



# احترف CCNP و Enterprise CCIE بدورة ENCOR 350-401 v1.1



**AGILE LEADERS**  
Training Center

20 - 31 Dec 2026

جوهانسبرغ

## احترف CCNP و Enterprise CCIE بدورة 350-401 ENCOR v1.1

المرجع: 36398\_80179 التاريخ: 20 - 31 Dec 2026 الموقع: جوهانسبرغ الرسوم: 10000 Euro

### Course Overview

The CCNP & CCIE Enterprise: Master ENCOR 350-401 v1.1 Training Course is an advanced, hands-on training program designed to help IT professionals develop expertise in Cisco Enterprise Networking. This comprehensive course covers CCNP ENCOR 350-401 Training, CCIE Enterprise Course, and Advanced Cisco Routing & Switching, preparing learners for the ENCOR 350-401 Exam with in-depth theoretical concepts and hands-on Cisco labs.

Participants will explore Cisco Network Security, SD-WAN Training Cisco, and Network Automation, equipping them with the knowledge to design, implement, and troubleshoot complex network infrastructures. Key topics include OSPF Configuration Guide, BGP Troubleshooting Tips, VLAN Configuration Cisco, CCIE Practical Labs, and QoS Configuration Cisco.

### Target Audience

- Network Engineers and Administrators
- Enterprise Network Engineers
- IT Security Professionals
- System Administrators
- IT Support Engineers
- Infrastructure Architects
- Network Analysts
- IT Consultants

### Targeted Organizational Departments

- IT Infrastructure & Networking
- Security Operations
- Enterprise Network Administration
- Cloud & Data Center Networking
- Telecommunications Engineering
- Managed Services & IT Support

## Targeted Industries

- Telecommunications & ISP Providers
- Financial Services & Banking
- Healthcare IT Infrastructure
- Government & Defense Networks
- Enterprise IT & Cloud Services
- E-commerce & Retail Networks
- Education & Research Institutions
- Media & Entertainment Networking

## Course Offerings

By the end of this course, participants will be able to:

- Successfully prepare for the ENCOR 350-401 Exam
- Implement and manage Cisco Enterprise Networking solutions
- Configure OSPF, BGP, and EIGRP for enterprise environments
- Deploy Cisco SD-WAN solutions for advanced network connectivity
- Secure enterprise networks using Cisco Network Security best practices
- Apply QoS Configuration Cisco for network optimization
- Configure and troubleshoot Cisco VPN Solutions, GRE Tunnels, and ACLs
- Manage Cisco Network Monitoring using SNMP, Syslog, and NetFlow

## Training Methodology

This course utilizes a blended learning approach, combining:

- Instructor-led interactive sessions with real-world case studies
- Scenario-based troubleshooting exercises in OSPF, BGP, VLAN, and STP
- Group discussions and Q&A sessions to clarify complex concepts
- Step-by-step configuration guides for real-world network deployments

## Course Toolbox

Participants will receive:

- Cisco ENCOR 350-401 v1.1 Study Guide
- Hands-on lab exercises for CCNP Routing & Switching Labs
- OSPF Configuration Guide and BGP Troubleshooting Tips
- Cisco VPN Setup Guide with real-world implementation steps
- Access to SD-WAN Training Cisco resources
- Cisco REST API Security reference materials
- Enterprise Network Architecture Cisco frameworks
- Interactive case studies & problem-solving exercises

## Course Agenda

### Day 1: Introduction & Network Fundamentals

- CCNP-01 Introduction Topic 1: •
- CCNP-GNS3 Installation Topic 2: •
- CCNP-EVE ng Overview Topic 3: •
- ARP with Lab Topic 4: •
- ARP with Switch Topic 5: •
- MAC Address with Lab Topic 6: •
- Key learnings from Day 1 Reflection & Review: •

### Day 2: VLANs & Trunking Protocols

- VLAN Configuration Topic 1: •
- CEF Introduction Topic 2: •
- Basic Lab for Trunking Protocol Topic 3: •
- DTP Theory Topic 4: •
- DTP Lab in GNS3 Topic 5: •
- Troubleshooting VLAN Issues Topic 6: •
- Practical VLAN Applications Reflection & Review: •

