

CCNP ENCOR Exam Preparation

4 Days

DURATION

4

MODULES

8

TOPICS

COURSE OVERVIEW

This instructor-led Live Virtual Training delivers focused, practical preparation for the CCNP ENCOR exam through guided instruction, demonstrations, and hands-on labs. This five-day Live Virtual Training (LVT) is designed for individuals pursuing the Cisco CCNP ENCOR certification. The course provides an in-depth exploration of essential enterprise networking concepts and their real-world implementation. Throughout the session, learners participate in instructor-led demonstrations and hands-on labs covering switching fundamentals, advanced routing protocols, enterprise services, and introductory automation concepts. The training balances theory and practice to help students confidently apply what they learn in operational environments and on the CCNP ENCOR exam. Topics include VLANs, VTP, Spanning Tree, EtherChannels, routing with EIGRP, OSPF, and BGP, IP SLAs, First Hop Redundancy Protocols, NAT, Multicast, and introductory automation using Python, JSON, and APIs.

WHO THIS COURSE IS FOR

- This Live Virtual Training is designed for networking professionals preparing for the CCNP Enterprise Core (ENCOR) certification or seeking to strengthen their enterprise networking skills.
- Network engineers pursuing CCNP Enterprise certification
- IT professionals working with enterprise switching and routing environments
- Engineers looking to expand skills across routing, services, and automation
- CCNA-level practitioners ready to advance to professional-level networking

PREREQUISITES

- Have Cisco CCNA-level knowledge
- Proficiency with the Cisco IOS CLI
- 4-6 months of Self-Study prior to the LVT

4 Modules, 8 Topics

01

Switching & Layer 2 Design

TOPICS

- Configure and troubleshoot VLANs, VTP, trunking, Spanning Tree, MSTP, and EtherChannels
- Design efficient and resilient Layer 2 network topologies

02

Routing & Layer 3 Technologies

TOPICS

- Configure and implement EIGRP, OSPF, and BGP
- Apply routing protocols to real-world enterprise scenarios

03

Enterprise Services & High Availability

TOPICS

- Implement IP SLAs, NAT, and Multicast
- Configure First Hop Redundancy Protocols (HSRP, VRRP, GLBP) for network resiliency

04

Automation Fundamentals

TOPICS

- Understand automation concepts using Python and JSON
- Explore APIs and automation workflows for enterprise network management

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

✉ info@koenig-solutions.com