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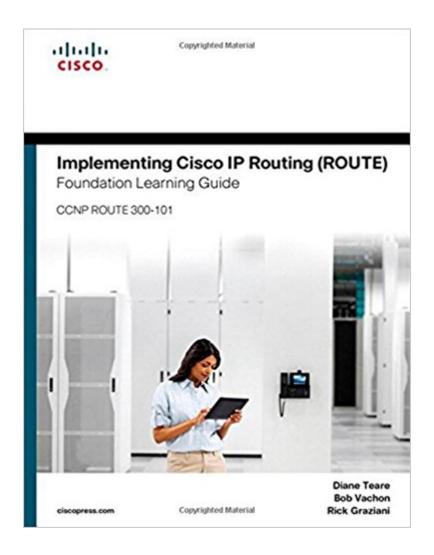
Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide: (CCNP ROUTE 300-101) (Foundation Learning Guides)

Synopsis

Now updated for CiscoÃ¢â ¬â„¢s new ROUTE 300-101 exam, Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide is your CiscoÃ Â®Ã Â authorized learning tool for CCNPÃ Â®Ã Â or CCDPÃ Â®Ã Â preparation. Part of the Cisco Press Foundation Learning Series, it teaches you how to plan, configure, maintain, and scale a modern routed network. Ã Â Focusing on Cisco routers connected in LANs and WANs at medium-to-large network sites, the authors show how to select and implement Cisco IOS services for building scalable, routed networks. They examine basic network and routing protocol principles in detail; introduce both IPv4 and IPv6; fully review EIGRP, OSPF, and BGP; explore enterprise Internet connectivity; cover routing updates and path control; and present todayÃ¢â ¬â„¢s router security best practices. Ã Â Each chapter opens with a list of topics that clearly identifies its focus. Each chapter ends with a summary of key concepts for quick study, as well as review questions to assess and reinforce your understanding. Throughout, configuration and verification output examples illustrate critical issues in network operation and troubleshooting. Ã Â This guide is ideal for all certification candidates who want to master all the topics covered on the ROUTE 300-101 exam. Ã Â Serves as the official book for the newest version of the Cisco Networking Academy CCNP ROUTE course Includes all the content from the newest Learning@Cisco ROUTE course and information on eachÃ Â of the ROUTE exam topics Compares basic routing protocol features and limitations Examines RIPv2 and RIPng Covers EIGRP operation and implementation for both IPv4 and IPv6 Explores OSPFv2 implementation, and OSPFv3 for both IPv4 and IPv6 Discusses network performance optimization via routing updates Introduces path control with Cisco Express Forwarding (CEF) switching, policy-based routing (PBR), and service level agreements (SLAs) Addresses enterprise Internet connectivity via single or redundant ISP connections Explains BGP terminology, concepts, operation, configuration, verification, and troubleshooting Covers securing the management plane of Cisco routers using authentication and other recommended practices Presents self-assessment review questions, chapter objectives, and summaries to facilitate effective studying Ã Â Ã Â

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Customer Reviews

Diane Teare, P.Eng, CCNP, CCDP, CCSI, PMP, is a professional in the networking, training, project management, and e-learning fields. She has more than 25 years of experience in designing, implementing, and troubleshooting network hardware and software, and has been involved in teaching, course design, and project management. She has extensive knowledge of network design and routing technologies. Diane is a Cisco Certified Systems Instructor (CCSI), and holds her Cisco Certified Network Professional (CCNP), Cisco Certified Design Professional (CCDP), and Project Management Professional (PMP) certifications. She is an instructor, and the Course Director for the CCNA and CCNP Routing and Switching curriculum, with one of the largest authorized Cisco Learning Partners. She was the director of e-learning for the same company, where she was responsible for planning and supporting all the companyÃ¢â ¬â„¢s e-learning offerings in Canada, including Cisco courses. Diane has a bachelorÃ¢â ¬â„¢s degree in applied science in electrical engineering and a masterÃ¢â ¬â„¢s degree in applied science in management science. She authored or co-authored the following Cisco Press titles: the first edition of this book; the second edition of Designing Cisco Network Service Architectures (ARCH); Campus Network Design Fundamentals; the three editions of Authorized Self-Study Guide Building Scalable Cisco Internetworks (BSCI); and Building Scalable Cisco Networks. Diane edited the first two editions of the Authorized Self-Study Guide Designing for Cisco Internetwork Solutions (DESGN), and Designing Cisco Networks. Ã Â Bob Vachon, is a professor at Cambrian College in Sudbury, Ontario, Canada, where he teaches Cisco networking infrastructure courses. He has more than 30 years of work and teaching experience in the computer networking and information technology field. Since 2001, Bob has collaborated as team lead, lead author, and subject matter expert on various CCNA, CCNA-S, and CCNP projects for Cisco and the Cisco Networking Academy. He also was a contributing author for the Routing Protocols Companion Guide, Connecting Networks Companion

Guide, and authored the CCNA Security (640-554) Portable Command Guide. In his downtime, Bob enjoys playing the guitar, playing pool, and either working in his gardens or white-water canoe tripping. Ã Â Rick Graziani teaches computer science and computer networking courses at Cabrillo College in Aptos, California. Rick has worked and taught in the computer networking and information technology field for almost 30 years. Before teaching, Rick worked in IT for various companies, including Santa Cruz Operation, Tandem Computers, and Lockheed Missiles and Space Corporation. He holds a Master of Arts degree in computer science and systems theory from California State University Monterey Bay. Rick also works for the Cisco Networking Academy Curriculum Engineering team and has written other books for Cisco Press, including IPv6 Fundamentals. When Rick is not working, he is most likely surfing. Rick is an avid surfer who enjoys surfing at his favorite Santa Cruz breaks.

This book has provided me with a lot of understanding on why and when to implement a certain protocols on a network. I recommend this book for anyone who trying to figure out the results of your actions of what you are trying to accomplish and what to expect when you make changes in a networking.This book has become the glue to the puzzle pieces. My goal is not just to pass the CCNP test but to be able to explain it, design and implement it. I would suggest cross reference information to verify but like someone said on this review it can only make you a better engineer over all

I solely used this book and some misc Googling and passed the 301 exam easily. There were a number of mistakes in screen dumps and examples, but in my mind, finding the mistakes is part of confirming you understand the material. I don't think they took away from the educational value of the book.

long winded hard too read at times

Everything is fine

Exactly what I expected when ordering. No complaints!

Great book with tons of information. I have a BS in Systems Network Administration. I also have an associates degree in computer electronics I took a years worth of Cisco networking academy

classes and CCNP class. My title is electronic support specialist at the community college in which I took all the Cisco courses. My job is to maintain all of the Cisco networking equipment. This book helps me to help assist with the students and the faculty for implementing additional learning as well as the equipment upkeep.

The book currently has a word document 32 pages long of errata. The amount of errors I have found not listed in the errata would double the errata size. Reading this book is extremely slow and difficult knowing that it's extremely likely you are learning inaccurate information. This forces you to utilize other sources to verify everything you are reading.

Anyone who gives this book a rating above 2 is a poor judge of...anything. I paid money and received a book of errors and mis-information.Cisco press books has lost creditability with the IT community. I hope that they don't write their IOSs like they do their books.Cisco will not take responsibility for this book but they collect royalties on its sale. I bet if someone plagiarize Cisco would take them to court.Even their erratas (published corrections) have errors and mis-information.This book is like purchasing a broken product. Now I have to fix it. This is the same as purchasing a brand new 2015 car and paying to have the engine fix before you drive it off the lot.

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