

Aggregation switches support MPLS



Overview

H3C S7500X switch series supports Multi-VRF function, which can be used as MCE equipment supporting L3 MPLS VPN and L2 MPLS VPN (Martini and Kompella). It also supports MPLS OAM function, which brings easier management and maintenance. H3C S7500X switch series supports Multi-VRF function, which can be used as MCE equipment supporting L3 MPLS VPN and L2 MPLS VPN (Martini and Kompella). It also supports MPLS OAM function, which brings easier management and maintenance. Working with H3C intelligent Management Centre (iMC) MPLS VPN Manager allows easy MPLS deployment and maintenance. H3C S7500X switch series is the first of its kinds in the industry to support wire speed performance for high density 10G/40G/100G line cards and can meet the existing and future application requirements of enterprise network. Supports max. 48 port 10G wire speed interface line card Supports max. 12 port 40G wire speed interface line card Supports. IRF2 can virtualize up to four S7500X switches into one logical IRF fabric. IRF2 delivers the following benefits: High Availability (HA) - Patented hot standby technology to provide data backup and non-stop forwarding on the control plane and data plane. This improves availability, performance, eliminates single-point failures and ensures service c. MDC virtualizes one S7500X switch into multiple logical switches, enabling multiple services to share one core switch. The 1:N virtualization maximizes switch utilization, reduces network TCO, and ensures isolation of services. EVI is a MAC-in-IP technology that provides Layer 2 connectivity between distant Layer 2 network sites across an IP routed network. It is used for connecting geographically dispersed sites of a virtualized large-scale data center that requires Layer 2 adjacency. VXLAN (Virtual Extensible LAN) — VXLAN uses a MAC-in-UDP encapsulation method where the.

Article Content

Sep 15, 2025

Multiprotocol Label Switching Configuration Guide, Cisco IOS XE

This awareness of label bindings by neighboring switches is facilitated by the following protocols: Label Distribution Protocol (LDP)--enables peer LSRs in an MPLS network to exchange

Apr 07, 2026

MPLS Overview | Junos OS | Juniper Networks

MPLS is a fully implemented protocol on routers, while switches support a subset of the MPLS features. The limitations of each switch are listed in a separate section

Nov 01, 2025

Multiprotocol Label Switching Configuration Guide,

About Hierarchical VPLS with MPLS Access Features that Support Hierarchical VPLS with MPLS Access Configuration About Hierarchical VPLS

Feb 12, 2026

Multiprotocol Label Switching (MPLS) Configuration Guide, Cisco IOS

Architecture for Seamless MPLS The figure shows a network with three different areas: one core and two aggregation areas on the side. Each area runs its own IGP, with no redistribution

Jul 28, 2025

X670-G2 | Extreme Networks

Full ExtremeXOS® feature set supporting switching, routing, SDN, Data Center Bridging, MPLS, and Audio Video Bridging Controlling aggregation switch for

May 15, 2026

MPLS Configuration Guide, Cisco IOS XE 17.x

Service providers aim at using MPLS-TP to support the following deployment scenarios: Ethernet services, mobile backhaul, Asynchronous Transfer Mode (ATM) aggregation replacement,

Jan 16, 2026

Multiprotocol Label Switching

MPLS can encapsulate packets of various network protocols and supports a range of access technologies, including T1 / E1, ATM, Frame Relay, and DSL. MPLS was originally developed to

Jun 21, 2026

MPLS Overview | Junos OS | Juniper Networks

MPLS is supported on switches with a subset of the commands supported on routers. The Junos MPLS-configured switches can interact with each other and

May 01, 2026

Overview of Seamless MPLS

Seamless Multiprotocol Label Switching (MPLS) is a bearer technology that extends MPLS to access networks. Seamless MPLS establishes an end-to-end label switched path (E2E LSP) across the

