



Solutions

Security

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Strategies

SEC-CONCEPTS
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CCNA: Enterprise Networking, Security, and Automation (ENSA)

OVERVIEW:

The final course in the CCNA series covers the architecture, security, and operation of an enterprise network, along with introducing the new ways in which network engineers interact with programmable infrastructure.

BENEFIT:

Gain skills to configure and troubleshoot enterprise networks, learn to identify and protect against cybersecurity threats, and discover key concepts of software-defined networking, including controller-based architectures and application programming interfaces (APIs).

PREREQUISITE: None

CAREER OPTIONS:

- ✓ Develop skills for entry-level networking jobs
- ✓ Prepare for CCNA certification exam
- ✓ Fulfill prerequisites to pursue more specialized networking skills

Course Delivery: Instructor-led

Learning Component Highlights:

- ✓ 14 modules and 12 practice labs
- ✓ 29 Cisco Packet Tracer activities
- ✓ 100+ interactive activities, videos, & quizzes
- ✓ 1 practice certification exam

Course Recognitions: Certificate of Completion, Letter of Merit, Digital Badge

Recommended Next Course: CCNP Enterprise: Core Networking (ENCOR)

Course Outline:

- ✓ Single-Area OSPFv2 Concepts
- ✓ Single-Area OSPFv2 Configuration
- ✓ Network Security Concepts
- ✓ ACL Concepts
- ✓ ACLs for IPv4 Configuration
- ✓ NAT for IPv4
- ✓ WAN Concepts
- ✓ VPN and IPSec Concepts
- ✓ QoS Concepts
- ✓ Network Management
- ✓ Network Design
- ✓ Network Troubleshooting
- ✓ Network Virtualization
- ✓ Network Automation