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*This much-needed update to the  
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*changes to the local area networks (LAN) switching technologies explains why LAN switching technologies are critical to network design. This in-depth guide covers the capabilities, application, and design of LAN switches and*

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*switched internetworks and examines the significant changes that have taken place since the publication of the first edition seven years ago. You're sure to appreciate the witty writing style and easy-to-follow format on such*

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*the services available to the Junos administrator, including the new set of flow-based security services as well as design guidelines incorporating new services and features of MX, SRX, and EX network devices.*

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*Windows and UNIX command-line tools for network administration and troubleshooting Network security Troubleshooting common Layer 2, Layer 3, and wireless networking issues CompTIA Network+ N10-006 Cert Guide*



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*contains proven study features that enable you to succeed on the exam the first time. Best-selling authors and expert instructors Keith Barker and Kevin Wallace share preparation hints and test-taking tips, helping you identify areas of*

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*weakness and improve both your conceptual knowledge and hands-on skills, essential for successful completion of the performance-based testing items on the exam. This complete, CompTIA-approved study package includes the*

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*following: A test-preparation  
routine proven to help you pass the  
exams approved by CompTIA  
Clearly defined chapter learning  
objectives covering all N10-006  
exam topics Chapter-ending review  
questions and exam preparation*

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*exercises, which help you drill on  
key concepts you must know  
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software, complete with hundreds  
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questions, customization options,*

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*through tools and resources to help  
you craft your review and test-  
taking strategies An Exam  
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recaps all major chapter topics for  
easy reference, both in print and  
interactive digital format A key*

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*terms Glossary in both print and on the DVD, which acts as an interactive flash-card application Study plan suggestions and templates to help you organize and optimize your study time A 10% exam discount voucher (a \$27*



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*that ensure your exam success.*

*Keith Barker, CCIE No. 6783, has been working in the information technology (IT) industry since 1985. He currently enjoys creating effective and entertaining video training for CBT Nuggets. He has*

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*certifications from VMware, Cisco, Juniper, HP, Check Point, Palo Alto, (ISC)2, and many others.*

*Kevin Wallace, CCIEx2*

*(Collaboration and R/S) NO. 7945, has been a network design specialist for the Walt Disney World Resort,*

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*an instructor of networking courses for Skillsoft, and a network manager for Eastern Kentucky University. Kevin currently produces video courses and writes books for Cisco Press/Pearson IT Certification*

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*(<http://kwtrain.com/books>).*

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contains more than 200 practice  
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test-taking tips, helping you identify*

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*areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. This complete study*

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*on key concepts you must know  
thoroughly Practice exercises that  
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More than 60 minutes of video  
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*Describes the objectives of the  
CCNA INTRO exam and provides  
information on such topics as  
network types, switching  
fundamentals, TCP/IP, WAN  
technologies, IOS devices, and*

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two consecutive years,  
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that the social sciences  
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*major practical role in  
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/ redistribution and learn  
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routing protocols like  
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pass three 120-minute  
exams—ROUTE 300-101,  
SWITCH 300-115, TSHOOT  
300-135—that validate the  
key competencies of*

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*network engineers. The  
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curriculum consists of  
three experience-oriented  
courses that employ  
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IP Routing, CCNP SWITCH:  
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and CCNP TSHOOT:  
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teaches students how to  
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maintain switching in  
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*will learn how to plan, configure, and verify the implementation of complex enterprise switching solutions. The course also covers the secure integration of VLANs,*

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*comprehensive labs in this manual emphasize hands-on learning and practice to reinforce configuration skills.*

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covers the following essentials:  
Core JavaScript syntax, such as  
value types, operators,  
expressions, and statements  
provided by ECMAScript. Features  
for manipulating XHTML, CSS, and  
events provided by DOM. Object-  
oriented JavaScript, including

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prototypal and classical inheritance, deep copy, and mixins. Closure, lazy loading, advance conditional loading, chaining, currying, memoization, modules, callbacks, recursion, and other powerful function techniques. Encoding data with JSON or XML.

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dollars.) Thanks for making The Bryant Advantage part of your CCNP success story! Let's get started! Chris Bryant CCIE #12933 "The Computer Certification Bulldog"

Cisco has announced big changes to its certification program. As of

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February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current



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CCNA. This means if you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or

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alongside the Sybex CCNA Routing and Switching Complete Study Guide, 2nd Edition. Coverage includes LAN switching technologies, IP routing, IP services, IPv4 and IPv6 addressing, network device security, WAN technologies, and

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cloud computing and  
virtualization; and codes  
and standards. Clear goals  
are outlined for each  
chapter, and every concept  
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***understand language that explains how and why networking technologies are used. Each chapter is packed with real-world examples and practical exercises that reinforce all***

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through using them to  
configure, analyze, and fix  
networks. Key Pedagogical  
Features NET-CHALLENGE  
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*presents techniques and  
examples of data traffic  
analysis throughout  
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EXAMPLES IN EVERY  
CHAPTER to reinforce key  
concepts and promote  
mastery KEY TERM  
DEFINITIONS, LISTINGS,***

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master the language of  
networking QUESTIONS,  
PROBLEMS, AND CRITICAL  
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includes Net-Challenge  
Simulation Software,  
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on Security Operations  
Center (SOC) teams to  
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topics sections calling  
attention to every figure,  
table, and list you must  
know Exam Preparation  
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complete final study plan A  
customizable practice test  
library This guide offers  
comprehensive, up-to-date  
coverage of all CBROPS***

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***key concepts with exam  
preparation tasks This is  
the eBook edition of the  
CCNP and CCIE Enterprise  
Core ENCOR 350-401  
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eBook does not include***

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Chapter 1: Introduction  
(Don't worry, I kept it short  
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Chapter 2: Converting***

***Binary To Decimal Chapter  
3: Binary-to-Decimal  
Exercises Chapter 4:  
Converting Decimals to  
Binary Strings Chapter 5:  
Decimal-to-Binary  
Conversion Exercises***

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Number Of Valid Hosts On  
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Range Of Valid Addresses  
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***Exercises Chapter 16: Even  
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Chapter 18: Variable-  
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***Exercises Chapter 20:  
Bonus Chapter -- Route  
Summarization Chapter 21:  
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22: Practice Exam #2  
Chapter 23: Practice Exam  
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Wendell Odom, CCIE® No. 1624, is a 28-year veteran of the networking industry. He currently works as an independent author of Cisco certification resources and occasional instructor of Cisco authorized training for Skyline ATS. He has worked as a network engineer, consultant, systems

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engineer, instructor, and course developer. He is the author of several best-selling Cisco certification titles. He maintains lists of current titles, links to Wendell ' s blogs, and other certification resources at [www.TheCertZone.com](http://www.TheCertZone.com). This official study guide helps you master all the

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creation of IP networks and sub-networks and how to assign addresses in the network. You will then move on to understanding how to configure, verify, and troubleshoot layer 2 and layer 3 protocols. In addition to this, you will discover the functionality, configuration, and troubleshooting of DHCPv4.

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Combined with router and router simulation practice, this certification guide will help you cover everything you need to know in order to pass the CCNA Routing and Switching 200-125 exam. By the end of this book, you will explore security best practices, as well as get familiar with the protocols that a network administrator can

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IPv6 security Threat mitigation and  
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