



## Implementing Cisco MPLS

**Code:** MPLS-SP-3.1

**URL:** [View Online](#)

This is a self-study technical course that covers Multiprotocol Label Switching (MPLS), a high-performance method for forwarding packets through a network. MPLS enables routers at the edge of a network to apply simple labels to packets. This practice allows the edge devices - ATM switches or existing routers in the center of the service provider core - to switch packets according to labels, with minimal lookup overhead. MPLS integrates the performance and traffic-management capabilities of data link Layer 2 with the scalability and flexibility of network Layer 3 routing. When used in conjunction with other standard technologies, MPLS allows service providers the ability to support value-added features that are critical for their networks. Implementing Cisco MPLS (MPLS) v3.0 is recommended (although not required) training for individuals seeking CCNP Service Provider certification. The focus of this course is on MPLS technology issues (as those issues apply to service providers) and on how to configure new features and functions in an existing routed environment. This new Cisco self-paced course is designed to be as effective as classroom training. Course content is presented in easily-consumable segments via both Instructor Video and text. Interactivity is enabled through Discovery Labs, content review questions, and graded Challenge Labs and Tests. This makes the learning experience hands-on, increasing course effectiveness, and provides students direct feedback on how well they have mastered the material. Gamification features are built in, including earning badges, achievements, and a leaderboard, to encourage better performance.

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