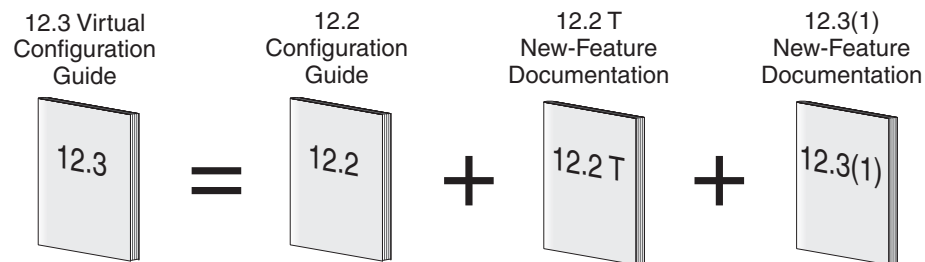


Cisco IOS Switching Services Configuration Guide, Release 12.3

The *Cisco IOS Switching Services 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: [Cisco IOS Switching Services Overview](#) (12.2 document; also pertains to 12.3*)

Part 1: Cisco IOS Switching Paths

- Chapter: [Cisco IOS Switching Paths Overview](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [16- and 36-Port Ethernet Switch Module for Cisco 2600 Series, Cisco 3600 Series, and Cisco 3700 Series](#) (12.2(11)T document)
 - New Feature: [CNS Flow-Through Provisioning](#) (12.2(8)T document)
 - New Feature: [MQC-Based Frame Relay Traffic Shaping](#) (12.2(13)T document)
- Chapter: [Configuring Fast Switching](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Cisco Express Forwarding Overview](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [BGP Policy Accounting](#) (12.2(13)T document)
 - New Feature: [CEF-Switched Multipoint GRE Tunnels](#) (12.2(8)T document)
 - New Feature: [Nonstop Forwarding Enhanced FIB Refresh](#) (12.2(8)T document)
 - New Feature: [VoIP Interoperability with Cisco Express Forwarding and Policy Based Routing](#) (12.2(11)T document)

- Chapter: [Configuring Cisco Express Forwarding](#) (12.2 document; also pertains to 12.3*)

Part 2: NetFlow

- Chapter: [NetFlow Overview](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [NetFlow Multiple Export Destinations](#) (12.2(2)T document)
 - New Feature: [NetFlow Subinterface Support](#) (12.2(15)T document)
 - New Feature: [NetFlow ToS-Based Router Aggregation](#) (12.2(4)T document)
 - New Feature: [NetFlow BGP Next Hop Support](#) (12.3(1) document)
 - New Feature: [NetFlow Multicast Support](#) (12.3(1) document)
 - New Feature: [NetFlow v9 Export Format](#) (12.3(1) document)
- Chapter: [Configuring NetFlow](#) (12.2 document; also pertains to 12.3*)

Part 3: Multiprotocol Label Switching

- Chapter: [Multiprotocol Label Switching Overview](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [Any Transport over MPLS \(AToM\)](#) (12.2(15)T document)
 - New Feature: [BGP Multipath Load Sharing for Both eBGP and iBGP in an MPLS VPN](#) (12.2(11)T document)
 - New Feature: [DHCP Server-On-Demand Address Pool Manager](#) (12.2(8)T document)
 - New Feature: [Dialer Map VRF-Aware for an MPLS VPN](#) (12.2(8)T document)
 - New Feature: [Diff-Serv-aware MPLS Traffic Engineering](#) (12.2(4)T document)
 - New Feature: [MPLS DiffServ Tunneling Modes](#) (12.2(13)T document)
 - New Feature: [“Implementing IPv6 over MPLS” chapter in IPv6 for Cisco IOS Software](#)
 - New Feature: [MPLS Label Distribution Protocol](#) (12.2(8)T document)
 - New Feature: [MPLS Label Distribution Protocol \(LDP\) MIB](#) (12.2(13)T document)
 - New Feature: [MPLS Label Switch Controller and Enhancements](#) (12.2(4)T document)
 - New Feature: [MPLS Label Switching Router MIB](#) (12.2(2)T document)
 - New Feature: [MPLS QoS Multi-VC Mode for PA-A3](#) (12.2(4)T document)
 - New Feature: [MPLS Traffic Engineering \(TE\)—Automatic Bandwidth Adjustment for TE Tunnels](#) (12.2(4)T document)
 - New Feature: [MPLS Traffic Engineering \(TE\)—IP Explicit Address Exclusion](#) (12.2(4)T document)
 - New Feature: [MPLS Traffic Engineering \(TE\) MIB](#) (12.2(8)T document)
 - New Feature: [MPLS Virtual Private Networks \(VPNs\)](#) (12.2(13)T document)
 - New Feature: [MPLS VPN Carrier Supporting Carrier](#) (12.2(8)T document)
 - New Feature: [MPLS VPN Carrier Supporting Carrier—IPv4 BGP Label Distribution](#) (12.2(13)T document)
 - New Feature: [MPLS VPN ID](#) (12.2(8)T document)
 - New Feature: [MPLS VPN Inter-AS—IPv4 BGP Label Distribution](#) (12.2(13)T document)
 - New Feature: [MPLS VPN—MIB Support](#) (12.2(15)T document)

- New Feature: [MPLS VPN - SNMP Notifications](#) (12.2(13)T document)
- New Feature: [OSPF Sham-Link Support for MPLS VPN](#) (12.2(8)T document)
- New Feature: [SA Agent Support for Frame Relay, VoIP, and MPLS VPN Monitoring](#) (12.2(2)T document)
- New Feature: [SNMP Support for VPNs](#) (12.2(2)T document)
- Chapter: [Configuring Multiprotocol Label Switching](#) (12.2 document; also pertains to 12.3*)

Part 4: Multilayer Switching

- Chapter: [Multilayer Switching Overview](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring IP Multilayer Switching](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring IP Multicast Multilayer Switching](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring IPX Multilayer Switching](#) (12.2 document; also pertains to 12.3*)

Part 5: Multicast Distributed Switching

- Chapter: [Configuring Multicast Distributed Switching](#) (12.2 document; also pertains to 12.3*)

Part 6: Virtual LANs

- Chapter: [Routing Between VLANs Overview](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [VLAN Range](#) (12.2(13)T document)
- Chapter: [Configuring Routing Between VLANs with ISL Encapsulation](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Routing Between VLANs with IEEE 802.10 Encapsulation](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Routing Between VLANs with IEEE 802.1Q Encapsulation](#) (12.2 document; also pertains to 12.3*)

Part 7: LAN Emulation

- Chapter: [LAN Emulation Overview](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [SNMP Trap Support for the VSI Master MIB](#) (12.2(2)T document)
- Chapter: [Configuring LAN Emulation](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Token Ring LAN Emulation](#) (12.2 document; also pertains to 12.3*)
- Chapter: [MPOA Overview](#) (12.2 document; also pertains to 12.3*)
 - New Feature: [MPLS Diff-Serv-aware Traffic Engineering over ATM](#) (12.2(8)T document)
- Chapter: [Configuring the MPOA Client](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring the MPOA Server](#) (12.2 document; also pertains to 12.3*)
- Chapter: [Configuring Token Ring LAN Emulation for MPOA](#) (12.2 document; also pertains to 12.3*)

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

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

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

Click the above link to display the index of the *Cisco IOS Switching Services 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 Switching Services Configuration Guide, Release 12.2](#)

Click the above link to download the book-level PDF of the *Cisco IOS Switching Services 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.