Understanding and Deploying Cisco Routed Optical Networking (SPRON)

Description

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.

How you'll benefit

This training will help you:

- Learn tools and strategies for managing, automating, and securing RON
- Gain skills to build and manage efficient, scalable, and future-ready networks
- Qualify for professional-level optical networking job roles
- Earn 3 CE credits toward recertification

Who should enroll

- System Engineers
- Technical Support Personnel
- Channel Partners and Resellers
- Dense wavelength-division multiplexing (DWDM) Technicians
- Network Engineers working with Service Providers

Technology areas

- Networking
- Service Provider

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

Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Knowledge of general networking concepts and DWDM

Outline

- Overview of Routed Optical Networks
- RON Hardware Components
- RON Architecture and Topologies
- Routing Protocols and Their Specifics in RON
- RON Transport Technologies
- Management and Operations in RON

Link

- [Cisco U. Learning Path](#)