



CCNP Enterprise

To earn CCNP Enterprise, pass two exams: a core exam and an enterprise concentration exam of your choice.

Required Exam

Core Exam

350-401 Implementing and Operating Cisco Enterprise Network
ENCOR Core Technologies (ENCOR)

Concentration Exams (choose one)

300-410 Implementing Cisco Enterprise Advanced Routing and
ENARSI Services (ENARSI)

300-415 Implementing Cisco SD-WAN Solutions (SDWAN300)
ENSDWI

300-420 Designing Cisco Enterprise Networks (ENSLD)
ENSLD

300-425 Designing Cisco Enterprise Wireless Networks (ENWLSLSD)
ENWLSLSD

300-430 Implementing Cisco Enterprise Wireless Networks
ENWLSI (ENWLSI)

300-435 Implementing Automation for Cisco Enterprise Solutions
ENAUTO (ENAU)

Outline

- Examining Cisco Enterprise Network Architecture
- Understanding Cisco Switching Paths
- Implementing Campus LAN Connectivity
- Building Redundant Switched Topology
- Implementing Layer 2 Port Aggregation
- Understanding EIGRP
- Implementing OSPF
- Optimizing OSPF
- Exploring EIGRP
- Implementing Network Redundancy
- Implementing NAT
- Introducing Virtualization Protocols and Techniques
- Understanding Virtual Private Networks and Interfaces
- Understanding Wireless Principles

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Outline

- Examining Wireless Deployment Options
- Understanding Wireless Roaming and Location Services
- Examining Wireless AP Operation
- Understanding Wireless Client Authentication
- Troubleshooting Wireless Client Connectivity
- Introducing Multicast Protocols
- Introducing QoS
- Implementing Network Services
- Using Network Analysis Tools
- Implementing Infrastructure Security
- Implementing Secure Access Control
- Understanding Enterprise Network Security Architecture
- Exploring Automation and Assurance Using Cisco DNA Center
- Examining the Cisco SD-Access Solution
- Understanding the Working Principles of the Cisco SD-WAN Solution
- Understanding the Basics of Python Programming
- Introducing Network Programmability Protocols
- Introducing APIs in Cisco DNA Center and vManage