

Part 2

Working with Problems on Your Network

The layered Multiprotocol Label Switching (MPLS) troubleshooting model is a disciplined approach to investigating problems with an MPLS network. Part 2 describes and illustrates the layers in the model, and the commands you can use to structure your investigation.

An example MPLS network topology is broken at various points in the network to illustrate problems at different layers of the network. The problems presented are not inclusive and only serve to illustrate one possible process of investigation into the different model layers.

The following information is covered:

- Working with the Layered MPLS Troubleshooting Model on page 85
- Verifying the Physical Layer on page 93
- Checking the Data Link Layer on page 101
- Verifying the IP and IGP Layers on page 113
- Checking the RSVP Layer on page 147
- Checking the MPLS Layer on page 161
- Checking the BGP Layer on page 179

