



# CISCO CERTIFIED NETWORK ASSOCIATE (CCNA Vol 1 AND Vol2) An accelerated course for Professionals

The Implementing and Administering Cisco Solutions (CCNA) course gives participants a broad range of fundamental knowledge for all IT careers. Participants learn how to install, operate, configure, and verify basic IPv4 and IPv6 networks. The course covers the **1st Volume of CCNA - Introduction to Networks** and the **2nd Volume of CCNA Switching, Routing and Wireless Essentials**. The course also provides participants a foundation in network programmability, automation, and software-defined networking. The course provides both the theoretical background as well as hands on practice with **more than 40 labs** and exercises. This is the first of a series of 2 courses leading to CCNA Certification.



**ΚΩΔΙΚΟΣ:** ED25B30



**ΔΙΑΡΚΕΙΑ:** 56 ώρες



**ΗΜΕΡΟΜΗΝΙΑ ΕΝΑΡΞΗΣ:** 20/10/2025



**ΣΕ ΠΟΙΟΥΣ ΑΠΕΥΘΥΝΕΤΑΙ:**

Entry-level network engineers, Network administrators, Network Engineers, Network support technicians and Help desk technicians



**ΠΡΟΫΠΟΘΕΣΕΙΣ ΣΥΜΜΕΤΟΧΗΣ:** ΚΑΜΙΑ

-



**ΓΛΩΣΣΑ ΔΙΔΑΣΚΑΛΙΑΣ:**

Ελληνικά



**ΕΚΠΑΙΔΕΥΤΙΚΟ ΥΛΙΚΟ:**

Εκπαιδευτικό υλικό από την CISCO.



**ΜΕΘΟΔΟΛΟΓΙΑ:**

Διάλεξη, Συζήτηση, Επίδειξη και Εργαστήρια



**ΣΤΟΧΟΙ ΚΑΤΑΡΤΙΣΗΣ:**

Upon completion the participants will be able to

- Describe TCP/IP Networking Fundamentals of Ethernet LANs, WANs and IP Routing
- Use the Command-Line Interface
- Configuring Basic Switch Management and Switch Interfaces#
- Implementing Ethernet Virtual LANs
- Describe Spanning Tree Protocol Concepts, RSTP and EtherChannel
- Configure Classful IPv4 Networks
- Analyze Subnet Masks,
- Configure Routing in the LAN
- Troubleshooting IPv4 Routing
- Describe OSPF Concepts and implement OSPF
- Configure and implement IPv6 Addressing and Subnetting
- Implementing IPv6 Addressing and Routing

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 **ΤΟΠΟΘΕΣΙΑ: WEBINAR**

 **ΗΜΕΡΟΜΗΝΙΕΣ ΚΑΙ ΩΡΕΣ:**

Monday 20/10/2025, 17:45 - 21:30  
Wednesday 22/10/2025, 17:45 - 21:30  
Monday 27/10/2025, 17:45 - 21:30  
Wednesday 29/10/2025, 17:45 - 21:30  
Monday 03/11/2025, 17:45 - 21:30  
Wednesday 05/11/2025, 17:45 - 21:30  
Monday 10/11/2025, 17:45 - 21:30  
Wednesday 12/11/2025, 17:45 - 21:30  
Monday 17/11/2025, 17:45 - 21:30  
Wednesday 18/11/2025, 17:45 - 21:30  
Monday 24/11/2025, 17:45 - 21:30  
Wednesday 26/11/2025, 17:45 - 21:30  
Monday 01/12/2025, 17:45 - 21:30  
Wednesday 03/12/2025, 17:45 - 21:30  
Monday 08/12/2025, 17:45 - 21:30  
Wednesday 10/12/2025, 17:45 - 21:30

 **ΚΟΣΤΟΣ ΑΝΑ ΣΥΜΜΕΤΕΧΟΝΤΑ:**  
Περιλαμβάνει την παρακολούθηση του σεμιναρίου,  
σημειώσεις και πιστοποιητικό.

#### Κόστος συμμετοχής

- Συνολικό Κόστος: €1600
- Επιχορήγηση ΑΝΑΔ: €1120
- Καθαρό Κόστος: €480

#### Για άνεργους Και Φοιτητές

- Παρακαλώ επικοινωνήστε μαζί μας

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**CISCO CERTIFIED NETWORK ASSOCIATE (CCNA VOL 1 AND VOL2)****ΕΝΟΤΗΤΕΣ ΣΕΜΙΝΑΡΙΟΥ****Part I Introduction to Networking****Module 1 Introduction to TCP/IP Networking**

- Foundation Topics
- Perspectives on Networking
- TCP/IP Networking Model
- Data Encapsulation Terminology
- Review

Exercises

**Module 2 Fundamentals of Ethernet LANs**

- An Overview of LANs
- Building Physical Ethernet LANs with UTP
- Building Physical Ethernet LANs with Fiber
- Sending Data in Ethernet Networks
- Review

Exercises

Labs

**Module 3 Fundamentals of WANs and IP Routing**

- Wide-Area Networks
- IP Routing
- Other Network Layer Features
- Review

Exercises

Labs

**Part I Review****Part II Implementing Ethernet LANs****Module 4 Using the Command-Line Interface**

- Accessing the Cisco Catalyst Switch CLI
- Configuring Cisco IOS Software
- Module Review

Exercises

Labs

**Module 5 Analyzing Ethernet LAN Switching**

- LAN Switching Concepts
- Verifying and Analyzing Ethernet Switching
- Module Review

Exercises

Labs

**Module 6 Configuring Basic Switch Management**

- Securing the Switch CLI
- Enabling IPv4 for Remote Access
- Miscellaneous Settings Useful in the Lab
- Review