### Day 3: Spanning Tree Protocol STP & Security

- STP Part 1 - Fundamentals Topic 1: •
- STP Part 2 - Advanced Features Topic 2: •
- STP Part 3 - Optimization Techniques Topic 3: •
- STP Part 4 - Troubleshooting Labs Topic 4: •
- Mini Project for STP Security Topic 5: •
- MST Lab with Theory Topic 6: •
- Best Practices in STP Reflection & Review: •

### Day 4: EtherChannel & IP Routing Basics

- EtherChannel Pagp Lab with Theory Topic 1: •
- EtherChannel LACP Lab in GNS3 Topic 2: •
- EtherChannel Static Method Lab in EVE ng Topic 3: •
- L3 EtherChannel Lab in EVE ng Topic 4: •
- IP Routing Basic Part 1 Topic 5: •
- Floating Static Route Topic 6: •
- Routing Protocol Best Practices Reflection & Review: •

## Day 5: OSPF Configuration & Optimization

- OSPF Introduction Topic 1:
- OSPF Basic Lab in EVE ng Topic 2:
- OSPF Router ID & Terminologies Topic 3:
- OSPF Neighbor Requirements Topic 4:
- OSPF Network Types Topic 5:
- OSPF Load Balancing Topic 6:
- Troubleshooting OSPF Reflection & Review:

## Day 6: BGP Fundamentals & Advanced Features

- BGP Introduction & Configuration Topic 1:
- IBGP & EBGP Theory with Lab Topic 2:
- BGP Neighbor States & Message Types Topic 3:
- BGP Timer Lab & Next-Hop Self Topic 4:
- BGP Path Selection & Weight Attribute Topic 5:
- BGP MED & AS Path Prepending Topic 6:
- BGP Troubleshooting Techniques Reflection & Review:

## Day 7: Network Security & Firewall Implementation

- Network Security Design Theory Topic 1:
- ACL Introduction & Standard ACL Lab Topic 2:
- Extended ACL with Lab Topic 3:
- VLAN ACL Lab in EVE ng Topic 4:
- NAT & PAT Configuration Topic 5:
- Static & Dynamic NAT Labs Topic 6:
- Enhancing Network Security Reflection & Review:

## Day 8: SD-WAN, QoS & Network Automation

- SD-WAN and SD-Access Fundamentals Topic 1:
- QoS Configuration & Best Practices Topic 2:
- QoS Policing & Traffic Prioritization Topic 3:
- Introduction to Network Automation Topic 4:
- Automation with NETCONF & RESTCONF Topic 5:
- API Security & Network Programmability Topic 6:
- Real-World Automation Scenarios Reflection & Review:

## Day 9: Wireless Networking & Monitoring

- Wireless Fundamentals & AP States Topic 1: •
- Wireless Client Density & Segmentation Topic 2: •
- Wireless Security Features & EAPOL Topic 3: •
- Network Monitoring with SNMP & Syslog Topic 4: •
- Debugging & Tracing Routes Topic 5: •
- NetFlow & IPSLA Monitoring Techniques Topic 6: •
- Network Visibility & Optimization Reflection & Review: •

## Day 10: VPNs, Final Assessment & Real-World Labs

- GRE & IPSec VPN Theory Topic 1: •
- S2S VPN Configuration in GNS3 Topic 2: •
- Enterprise Network Design & Implementation Topic 3: •
- Final Troubleshooting Labs Topic 4: •
- Course Wrap-Up & Certification Guidance Topic 5: •
- Final Q&A and Next Steps Reflection & Review: •

## FAQ

What specific qualifications or prerequisites are needed for participants before enrolling in the course? •

Participants should have a solid understanding of CCNA-level networking knowledge CCNA 200-301 and a basic grasp of network automation concepts.

How long is each day's session, and is there a total number of hours required for the entire course? •

-Each day consists of 4-5 hours of interactive training, spanning over ten days with a total of 40-50 hours of hands on learning and theoretical knowledge.

