CCNP Enterprise Professional

Course Overview:

- Manage the biggest networks.
- Configure, troubleshoot, and manage the networks of the largest companies in the world. When you earn your CCNP Enterprise certification, you're proving that you can scale and maintain enterprise networks to ensure they can continue to meet growing demand.
- Showcase your knowledge of enterprise infrastructure, virtualization, assurance, security, and automation on the ENCOR exam and showcase your specialist skills in a concentration exam of your choice. Pass both exams to earn your certification.
- Achieving CCNP Enterprise certification proves your skills with enterprise networking solutions. To earn CCNP Enterprise certification, you pass two exams: one that covers core enterprise technologies and one concentration exam of your choice, so you can customize your certification to your technical area of focus.

Why CCNP Enterprise Professional Certifications ?

Empower the world's biggest networks with CCNP Enterprise.

Showcase your knowledge of enterprise infrastructure, virtualization, assurance, security, and automation on the ENCOR exam and showcase your specialist skills in a concentration exam of your choice.

Audience Profile :

- Mid-level network engineers
- Network administrators
- Network support technicians
- Help desk technicians

Prerequisites:

- Implementation of Enterprise LAN networks.
- Basic understanding of Enterprise routing and wireless connectivity.

In this Learning path

1. **Cisco CCNP – Core Technologies ENCOR**
2. **CCNP Enterprise – Advanced Routing and Services ENARSI**
3. **CCNP Enterprise – SD-WAN Solutions ENSDWI**
4. **CCNP Enterprise Designing Networks ENSLD**
5. **CCNP Enterprise Designing Wireless Networks ENWLSD**
6. **CCNP Enterprise – Implementing Wireless Networks ENWLSI**

Cisco CCNP – Core Technologies ENCOR 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 EBGP
- Implementing Network Redundancy
- Implementing NAT
- Introducing Virtualization Protocols and Techniques
- Understanding Virtual Private Networks and Interfaces
- Understanding Wireless Principles
- 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

CCNP Enterprise – Advanced Routing and Services ENARSI Outline:

- Implementing Internal Border Gateway Protocol (IBGP)
- Optimizing BGP
- Implementing MP-BGP
- Troubleshooting BGP
- Configuring Redistribution
- Troubleshooting Redistribution
- Implementing Path Control
- Exploring MPLS
- Introducing MPLS L3 VPN Architecture
- Introducing MPLS L3 VPN Routing
- Configuring Virtual Routing and Forwarding (VRF)-Lite
- Implementing DMVPN
- Implementing DHCP
- Troubleshooting DHCP
- Introducing IPv6 First Hop Security
- Securing Cisco Routers
- Troubleshooting Infrastructure Security and Services
- Implementing EIGRP
- Optimizing EIGRP
- Troubleshooting EIGRP
- Implementing OSPF
- Optimizing OSPF
- Troubleshooting OSPF

Training Solutions:

√ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

√ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

Why Learners Prefer CLS as their Training Services provider ?

■ Premuim Training Services Accredited from Global Technology Vendors.

■ Best Rated Experts & Certified Trainers in Egypt.

■ Official Training Hours, Practice Labs, Hands-on Learning.

■ CLS Training Classrooms are designed with High Edge PCs and Training Facilities.

■ Return on Training Investment is Guaranteed to boost performance.

CCNP Enterprise – SD-WAN Solutions ENSDWI Outline:

- Examining the Cisco SD WAN Architecture
- Examining Cisco SD-WAN Deployment Options
- Deploying WAN Edge Devices
- Onboarding WAN Edge Devices with ZTP and PnP
- Using Device Configuration Templates
- Exploring Redundancy, High Availability, and Scalability
- Enabling Service-Side and Transport-Side Routing
- Understanding Cisco SD-WAN Policy Configuration Basics
- Defining Advanced Control Policies
- Implementing AAR
- Examining Direct Internet Access and Cloud Deployment Options
- Exploring Cisco SD-WAN Security
- Designing and Migrating to Cisco SD-WAN
- Performing Cisco SD-WAN Network Management and Troubleshooting
- Examining Cisco SD-WAN Multicast Support

CCNP Enterprise Designing Networks ENSLD Outline:

- Designing WAN Resiliency
- Examining Cisco SD-WAN Architectures
- Cisco SD-WAN Deployment Design Considerations
- Designing Cisco SD-WAN Routing and High Availability
- Understanding QoS
- Designing LAN and WAN QoS
- Exploring Multicast with Protocol-Independent Multicast-Sparse Mode
- Designing Rendezvous Point Distribution Solutions
- Designing an IPv4 Address Plan
- Exploring IPv6
- Deploying IPv6
- Introducing Network APIs and Protocols

CCNP Enterprise Designing Wireless Networks ENWLSD Outline:

- Describing and Implementing a Structured Wireless Design Methodology
- Describing and Implementing Industry Protocols and Standards
- Describing and Implementing Cisco Enhanced Wireless Features
- Examining Cisco Mobility and Roaming
- Describing and Implementing the Wireless Design Process
- Describing and Implementing Specific Vertical Designs
- Examining Special Considerations in Advanced Wireless Designs
- Describing and Implementing the Site Survey Processes
- Describing and Implementing Wireless Network Validation Processes

CCNP Enterprise – Implementing Wireless Networks ENWLSI Outline:

- FlexConnect
- QoS on a Wireless Network
- Multicast
- Location Services
- Advanced Location Services
- Security for Wireless Client Connectivity
- Monitoring
- Device Hardening

CLS Learning Solutions

Training businesses and people Since 1995