



About This Guide

Objective

This guide details the failure scenarios and observations reported by the Cisco MPLS Diagnostics Expert (MDE) application for Cisco IP Solution Center (ISC) 5.1. It also lists all IOS and IOS XR commands executed by the troubleshooting workflows.

This preface defines the following:

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Audience

This guide is designed for network managers and operators who are responsible for deploying, managing, and troubleshooting MPLS VPNs within your network. The network manager and operators should be familiar with the following topics:

- Basic concepts and terminology used in internetworking
- MPLS terms and technology
- Network topologies and protocols

Organization

This guide contains the following chapters:

- [Chapter 1, “Failure Scenarios”](#)
- [Chapter 2, “Observations”](#)
- [Chapter 3, “Commands”](#)

Related Documentation

The entire documentation set for Cisco IP Solution Center, 5.1 can be accessed at:

http://www.cisco.com/en/US/products/sw/netmgts/ps4748/tsd_products_support_series_home.html



Tip

To cut and paste a two-line URL into the address field of your browser, you must cut and paste each line separately to get the entire URL without a break.

The following documents comprise the ISC 5.1 documentation set.

General documentation (in suggested reading order)

- *Cisco IP Solution Center Getting Started and Documentation Guide, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/roadmap/docguide.html
- *Release Notes for Cisco IP Solution Center, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/release/notes/relnotes.html
- *Cisco IP Solution Center Installation Guide, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/installation/guide/installation.html
- *Cisco IP Solution Center Infrastructure Reference, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/infrastructure/reference/guide/infrastructure.html
- *Cisco IP Solution Center System Error Messages, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/system/messages/messages.html

Application and technology documentation (listed alphabetically)

- *Cisco IP Solution Center Carrier Ethernet and L2VPN User Guide, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/carrier_ethernet/user/guide/l2vpn51book.html
- *Cisco IP Solution Center MPLS VPN User Guide, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/mpls_vpn/user/guide/mpls51book.html
- *Cisco IP Solution Center Traffic Engineering Management User Guide, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/traffic_management/user/guide/tem.html
- *Cisco MPLS Diagnostics Expert 2.1.3 Failure Scenarios Guide on ISC 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/mpls_failure_scenarios/user/guide/mdefs.html
- *Cisco MPLS Diagnostics Expert 2.1.3 User Guide on ISC 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/mpls_diagnostics/user/guide/mdeuser.html

API Documentation

- *Cisco IP Solution Center API Programmer Guide, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/developer/guide/api-gd.html
- *Cisco IP Solution Center API Programmer Reference, 5.1.*
http://www.cisco.com/en/US/docs/net_mgmt/ip_solution_center/5.1/developer/reference/xmlapi.zip

**Note**

All documentation *might* be upgraded over time. All upgraded documentation will be available at the same URLs specified in this document.

Technology-Related Documentation

- Cisco MPLS Embedded Management web page
http://www.cisco.com/en/US/partner/tech/tk436/tk892/tech_brief09186a00801f4a8d.html
- Cisco Multiprotocol Label Switching Management Strategy
http://www.cisco.com/en/US/tech/tk436/tk892/tech_brief0900aecd800f6e31.html
- Cisco MPLS Embedded Management Q&A
http://www.cisco.com/en/US/partner/tech/tk436/tk892/technologies_q_and_a_item09186a00801f4a62.shtml

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

