

## CCIE Books

**CCIE®** (Cisco Certified Internetwork Expert) is the premier certification for networking professionals, and certifies an individual's networking skills at the expert level. Candidates who pass both of the required exams, one written and one in a hands-on lab environment, receive a CCIE certificate from Cisco Systems. [Learn more about CCIE certification](#) from Cisco Systems.

### Prerequisites

There are no prerequisites for CCIE certification, but at least three years of practical experience implementing, deploying, operating, and troubleshooting complex Cisco networks is recommended. You will also need a familiarity with Cisco hardware and Cisco networking solutions, extensive knowledge of LAN and WAN technologies, and an in-depth understanding of the protocols used on routers, switches, bridges, and security devices.

### Exams

To achieve CCIE certification, you must first pass a written qualification exam. After you pass the written exam, you qualify to schedule and take the corresponding, one-day lab exam

on-site at a Cisco CCIE lab. The hands-on lab exam emphasizes Cisco equipment command knowledge and network troubleshooting skills.

#### Written Exams

##### **CCIE Routing and Switching track**

350-001 Routing and Switching

[Written Exam Blueprint](#) (v3.0)

[Lab Exam Blueprint](#) (v3.0)

##### **CCIE Security track**

350-018 Security

[Written Exam Blueprint](#) (v2.0)

[Lab Exam Blueprint v2.0](#)

[Lab Exam Blueprint v3.0](#), available April 20, 2009

##### **CCIE Service Provider track**

351-029 Comprehensive Exam

[Written Exam Blueprint](#)

[Lab Exam Blueprint](#)

Recertification Exams:

350-021 Cable

350-026 Content Networking

350-020 Optical

350-023 WAN Switching

##### **CCIE Storage Networking track**

350-040 Storage Networking

[Written Exam Blueprint](#)

[Lab Exam Blueprint](#)

## **CCIE Voice track**

350-030 Voice

[Written Exam Blueprint](#)

[Lab Exam Blueprint](#)

## **CCIE Wireless track**

350-050 Wireless

[Written Exam Blueprint](#)

[Lab Exam Blueprint](#)

## **CCIE Self-Study Resources from Cisco Press]**

The Certification Self-Study Product Family is comprised of the Self-Study Guide Series, the CCIE Professional Development Series, the Practical Studies Series, the Exam Certification Guide Series, and the Flash Cards and Exam Practice Pack Series. These series offer a progressive, self-paced study routine for Cisco certification exams, with tools that help certification candidates learn exam topics, gain hands-on experience, prepare for the exam, and practice their test taking skills. For more information on each series and how the books complement one another, visit our **Series** pages.

## **Routing and Switching**

CCIE Professional Development: The CCIE Professional Development series teaches topics vital to CCIE testing success. Written by networking experts and reviewed by the Cisco CCIE team, these titles are valuable for exam preparation and general learning.

CCIE Routing and Switching Exam Certification Guide, Third Ed.

CCIE Routing and Switching Practice Labs (Digital Short Cut)

CCIE Routing and Switching Exam Quick Reference Sheets: Exam 350-001 v3.1

Routing TCP/IP, Volume I, Second Ed.

Routing TCP/IP, Volume II

Troubleshooting IP Routing Protocols

## **Security**

CCIE Practical Studies: Security

CCIE Security Practice Labs

CCIE Security Exam Quick Reference Sheets: Exam 350-018 v2.0

Network Security Principles and Practices

Network Security Technologies and Solutions

## **Voice**

CCIE Voice Exam Quick Reference Sheets

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