Exercises

Labs

**Module 7 Configuring and Verifying Switch Interfaces**

- Configuring Switch Interfaces
- Analyzing Switch Interface Status and Statistics
- Review

Exercises

Labs

Part II Review

**Part III Implementing VLANs and STP****Module 8 Implementing Ethernet Virtual LANs**

- Virtual LAN Concepts
- VLAN and VLAN Trunking Configuration and Verification
- Troubleshooting VLANs and VLAN Trunks
- Review

Exercises

Labs

**Module 9 Spanning Tree Protocol Concepts**

- STP and RSTP Basics
- Details Specific to STP (and Not RSTP)
- Rapid STP Concepts
- Review

Exercises

Labs

**Module 10 RSTP and EtherChannel Configuration**

- Understanding RSTP Through Configuration
- Configuring Layer 2 EtherChannel
- Review

Exercises

Labs

Part III Review

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**CISCO CERTIFIED NETWORK ASSOCIATE (CCNA VOL 1 AND VOL2)****ΕΝΟΤΗΤΕΣ ΣΕΜΙΝΑΡΙΟΥ****Part IV IPv4 Addressing****Module 11 Perspectives on IPv4 Subnetting**

- Introduction to Subnetting
- Analyze Subnetting and Addressing Needs
- Make Design Choices
- Plan the Implementation
- Review

Exercises

Labs

**Module 12 Analyzing Classful IPv4 Networks**

- Classful Network Concepts
- Practice with Classful Networks
- Review

Exercises

Labs

**Module 13 Analyzing Subnet Masks**

- Subnet Mask Conversion
- Identifying Subnet Design Choices Using Masks
- Review

Exercises

Labs

**Module 14 Analyzing Existing Subnets**

- Defining a Subnet
- Analyzing Existing Subnets: Binary
- Analyzing Existing Subnets: Decimal
- Practice Analyzing Existing Subnets
- Review

Exercises

Labs

Part IV Review

**Part V IPv4 Routing****Module 15 Operating Cisco Routers**

- Installing Cisco Routers
- Enabling IPv4 Support on Cisco Router Interfaces
- Review

Labs

**Module 16 Configuring IPv4 Addresses and Static Routes**

- IP Routing 369
- Configuring IP Addresses and Connected Routes
- Configuring Static Routes
- IP Forwarding with the Longest Prefix Match
- Review

Labs

**Module 17 IP Routing in the LAN**

- VLAN Routing with Router 802.1Q Trunks
- VLAN Routing with Layer 3 Switch SVIs
- VLAN Routing with Layer 3 Switch Routed Ports
- Review

Labs

**Module 18 Troubleshooting IPv4 Routing**

- Problem Isolation Using the ping Command
- Problem Isolation Using the traceroute Command
- Telnet and SSH
- Review

Labs

**Part V Review****Part VI OSPF****Module 19 Understanding OSPF Concepts**

- Comparing Dynamic Routing Protocol Features
- OSPF Concepts and Operation
- OSPF Areas and LSAs
- Review

Labs

**Module 20 Implementing OSPF**

- Implementing Single-Area OSPFv2
- Using OSPFv2 Interface Subcommands
- Additional OSPFv2 Features
- Review

Labs

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**CISCO CERTIFIED NETWORK ASSOCIATE (CCNA VOL 1 AND VOL2)****Module 21 OSPF Network Types and Neighbors**

- OSPF Network Types
- OSPF Neighbor Relationships
- Review

Labs

Part VI Review

**Part VII IP Version 6****Module 22 Fundamentals of IP Version 6**

- Introduction to IPv6
- IPv6 Addressing Formats and Conventions
- Representing the Prefix Length of an Address
- Calculating the IPv6 Prefix (Subnet ID)
- Finding the IPv6 Prefix
- Working with More-Difficult IPv6 Prefix

Lengths

- Review

Labs

**Module 23 IPv6 Addressing and Subnetting**

- Global Unicast Addressing Concepts 542
- Public and Private IPv6 Addresses 542
- The IPv6 Global Routing Prefix 543
- Address Ranges for Global Unicast Addresses
- IPv6 Subnetting Using Global Unicast Addresses
- Unique Local Unicast Addresses
- Review

Labs

**Module 24 Implementing IPv6 Addressing on Routers**

- Implementing Unicast IPv6 Addresses on Routers
- Special Addresses Used by Routers
- Static Unicast Address Configuration
- Dynamic Unicast Address Configuration
- Special Addresses Used by Routers
- Link-Local Addresses
- IPv6 Multicast Addresses
- Review

Labs

**Module 25 Implementing IPv6 Routing**

- Connected and Local IPv6 Routes
- Static IPv6 Routes
- The Neighbor Discovery Protocol
- Review

Labs

Part VII Review

**Part VIII Wireless LANs****Chapter 26 Fundamentals of Wireless Networks**

- Comparing Wired and Wireless Networks
- Wireless LAN Topologies
- Other Wireless Topologies
- RF Overview
- Review

Labs

**Chapter 27 Analyzing Cisco Wireless Architectures  
Autonomous AP Architecture**

- Cloud-based AP Architecture
- Split-MAC Architecture
- Comparing Wireless LAN Controller Deployments
- Review

Labs

**Chapter 28 Securing Wireless Networks**

- Anatomy of a Secure Connection
- Authentication
- Message Privacy
- Message Integrity
- Wireless Client Authentication Methods
- Wireless Privacy and Integrity Methods
- WPA, WPA2, and WPA3
- Review

Labs

**Chapter 29 Building a Wireless LAN**

- Connecting a Cisco AP
- Accessing a Cisco WLC
- Connecting a Cisco WLC
- Configuring a WLAN
- Review

Labs

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