



Cisco MPLS Diagnostics Expert 2.0

Product Overview

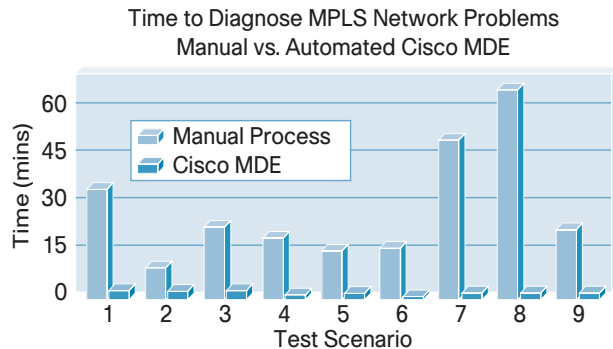
Cisco®, through the development and launch of Cisco MPLS Diagnostics Expert, demonstrates its continuing commitment to provide expanded operation, administration, and maintenance (OAM) capabilities. Cisco MPLS Diagnostics Expert is a breakthrough application that substantially reduces the operational costs of managing a Multiprotocol Label Switching (MPLS) network environment.

Cisco MPLS Diagnostics Expert reduces the time for diagnosing complex MPLS outages from hours to minutes. It dramatically improves the reliability and availability of the network, thereby making the network a tool through which greater revenues can be generated and greater profitability can be realized.

Automated Diagnostics are 10 to 20 Times Faster than Manual Diagnostics

The Miercom independent testing report¹ results summarized in Figure 1 show that using Cisco MPLS Diagnostic Expert dramatically and consistently reduces the time required to diagnose network problems. Results are 10 to 20 times faster than when an experienced MPLS engineer uses a manual process.

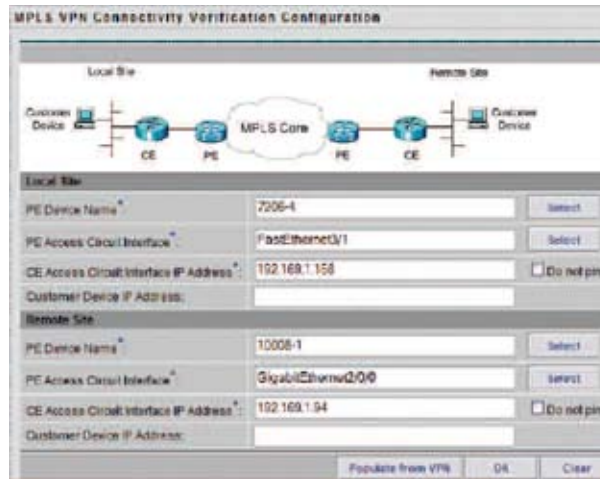
Figure 1. Process Comparison



Simple and Easy to Use

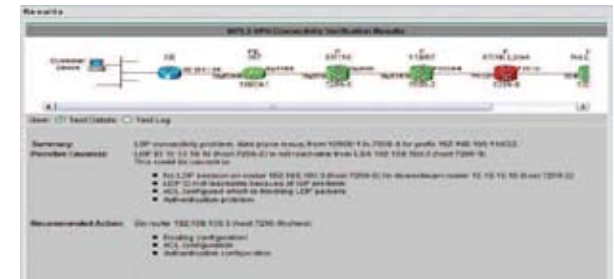
Cisco MPLS Diagnostics Expert features an easy-to-use graphical user interface (GUI) that presents a simple input screen (Figure 2) requiring only six pieces of VPN information.

Figure 2. Input Screen



Cisco MPLS Diagnostics Expert produces the finding in a results screen (Figure 3) that graphically illustrates the problem location. It also summarizes the nature of the problem and how it can be fixed. It provides all troubleshooting step details, including all Cisco IOS® Software command-line interactions.

Figure 3. Results Screen



Intelligent Standards-Based Application

Cisco MPLS Diagnostics Expert can be used to diagnose problems even when no physical fault alarm has been generated or detected, as is the case with many configurations or logical setup errors.

Cisco MPLS Diagnostics Expert uses the Internet Engineering Task Force (IETF) standardized MPLS OAM tools embedded in Cisco IOS Software. Cisco IOS Software supports problem-localization mechanisms such as Virtual Route Forwarding (VRF), Label Switched Path (LSP) and Label Distribution Protocol (LDP) ping and trace, etc.

The application's unique and differentiated value comes from capturing the expert knowledge from experienced Cisco MPLS technical support engineers and developing a reliable and easy-to-use automated workflow application. Cisco MPLS Diagnostics Expert significantly reduces mean time to repair (MTTR) to help customers minimize their operating expenses and maximize their network performance.

For More Information

E-mail mde@cisco.com, visit www.cisco.com/go/mde, or contact your local account representative.