

# Cisco CCNA Bootcamp



Length: 5 days

Format: Bootcamp

Time: Day



## About This Course

As Enterprises migrate toward controller based architectures, the role and skills required of a core network engineer are evolving and more vital than ever. To prepare for this network transition, the CCNA certification will not only prepare you with the knowledge of foundational technologies, but ensure you stay relevant with skill sets needed for the adoption of next generation technologies.

To learn more about the course objectives and opportunities in the industry for CCNA certified professionals, view our Cisco CCNA Certification Info Session.

## Required Exams

Cisco Certified Network Associate (CCNA) exam 200-301

## Audience Profile

The CCNA certification is for IT professionals looking to expand upon and document their existing skills in CISCO technology. This boot camp is intended for students seeking to earn their CCNA certification and who need an expert instructor to guide them throughout the training and exam preparation process.

## Course Objectives

- \* Exploring the Functions of Networking
- \* Introducing the Host-To-Host Communications Model
- \* Operating Cisco IOS Software
- \* Introducing LANs
- \* Exploring the TCP/IP Link Layer
- \* Starting a Switch
- \* Introducing the TCP/IP Internet Layer, IPv4 Addressing, and Subnets
- \* Explaining the TCP/IP Transport Layer and Application Layer
- \* Exploring the Functions of Routing
- \* Configuring a Cisco Router
- \* Exploring the Packet Delivery Process
- \* Troubleshooting a Simple Network
- \* Introducing Basic IPv6

- \* Configuring Static Routing
- \* Implementing VLANs and Trunks
- \* Routing Between VLANs
- \* Introducing OSPF
- \* Building Redundant Switched Topologies
- \* Improving Redundant Switched Topologies with EtherChannel
- \* Exploring Layer 3 Redundancy
- \* Introducing WAN Technologies
- \* Explaining Basics of ACL
- \* Enabling Internet Connectivity
- \* Introducing QoS
- \* Explaining Wireless Fundamentals
- \* Introducing Architectures and Virtualization
- \* Explaining the Evolution of Intelligent Networks
- \* Introducing System Monitoring
- \* Managing Cisco Devices
- \* Examining the Security Threat Landscape
- \* Implementing Threat Defense Technologies
- \* Securing Administrative Access
- \* Implementing Device Hardening

## Outline

- \* Exploring the Functions of Networking
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