

# Day by Day Review Guide for the CCNA 200-301 Certification Exam: A Comprehensive Guide to Success



## 31 Days Before your CCNA Exam: A Day-By-Day Review Guide for the CCNA 200-301 Certification Exam

by Allan Johnson

★★★★☆ 4.6 out of 5

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The Cisco Certified Network Associate (CCNA) 200-301 certification validates the essential knowledge and skills required for entry-level network engineers. This comprehensive review guide is designed to help you prepare for the exam with confidence and achieve your certification goal.

### Exam Objectives Covered

This guide covers all the exam objectives outlined by Cisco for the CCNA 200-301 exam, including:

- Networking Fundamentals
- LAN Switching Technologies

- Routing Technologies
- WAN Technologies
- Infrastructure Services
- Security Fundamentals
- Automation and Programmability

## **Study Plan**

This guide provides a structured study plan that includes daily lessons, practice questions, and expert tips. The plan is designed to help you progress through the exam objectives in a logical and efficient manner.

## **Day 1-7: Networking Fundamentals**

### **Lessons:**

- OSI Model and TCP/IP
- Networking Devices
- IPv4 and IPv6 Addressing
- Subnetting
- VLANs
- STP
- Network Management

**Practice Questions:** 50+

**Expert Tips:** Focus on understanding the concepts, not just memorizing facts.

## **Day 8-14: LAN Switching Technologies**

### **Lessons:**

- Ethernet Switching
- VLANs and Trunking
- STP and RSTP
- EtherChannel
- Switch Security

**Practice Questions:** 40+

**Expert Tips:** Practice configuring and troubleshooting VLANs and STP in a lab environment.

## **Day 15-21: Routing Technologies**

### **Lessons:**

- IP Routing Basics
- Routing Protocols (RIP, EIGRP, OSPF)
- Route Redistribution
- Inter-VLAN Routing
- Network Address Translation (NAT)

**Practice Questions:** 60+

**Expert Tips:** Familiarize yourself with the routing protocols' operation and configuration.

## **Day 22-28: WAN Technologies**

### **Lessons:**

- WAN Basics
- Serial and PPP
- Frame Relay
- MPLS
- VPN

**Practice Questions:** 30+

**Expert Tips:** Understand the different WAN technologies and their applications.

## **Day 29-35: Infrastructure Services**

### **Lessons:**

- DHCP
- DNS
- NTP
- Syslog

- SNMP

**Practice Questions:** 40+

**Expert Tips:** Practice configuring and troubleshooting these services in a lab environment.

## **Day 36-42: Security Fundamentals**

### **Lessons:**

- Network Security Threats
- Firewall Basics
- ACLs
- Intrusion Detection and Prevention Systems (IDS/IPS)
- Security Monitoring

**Practice Questions:** 50+

**Expert Tips:** Stay up-to-date with the latest security best practices.

## **Day 43-49: Automation and Programmability**

### **Lessons:**

- Network Automation Basics
- Python for Networking
- Cisco DNA Center
- Cisco APIC-EM

**Practice Questions:** 20+

**Expert Tips:** Gain hands-on experience with network automation tools.

## Practice Exams

In addition to the daily lessons and practice questions, this guide includes several full-length practice exams to help you assess your progress and identify areas for improvement.

By following this comprehensive review guide, you can significantly increase your chances of passing the CCNA 200-301 certification exam. The structured study plan, practice questions, and expert tips will help you master the essential concepts and skills required for success.

Remember to practice regularly, stay up-to-date with industry best practices, and seek support from a qualified instructor or mentor if needed. With dedication and hard work, you can achieve your CCNA certification goal and advance your career in the field of networking.



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