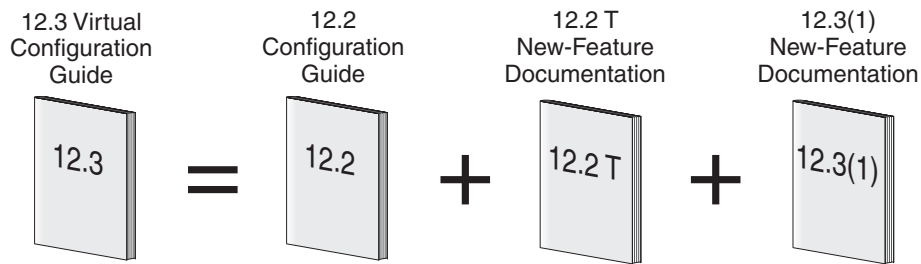


Cisco IOS Wide-Area Networking Configuration Guide, Release 12.3

The *Cisco IOS Wide-Area Networking 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: [Wide-Area Networking Overview](#) (12.2 document; also pertains to 12.3*)

Part 1: Wide-Area Networking Protocols

- Chapter: [Configuring ATM](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [ATM OAM Ping](#) (12.2(13)T document)
 - New Feature: [ATM OAM Support for F5 Continuity Check](#) (12.2(13)T document)
 - New Feature: [ATM Policing by Service Category for SVC/SoftPVC](#) (12.2(13)T document)
 - New Feature: [ATM SNMP Trap and OAM Enhancements](#) (12.2(4)T document)
 - New Feature: [ATM SVC Troubleshooting Enhancements](#) (12.2(8)T document)
 - New Feature: [DHCP Client on WAN Interfaces](#) (12.2(8)T document)
- Chapter: [Configuring Frame Relay](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Adaptive Frame Relay Traffic Shaping for Interface Congestion](#) (12.2(4)T document)
 - New Feature: [Frame Relay 64-Bit Counters](#) (12.2(4)T document)
 - New Feature: [Frame Relay MIB Enhancements](#) (12.2(4)T document)

- New Feature: [Frame Relay Point-Multipoint Wireless](#) (12.2(2)T document)
- New Feature: [Frame Relay Queueing and Fragmentation at the Interface](#) (12.2(13)T document)
- New Feature: [Frame Relay PVC Bundles with QoS Support for IP and MPLS](#) (12.2(13)T document)
- New Feature: [Frame Relay Voice-Adaptive Traffic Shaping and Fragmentation](#) (12.2(15)T document)
- New Feature: [MQC-Based Frame Relay Traffic Shaping](#) (12.2(13)T document)
- New Feature: [Multilink Frame Relay \(FRF.16\)](#) (12.2(8)T document)
- Chapter: [Configuring Frame Relay-ATM Interworking](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring SMDS](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring X.25 and LAPB](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Terminal Line Security for PAD Connections](#) (12.2(13)T document)
 - New Feature: [X.25 Annex G Session Status Change Reporting](#) (12.2(2)T document)
 - New Feature: [X.25 Dual Serial Line Management](#) (12.2(13)T document)
 - New Feature: [X.25 over TCP Profiles](#) (12.2(8)T document)
 - New Feature: [X.25 Record Boundary Preservation for Data Communications Networks](#) (12.2(8)T document)
 - New Feature: [X.25 Suppression of Security Signaling Facilities](#) (12.2(13)T document)

Part 2: Broadband Access

- Chapter: [Configuring Broadband Access: PPP and Routed Bridge Encapsulation](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [1-Port ADSL WAN Interface Card](#) (12.2(2)T document)
 - New Feature: [1-Port ADSL WAN Interface Card For Cisco 2600 Series and Cisco 3600 Series Routers](#) (12.2(4)T document)
 - New Feature: [1-Port ADSL WAN Interface for the Cisco IAD2420 Series](#) (12.2(4)T document)
 - New Feature: [1-Port G.SHDSL WAN Interface Card for Cisco 2600 Series and Cisco 3600 Series Routers](#) (12.2(8)T document)
 - New Feature: [Configuration Enhancements for Broadband Scalability](#) (12.2(13)T document)
 - New Feature: [DHCP Option 82 Support for Routed Bridge Encapsulation](#) (12.2(2)T document)
 - New Feature: [Dynamic Subscriber Bandwidth Selection](#) (12.2(13)T document)
 - New Feature: [G.SHDSL Symmetric DSL Support for Cisco IAD2420 Series IAD](#) (12.2(8)T document)
 - New Feature: [PPPoA/PPPoE Autosense for ATM PVCs](#) (12.2(4)T document)
 - New Feature: [PPPoE over Ethernet Client](#) (12.2(2)T document)
 - New Feature: [PPPoE Client DDR Idle-Timer](#) (12.2(13)T document)
 - New Feature: [PPPoE Connection Throttling](#) (12.2(15)T document)
 - New Feature: [PPPoE Profiles](#) (12.2(15)T document)
 - New Feature: [PPPoE Session-Count MIB](#) (12.2(8)T document)
 - New Feature: [PPPoE Session Limit](#) (12.2(13)T document)
 - New Feature: [Subscriber Service Switch \(SSS\)](#) (12.2(13)T document)
 - New Feature: [Support for Bridged 1483 Encapsulated Traffic over ATM SVCs](#) (12.2(15)T document)

- New Feature: [VLAN Range](#) (12.2(13)T document)
- Chapter: [Service Selection Gateway \(SSG\)](#) (12.3 virtual chapter)
 - New Feature: [Service Selection Gateway \(SSG\)](#) (12.2(8)T document)
 - New Feature: [Service Selection Gateway Accounting Update Interval Per Service](#) (12.2(13)T document)
 - New Feature: [Service Selection Gateway Hierarchical Policing](#) (12.2(13)T document)
 - New Feature: [SSG AutoDomain](#) (12.2(13)T document)
 - New Feature: [SSG Autologoff](#) (12.2(13)T document)
 - New Feature: [SSG Autologon Using Proxy Radius](#) (12.2(13)T document)
 - New Feature: [SSG Open Garden](#) (12.2 (13)T document)
 - New Feature: [SSG Port-Bundle Host Key](#) (12.2(13)T document)
 - New Feature: [SSG Prepaid](#) (12.2(13)T document)
 - New Feature: [SSG TCP Redirect for Services](#) (12.2(13)T document)

Part 3: Appendixes

- Chapter: [Frame Relay-ATM Interworking Supported Standards](#) (12.2 document; also pertains to 12.3*)
- Chapter: [X.25 Facility Handling](#) (12.2 document; also pertains to 12.3*)

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

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

[Book Index to the Cisco IOS Wide-Area Networking Configuration Guide, Release 12.2](#)

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

[Cisco IOS Wide-Area Networking Configuration Guide, Release 12.2](#)

Click the above link to view the *Cisco IOS Wide-Area Networking Configuration Guide*, Release 12.2. This guide 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.