.2(13)T document)
 - New Feature: [V.92 Reporting Using RADIUS Attribute v.92-info](#) (12.3(1) document)
- Chapter: [TACACS+ Attribute-Value Pairs](#) (12.2 document; also pertains to 12.3*)

[New-Features List and Feature Guide Book-Level PDF for Cisco IOS Security, Release 12.3](#)

Click the above link to access an alphabetically ordered new-features list and a feature guide book-level PDF for the Security technology area.

[Book Index to the Cisco IOS Security Configuration Guide, Release 12.2](#)

Click the above link to display the index of the *Cisco IOS Security Configuration Guide*, Release 12.2. This index does not include the new-feature documentation for the releases numbered 12.2 T.

Book-Level PDF for Cisco IOS Security Configuration Guide, Release 12.2

Click the above link to download the book-level PDF of the *Cisco IOS Security Configuration Guide*, Release 12.2. This book-level PDF does not include the new-feature documentation for the releases numbered 12.2 T.

*Cisco IOS Release 12.2 documents are still current for Cisco IOS Release 12.3 where not superseded by Cisco IOS Release 12.2 T and 12.3(1) new-feature documentation.