Jul 16, 2025

What Is Multiprotocol Label Switching? Explore

Multiprotocol label switching (MPLS) is a packet-based technology that improves data routing in complex networks. Discover its benefits and

Jun 08, 2026

Cisco Nexus 9000 Series NX-OS System Management Configuration

Configuring TAP Aggregation and MPLS Stripping TAP aggregation has the following guidelines and limitations: TAP aggregation: Supported on all Cisco Nexus 9000 Series switches and

May 17, 2026

MPLS Basic MPLS Configuration Guide

Feature Information for IPv6 Switching: Provider Edge Router over MPLS The following table provides release information about the feature or

Oct 21, 2025

Chapter: Configuring Multiprotocol Label Switching (MPLS)

This awareness of label bindings by neighboring switches is facilitated by the following protocols: Label Distribution Protocol (LDP)--enables peer LSRs in an MPLS network to exchange

Dec 02, 2025

Unified MPLS Configuration Example

This document describes the purpose of Unified Multiprotocol Label Switching (MPLS) and provides a configuration example.

Nov 27, 2025

Multiprotocol Label Switching (MPLS) Configuration Guide, Cisco IOS

MPLS support is offered for all Layer 3 protocols, and scaling is possible well beyond that typically offered in today's networks. Functional Description of Multiprotocol Label Switching Label

Apr 17, 2026

MPLS Basic MPLS Configuration Guide

MPLS supports the creation of different routes between a source and a destination on a purely router-based Internet backbone. By incorporating MPLS into their network architecture,

Oct 23, 2025

Tap Aggregation & MPLS Stripping Configuration Guide

Configure Tap Aggregation and MPLS Stripping on Cisco Nexus 3000 Series switches. Learn about network taps, MPLS, and configuration steps.

Oct 15, 2025

H3C S7500X Enterprise Core Switch Series-H3C

Beginning with Cisco NX-OS Release 9.2 (1), TAP aggregation filters on MPLS tags are supported on the following Cisco Nexus platform switches: Cisco Nexus 9000 platform switches,

Nov 06, 2025

Chapter: Configuring Seamless MPLS

A large MPLS network can have several types of platforms and services in different parts of the network. Such a network would usually be divided into areas such as a core area and

Jun 13, 2026

NSS5810 Series L3 MPLS Aggregation Switch Datasheet

The NSS5810 series switch also support M-LAG, aggregating links of multiple switches to ensure link backup and uninterrupted services during upgrade.

Dec 01, 2025

Multiprotocol Label Switching

Multiprotocol Label Switching Multiprotocol Label Switching (MPLS) is a routing technique in telecommunications networks that directs data from one node to the next based on labels rather than

Mar 24, 2026

Configuring TAP Aggregation and MPLS Stripping

Beginning with Cisco NX-OS Release 7.0(3)I5(2), TAP aggregation supports IPv4 ACLs with UDF-based match for Cisco Nexus 9200, 9300, and 9300-EX platform switches.

Nov 19, 2025

What is MPLS?

Multiprotocol label switching (MPLS) is a technology designed to enhance the speed and efficiency of data forwarding across large networks

Feb 22, 2026

Understanding MPLS-TP and Its Benefits

This paper provides an overview of Multiprotocol Label Switching - Transport Profile (MPLS-TP), with information on its standardization, how IP/MPLS and MPLS-TP

Aug 27, 2025

Cisco Nexus 9000 Series NX-OS System Management Configuration

Configuring TAP Aggregation and MPLS Stripping Supported on all Cisco Nexus 9000 Series switches and the 3164Q, 31128PQ, 3232C, and 3264Q switches. Supported on 100G ports.

Dec 14, 2025

Cisco Nexus 9000 Series NX-OS System Management Configuration

Beginning with Cisco NX-OS Release 9.2 (1), TAP aggregation filters on MPLS tags are supported on the following Cisco Nexus platform switches: Cisco Nexus 9000 platform switches,

Contact Us

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