How does this course help with passing the ENCOR 350-401 Exam? •

This course includes extensive troubleshooting scenarios to equip learners with the required skills and confidence to ace the CCNP Enterprise Certification exam.

## How This Course is Different from Other CCNP & CCIE Enterprise Courses

This program confidently surpasses generic Cisco courses by offering:

- Cisco Network Security training that delves into ACLs, VPNs, and automation.
- A comprehensive step-by-step guide for Cisco VPN setup, complemented by real-world lab experience.
- Praction
- Cisco SD-WAN training with effective deployment exercises.
- Exclusive access to leading Cisco REST API Security materials for advanced automation.
- CCNP Routing & Switching labs utilizing GNS3 and EVE-NG for true-to-life scenarios.
- Enterprise Network Architecture.



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## فئات الدورات التدريبية



HR TRAINING & DEVELOPMENT

دورات إدارة و تطوير الموارد البشرية



دورات إدارة و تحليل البيانات ودورات علم البيانات



دورات إدارة الجودة وتطوير العمليات



الدورات التدريبية في مجال البيئة والاستدامة



دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات



دورات التدريب القانوني والمشتريات والتعاقدات



دورات الاتصال الجماهيري و السياسات والعلاقات العامة



دورات الذهن السيرياني ودورات تقنية المعلومات



دورات الصيانة ودورات المجالات الهندسية المتنوعة



دورات الصحة والسلامة والذهن المهني



دورات السكرتارية و إدارة المكاتب



دورات الحوكمة وإدارة المخاطر والامتثال



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## فئات الدورات التدريبية



دورات معتمدة من قبل هيئات دولية



دورات في مجالات القيادة والإدارة



دورات المهارات الشخصية وتطوير الذات



دورات المحاسبة و التمويل و دورات الإدارة  
المالية



دورات مكتب إدارة المشاريع وإدارة المشاريع  
الرشيقة

## مدن التدريب



أوسلدا - هولندا



أكرا - غانا



أثينا - اليونان



أبوظبي - الإمارات العربية المتحدة



الدوحة - قطر



الدار البيضاء - المغرب



الجبيل - المملكة العربية السعودية



إسطنبول - تركيا



المنامة - مملكة البحرين



الكويت - الكويت



القاهرة - مصر



الرياض - المملكة العربية السعودية



بانكوك - تايلند



بالي - جمهورية إندونيسيا



باكو - أذربيجان



باريس - فرنسا

## مدن التدريب



بورنو - البرتغال



برلين - ألمانيا



برشلونة - إسبانيا



براغ - جمهورية التشيك



جاكرتا - جمهورية إندونيسيا



تورنتو - كندا



تيليسي - جورجيا



بوكيت - تايلاند



روما - إيطاليا



دبي - الإمارات العربية المتحدة



جوهانسبرغ - جنوب إفريقيا



جنيف - سويسرا



سيول - كوريا الجنوبية



سنغافورة - سنغافورة



سان دييغو - الولايات المتحدة الأمريكية



زنجان - تنزانيا

## مدن التدريب



طشقند - أوزبكستان



طرابزون - تركيا



شيكاغو - الولايات المتحدة الأمريكية



شرم الشيخ - مصر



فرانكفورت - ألمانيا



عن بعد - منصة زووم



عمان - المملكة الأردنية الهاشمية



طوكيو - اليابان



لانكاوي - ماليزيا



كيب تاون - جنوب إفريقيا



كوالالمبور - ماليزيا



فيينا - النمسا



مدريد - إسبانيا



ماربيا - إسبانيا



لندن - المملكة المتحدة



لشبونة - البرتغال

## مدن التدريب



ميونخ - ألمانيا



ميلان - إيطاليا



مونتره - سويسرا



مسقط - سلطنة عمان



نيويورك - الولايات المتحدة  
الأمريكية



نيس - فرنسا



نairobi - كينيا

# WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

## OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

## OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

## WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



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## CONTACT US

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