

# 31 Days Before Your CCENT Certification Version 4.1 Update

Scott Bennett



# Map to CCNA Discovery 2 Version 4.1 Changes

## Introduction

The following sections address the recent update to v4.1 made to the online CCNA Discovery 2 course, *Working at a Small-to-Medium Business or ISP*. Although most of the content is not affected, there are small differences you should make note of while using the first printing of *31 Days Before Your CCENT Certification* (ISBN: 978-1-58713-217-9) to review for the CCENT (ICND1) exam.

## Day 31: Network Components and Operation

No changes in the curriculum affect this chapter.

## Day 30: Layered Model Applications

No changes in the curriculum affect this chapter.

## Day 29: Layered Model Protocols and Purpose

No changes in the curriculum affect this chapter.

## Day 28: Network Diagrams and Components

The following online changes affect this chapter:

- ❑ Page 23 references CCNA Discovery 2, Chapter 1.2.3: A Packet Tracer activity has been added to show results from traceroute and ping. Make sure you can interpret these outputs.
- ❑ Page 24 references CCNA Discovery 2, Chapter 3.1.2: A section has been added describing star and mesh topologies. Make sure you can define/identify these various topologies.

## Day 27: Troubleshooting and LAN Versus WAN

The following online change affects this chapter:

- ❑ Page 35 references CCNA Discovery 2, Chapter 5.5.3: This information is now covered in CCNA Discovery 2, Chapter 5.4.2.

## Day 26: Network Physical Media

No changes in the curriculum affect this chapter.

## Day 25: Media Access Control and Segmentation

No changes in the curriculum affect this chapter.

## Day 24: Switch Operation

The following online change affects this chapter:

- ❑ Page 50 references CCNA Discovery 2, Chapter 5.4.1: This information is now covered in CCNA Discovery 2, Chapter 5.5.1.

## Day 23: Switch Configuration

The following online changes affect this chapter:

- ❑ Pages 53 to 55 reference CCNA Discovery 2, Chapters 5.4.2 and 5.4.3: This information is now covered in CCNA Discovery 2, Chapters 5.5.3 and 5.5.4.

## Day 22: Switch Security

The following online changes affect this chapter:

- ❑ Pages 57 to 58 reference CCNA Discovery 2, Chapter 5.4.3: This information is now covered in CCNA Discovery 2, Chapter 5.5.4. There are also new sections that further describe switch security and the **switchport port-security** command.

## Day 21: Switch Troubleshooting

The following online change affects this chapter:

- ❑ Page 61 references CCNA Discovery 2, Chapter 5.4.4: This information is now covered in CCNA Discovery 2, Chapters 5.5.3, 5.5.4, and 5.5.5.

## Day 20: IP Addressing

The following online change affects this chapter:

- ❑ Page 72 references CCNA Discovery 2, Chapter 4.1.6: This information is now covered in CCNA Discovery 2, 4.2.5.

## Day 19: Assign Addresses

The following online change affects this chapter:

- ❑ Page 74 references CCNA Discovery 2, Chapters 5.3.4 and 5.4.3: This information is now covered in CCNA Discovery 2, Chapters 5.3.4 (with additional basic commands) and 5.5.4.

## Day 18: NAT

The following online changes affect this chapter:

- ❑ Page 78 references CCNA Discovery 2, Chapter 4.2.5: This section now includes a discussion of how IPv6 solves many issues with NAT.
- ❑ Pages 79 to 80 reference CCNA Discovery 2, Chapter 5.3.8: This section has added the command **show ip nat statistics** to the list of commands available to verify NAT.

## Day 17: DNS Operation

No changes in the curriculum affect this chapter.

## Day 16: Private Networks and NAT

The following online change affects this chapter:

- ❑ Page 86 references CCNA Discovery 2, Chapters 5.2.4 and 5.2.5: This information is now covered in CCNA Discovery 2, 5.2.4.

## Day 15: DHCP operation

The following online change affects this chapter:

- ❑ Page 90 references CCNA Discovery 2, Chapter 5.3.7: Additional information about the DHCP process and troubleshooting is now also covered in CCNA Discovery 2, Chapter 2.3.1.

