

Understanding and Deploying Cisco Routed Optical Networking (CPLL-SPRON)

Duration: 180 Days

The Understanding and Deploying Cisco Routed Optical Networking (SPRON) training gets you ready to explore the future of networking with Routed Optical Networks (RON). This training takes you step-by-step through the evolution of optical networks and shows how RON simplifies complex architectures by combining IP and optical layers. You'll learn about the key hardware and technologies that power RON, understand its architecture and topologies, and see how advanced routing protocols make it all work seamlessly. Plus, you'll dive into tools and strategies for managing, automating, and securing these modern networks. By the end of this journey, you'll have the knowledge to build and manage efficient, scalable, and future-ready networks.

This training also earns you 3 Continuing Education (CE) credits toward recertification.

Skills You'll Learn:

- Discover how RON simplifies traditional network architectures for better scalability and efficiency
- Learn about the cutting-edge hardware, including routers and optics, that power RON's high-performance networks
- Explore how RON integrates IP and optical layers with adaptable topologies for modern network demands
- Understand the role of advanced routing protocols in optimizing traffic and simplifying RON operations
- Discover transport technologies like MPLS and segment routing that drive RON's scalability and resilience
- Discover RON management with Cisco's tools for automation, monitoring, and securing modern networks

Learning Path Objectives:

- Understand the evolution and benefits of RON
- Learn about the hardware components that enable RON's high performance and scalability
- Explore RON architecture, topologies, and integration of IP and optical layers
- Explore routing protocols and their role in optimizing RON operations
- Discover transport technologies that enhance RON's efficiency and resilience
- Explore tools and strategies for managing, automating, and securing RON networks