

CCNA R&S: Connecting Networks Release Notes

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Purpose

Cisco CCNA® Routing and Switching is the fifth major release of the Cisco Networking Academy® CCNA curriculum. Connecting Networks is the fourth course in the curriculum. These notes provide detailed information about this release, including course content, known issues, and support information.

Release Content

Table 1. Content included in the Connecting Networks course release

Component	Description
E-Learning Content	9 chapters
Labs	12 hands-on labs, two research labs, and one video demonstration
Skills Assessments	1 hands-on skills assessment (using equipment) to measure skill acquisition
Cisco® Packet Tracer Activities PT version 6.0.1 or higher is required	21 Packet Tracer activities
Packet Tracer Skills Integration Challenges	6 skills integration challenge activities
Interactive Activities	41 interactive activities embedded throughout the course
Modeling Activities	18 modeling activities embedded throughout the course
Syntax Checkers	14 syntax checkers embedded throughout the course to practice entering Cisco IOS commands
Pre-Test	1 pre-test to measure pre-requisite knowledge and pre-existing knowledge This can be used to understand what students know before starting the course to direct planning and customization of the curriculum.
Section Quizzes	2 section quizzes that target specific topics within a section or across sections
Chapter Quizzes	9 modifiable chapter quizzes
Chapter Exams	9 chapter exams containing simulation-based, multiple choice, drag-and-drop, and fill-in-the-blank questions
Practice Packet Tracer Skills Assessment	1 variable practice PTSA to support skills acquisition during course progression 1 variable practice PTSA to support skills acquisition preparation for hands-on assessment at the end of the course
Practice Final Exam	1 practice final exam
Final Exam	1 final exam with field test pool items
CCNA Certification Practice Exam	1 practice certification exam at the end of the course
Accessibility	9 chapters contain accessible text and media text, and all videos include closed captioning (CC)

Known Issues and Caveats

Table 2. Identifies known issues and caveats for the Connecting Networks course

Item	Description
Text Area Sizing	After resizing the text area of a page, subsequent pages retain the same text area size. The text area size will return to default when the browser session ends.
Form-Fillable PDFs	Open these documents in Adobe Reader to help ensure the form-fillable fields load properly. Opening these documents in a web browser is not recommended.
Syntax Checker	This is a new tool made available to practice entering Cisco IOS commands. It is intended to familiarize students with the command syntax when implementing particular technologies. It is limited in functionality to the specific instructions provided in a Syntax Checker activity.

Certification Exam Alignment

Table 3. Identifies topics that have been removed from the Cisco ICND2 (200-101) certification exam and topics that have been added to the new ICND2 certification exam

Topics Removed from ICND2 200-101 Exam	Topics Added to ICND2 Exam
Routing Between VLANs	Troubleshooting VLAN Connectivity
Securing the Expanded Network	Understanding Spanning Tree Protocol
Implementing VLSM	Understanding and Configuring Etherchannel
Scaling the Network with NAT and PAT	Understanding Layer 3 Redundancy Protocols
	Troubleshooting IPv4 Network Connectivity
	Troubleshooting IPv6 Network Connectivity
	Implementing EIGRP
	Troubleshooting EIGRP
	Implementing EIGRP for IPv6
	Multiarea OSPF IPv4 Implementation
	Understanding and Configuring OSPFv3
	Understanding and Configuring Clients for SNMP, Syslog, and NetFlow
	Managing Cisco Devices
	Understanding and Verifying Cisco Licensing

Table 4. Identifies topics that have been added to the new ICND2 (200-101) certification exam and where they are covered in the CCNA Routing and Switching: Connecting Networks course.

Note: Some ICND2 certification exam topics are not included in this course and are covered in other CCNA Routing and Switching courses. These are identified as “covered in another CCNA Routing and Switching course” in the table below.

ICND2 (200-101)	Connecting Networks
LAN Switching Technologies	
1.1 Identify enhanced switching technologies, such as: RSTP, PVSTP, and Etherchannel	Covered in another CCNA Routing and Switching course
1.2 Configure and verify PVSTP operation	Covered in another CCNA Routing and Switching course
IP Routing Technologies	
2.1 Describe the boot process of Cisco IOS routers	Covered in another CCNA Routing and Switching course
2.2 Configure and verify operation status of a serial interface.	Covered in another CCNA Routing and Switching course
2.3 Manage Cisco IOS files	Covered in another CCNA Routing and Switching course
2.4 Differentiate methods of routing and routing protocols	Covered in another CCNA Routing and Switching course
2.5 Configure and verify OSPF (multi-area)	Chapter 9: Troubleshooting the Network
2.6 Configure and verify EIGRP (single AS)	Chapter 9: Troubleshooting the Network
IP Services	
3.1 Recognize high availability (FHRP)	Covered in another CCNA Routing and Switching course
3.2 Configure and verify Syslog	Chapter 8: Monitoring the Network Chapter 9: Troubleshooting the Network
3.3 Describe SNMP v2 & v3	Chapter 8: Monitoring the Network
Troubleshooting	
4.1 Identify and correct common network problems	Covered in another CCNA Routing and Switching course
4.2 Utilize NetFlow data	Chapter 8: Monitoring the Network
4.3 Troubleshoot and resolve spanning tree operation issues	Chapter 9: Troubleshooting the Network
4.4 Troubleshoot and resolve routing issues	Chapter 9: Troubleshooting the Network
4.5 Troubleshoot and resolve OSPF problems	Covered in another CCNA Routing and Switching course
4.6 Troubleshoot and resolve EIGRP problems	Chapter 4: Frame Relay
4.7 Troubleshoot and resolve inter-VLAN routing problems	Covered in another CCNA Routing and Switching course
4.8 Troubleshoot and resolve WAN implementation issues	Chapter 3: Point-to-Point Connections Chapter 4: Frame Relay Chapter 5: Network Address Translation for IPv4
4.9 Monitor NetFlow statistics	Chapter 8: Monitoring the Network
4.10 Troubleshoot Etherchannel problems	Covered in another CCNA Routing and Switching course
WAN Technologies	
5.1 Identify different WAN technologies	Chapter 2: Connecting to the WAN Chapter 3: Point-to-Point Connections
5.2 Configure and verify a basic WAN serial connection	Chapter 2: Connecting to the WAN Chapter 3: Point-to-Point Connections Chapter 4: Frame Relay

5.3 Configure and verify a PPP connection between Cisco routers	Chapter 3: Point-to-Point Connections
5.4 Configure and verify Frame Relay on Cisco routers	Chapter 4: Frame Relay
5.5 Implement and troubleshoot PPPoE	Chapter 6: Broadband Solutions

Support

For general assistance with curriculum, classroom, or program issues, please contact the Networking Academy™ Support Desk by signing into the Cisco NetSpace™ learning environment and clicking **Help > Contact Support** at the top of the page.



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