

How to Implement and Configure the IS-IS Protocol

This intermediate training teaches how to implement and configure the IS-IS (Intermediate System to Intermediate System) protocol for large-scale, efficient routing decisions. Ideal for network professionals, it covers router neighbor identification, topology management, and efficient route selection. Perfect for onboarding network admins and enhancing Cisco skills for scalable network operations.

[CBT Nuggets course material](#) →

WEEK 1

IS-IS Overview

151 min.

Intro	1
Introduction to IS-IS	10
IS-IS Hierarchy	10
Describe IS-IS Design Concepts	11
IS-IS Addressing	10
IS-IS Best Path Selection	7
Review and Quiz	4

IS-IS Operations

Overview	1
Intro	1
Adjacency Overview	12
Packet Types	12
DIS Operation	8
Link-State Database	13
Review and Quiz	3

IS-IS Implementation

Overview	1
Intro	1
Planning the Deployment	12
Implement the Backbone Area	15
Configure An Additional Area	10
Redundancy in Transit Areas	7

WEEK 2

71 min.

Summarization and External Routes	10
Review and Quiz	3
Configure IPv6 Support and Troubleshoot IS-IS	
Overview	1
Intro	1
IPv6 Review	14
Explore IPv6	6
IS-IS IPv6 Support	9
Configure IS-IS Area for IPv6	8
Multi-Area and External IPv6 Routing	9
Troubleshooting IS-IS	4
Review and Quiz	4