
CONFIGURING ROUTERS FOR IS-IS (CI-ISIS)

Pre-requisitos

Experience in designing and deploying IS-IS based OSI solutions and Integrated IS-IS based solutions

Dirigido a

System and support engineers who are preparing to deploy, implement and maintain OSI routing services using IS-IS, and design and implement Integrated IS-IS IP in complex network scenarios

Objetivos del curso

The course moves from an overview of IS-IS technology, its structures and protocols as well as configuration examples to in-depth information on Integrated IS-IS. After completing this course the student should be able to:

- Describe the principles, concepts and data structures of link-state routing protocols
- List the prerequisites for the implementation of the IS-IS routing model in a network
- List the types of IS-IS routers and determine their positions in the network
- Realize the principle of area routing
- Explain the purpose of Integrated IS-IS
- Configure, monitor and troubleshoot a simple IS-IS network
- Explain the specifics of switched WAN networks that can influence IS-IS deployment and operation
- Differentiate IS-IS NBMA modeling solutions in switched WAN networks
- Optimize flooding of IS-IS updates in switched WAN networks
- Understand the deployment issues of Integrated IS-IS
- Design and implement integrated IS-IS in real and differing networking environments

Contenido

- The course moves from an overview of IS-IS technology, its structures and protocols as well as configuration examples to in-depth information on Integrated IS-IS.
- Introductory Chapter
- Overview of IS-IS Technologies, Structures and Protocols
- In-Depth Details of Integrated IS-IS
- IS-IS Deployment in Different WAN Environments
- Integrated IS-IS Routing Designs
- IS-IS Lab Exercises