## Day 14: Static and Dynamic Addressing

No changes in the curriculum affect this chapter.

## Day 13: IP Address Troubleshooting

No changes in the curriculum affect this chapter.

## Day 12: Routing and Routers

The following online changes affect this chapter:

- ❑ Page 101 references CCNA Discovery 2, Chapters 5.1.4 to 5.1.6: This information is now covered in CCNA Discovery 2, Chapters 5.1.3 to 5.1.4.
- ❑ Page 102 references CCNA Discovery 2, Chapters 5.1.1 to 5.1.3: This information is now covered in CCNA Discovery 2, Chapters 5.1.1 to 5.1.4.
- ❑ Page 101 references CCNA Discovery 2, Chapter 6.1.4: This section also includes a discussion of routing metrics and administrative distances.

## Day 11: RIP Configuration

No changes in the curriculum affect this chapter.

## Day 10: CLI Parameters

The following online change affects this chapter:

- ❑ Page 108 references CCNA Discovery 2, Chapter 5.3.4: This portion of the online curriculum now includes information about the **logging synchronous** command and the **no ip domain lookup** command.

## Day 9: Configuration, IOS, and Security

The following online change affects this chapter:

- ❑ Page 113 references CCNA Discovery 2, Chapter 5.1.4: This information is now also covered in CCNA Discovery 2, Chapter 8.4.3. Chapter 5.1.4 added a discussion of the difference between in-band (network connection) and out-of-band (console or aux port) management. Chapter 8.4.3 covers the use of TFTP, RMON, and Xmodem to manage Cisco IOS images.

## Day 8: Network Status Verification

No changes in the curriculum affect this chapter.

## Day 7: Wireless Standards

No changes in the curriculum affect this chapter.

## Day 6: Wireless Security

No changes in the curriculum affect this chapter.

## Day 5: Security Threats

No changes in the curriculum affect this chapter.

## Day 4: Security Applications

No changes in the curriculum affect this chapter.

## Day 3: WAN Connections

The following online changes affect this chapter:

- ❑ Page 143 references CCNA Discovery 2, Chapters 5.5.3 and 5.5.4: This information is now covered in CCNA Discovery 2, Chapters 5.4.3 and 5.4.4.
- ❑ Page 144 references CCNA Discovery 2, Chapters 5.2.3 and 5.5.6: This information is now covered in CCNA Discovery 2, Chapter 5.2.3.

## Day 2: Packet Tracer Checklists

The following online changes affect the CCNA Discovery 2 checklist in this chapter:

Start on Page 147 and make the following changes to the CCNA Discovery 2 checklist:

- Add - 1.2.3.4: Interpret the output of ping and traceroute.
- Add - 1.3.1.3: Identify appropriate equipment to meet the business needs of ISP customers.
- Change 2.3.1.3 to 2.3.1.4.
- Add - 4.1.3.5: Subnet a network to meet the requirements of multiple LANs.
- Add - 4.2.3.3: Examine the contents of the IP header as traffic crosses the NAT border.
- Cross out 5.1.5.2 (replaced by a hands-on lab in 5.1.3).
- Change 5.3.8.2 to 5.3.8.3.
- Change 5.3.9.2 to 5.3.9.3.
- Change 5.4.3.4 to 5.5.3.4.
- Change 5.4.4.2 to 5.5.4.4.
- Change 5.4.4.5 to 5.5.5.2.
- Change 5.5.6.2 to 5.4.4.2.
- Change 8.2.4.2 to 8.2.4.3.
- Change 9.0.1.2 to 10.0.1.2.

## Day 1: Final Overview

The updated curriculum includes a new CCENT review chapter. When you read Day 1 in this book, you should also review Chapter 9 of the curriculum. Chapter 9 includes a valuable troubleshooting-and-router-output perspective similar to scenarios you will encounter on the CCENT exam. Chapter 9 also provides CCENT preparation advice and references *31 Days Before Your CCENT Certification* in section 9.6.4. Use this book as a print companion to the review topics and CCENT preparation described in Chapter 9.

# 31 Days Before Your CCENT Certification

Scott Bennett

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**This Version 4.1 Update pertains to only the first printing of the main book.**

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