Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides)

By Kevin Wallace

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace

Implementing Cisco Unified Communications Voice over IP and QoS (CVOICE)
Foundation Learning Guide
Foundation Learning for the CCNP® Voice (CVOICE) 642-437 Exam

Kevin Wallace, CCIE® No. 7945

Implementing Cisco Unified Communications Voice over IP and QoS (CVOICE) Foundation Learning Guide is a Cisco®-authorized, self-paced learning tool for CCNP Voice foundation learning. Developed in conjunction with the Cisco CCNP Voice certification team, it covers all aspects of planning, designing, and deploying Cisco VoIP networks and integrating gateways, gatekeepers, and QoS into them.

Updated throughout for the new CCNP Voice (CVOICE) Version 8.0 exam (642-437), this guide teaches you how to implement and operate gateways, gatekeepers, Cisco Unified Border Element, Cisco Unified Communications Manager Express, and QoS in a voice network architecture. Coverage includes voice gateways, characteristics of VoIP call legs, dial plans and their implementation, basic implementation of IP phones in Cisco Unified Communications Manager Express environment, and essential information about gatekeepers and Cisco Unified Border Element. The book also provides information on voice-related QoS mechanisms that are required in Cisco Unified Communications networks.

Fourteen video lab demonstrations on the accompanying CD-ROM walk you step by step through configuring DHCP servers, CUCME autoregistration, ISDN PRI

circuits, PSTN dial plans, DID, H.323 and MGCP gateways, VoIP dial peering, gatekeepers, COR, AutoQoS VoIP, and much more.

Whether you are preparing for CCNP Voice certification or simply want to gain a better understanding of VoIP and QoS, you will benefit from the foundation information presented in this book.

- Voice gateways, including operational modes, functions, related call leg types, and routing techniques
- Gateway connections to traditional voice circuits via analog and digital interfaces
- Basic VoIP configuration, including A/D conversion, encoding, packetization, gateway protocols, dial peers, and transmission of DTMF, fax, and modem tones
- Supporting Cisco IP Phones with Cisco Unified Communications Manager Express
- Dial plans, including digit manipulation, path selection, calling privileges, and more
- Gatekeepers, Cisco Unified Border Elements, and call admission control (CAC) configuration
- QoS issues and mechanisms
- Unique DiffServ QoS characteristics and mechanisms
- Cisco AutoQoS configuration and operation

Companion CD-ROM
The CD-ROM that accompanies this book contains 14 video lab demonstrations running approximately 90 minutes.
This book is in the Foundation Learning Guide Series. These guides are developed together with Cisco® as the only authorized, self-paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams.

⬇ **Download** Implementing Cisco Unified Communications Voice ov ...pdf

📄 **Read Online** Implementing Cisco Unified Communications Voice ...pdf

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides)

By Kevin Wallace

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace

Implementing Cisco Unified Communications Voice over IP and QoS (CVOICE)
Foundation Learning Guide
Foundation Learning for the CCNP® Voice (CVOICE) 642-437 Exam

Kevin Wallace, CCIE® No. 7945

Implementing Cisco Unified Communications Voice over IP and QoS (CVOICE) Foundation Learning Guide is a Cisco®-authorized, self-paced learning tool for CCNP Voice foundation learning. Developed in conjunction with the Cisco CCNP Voice certification team, it covers all aspects of planning, designing, and deploying Cisco VoIP networks and integrating gateways, gatekeepers, and QoS into them.

Updated throughout for the new CCNP Voice (CVOICE) Version 8.0 exam (642-437), this guide teaches you how to implement and operate gateways, gatekeepers, Cisco Unified Border Element, Cisco Unified Communications Manager Express, and QoS in a voice network architecture. Coverage includes voice gateways, characteristics of VoIP call legs, dial plans and their implementation, basic implementation of IP phones in Cisco Unified Communications Manager Express environment, and essential information about gatekeepers and Cisco Unified Border Element. The book also provides information on voice-related QoS mechanisms that are required in Cisco Unified Communications networks.

Fourteen video lab demonstrations on the accompanying CD-ROM walk you step by step through configuring DHCP servers, CUCME autoregistration, ISDN PRI circuits, PSTN dial plans, DID, H.323 and MGCP gateways, VoIP dial peering, gatekeepers, COR, AutoQoS VoIP, and much more.

Whether you are preparing for CCNP Voice certification or simply want to gain a better understanding of VoIP and QoS, you will benefit from the foundation information presented in this book.

- Voice gateways, including operational modes, functions, related call leg types, and routing techniques
- Gateway connections to traditional voice circuits via analog and digital interfaces
- Basic VoIP configuration, including A/D conversion, encoding, packetization, gateway protocols, dial peers, and transmission of DTMF, fax, and modem tones
- Supporting Cisco IP Phones with Cisco Unified Communications Manager Express
- Dial plans, including digit manipulation, path selection, calling privileges, and more
- Gatekeepers, Cisco Unified Border Elements, and call admission control (CAC) configuration
- QoS issues and mechanisms
- Unique DiffServ QoS characteristics and mechanisms
- Cisco AutoQoS configuration and operation

Companion CD-ROM

The CD-ROM that accompanies this book contains 14 video lab demonstrations running approximately 90 minutes.

This book is in the Foundation Learning Guide Series. These guides are developed together with Cisco® as the only authorized, self-paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams.

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace Bibliography

- Rank: #1230957 in Books
- Brand: Brand: Cisco Press
- Published on: 2011-06-03
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x 1.70" w x 7.70" l, 3.13 pounds
- Binding: Hardcover
- 736 pages

Download and Read Free Online Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace

Editorial Review

About the Author

Kevin Wallace, CCIE No. 7945, is a certified Cisco instructor and holds multiple Cisco certifications, including the CCSP, CCVP, CCNP, and CCDP, in addition to multiple security and voice specializations. With Cisco experience dating back to 1989 (beginning with a Cisco AGS+ running Cisco IOS 7.x), Kevin has been a network design specialist for the Walt Disney World Resort, a senior technical instructor for SkillSoft/Thomson NETg/KnowledgeNet, and a network manager for Eastern Kentucky University. Kevin holds a bachelor's of science degree in electrical engineering from the University of Kentucky. Also, Kevin has authored multiple books for Cisco Press, including *CCNP TSHOOT 642-832 Official Certification Guide*, *Routing Video Mentor*, and the Video Mentor component of the *TSHOOT 642-832 Cert Kit*, all of which target the current CCNP certification. Kevin lives in central Kentucky with his wife, Vivian, and two daughters, Stacie and Sabrina. You can follow Kevin online through the following social media outlets:

¿ Web page: http://1ExamAMonth.com
¿ Facebook Fan Page: Kevin Wallace Networking
¿ Twitter: http://twitter.com/kwallaceccie
¿ YouTube: http://youtube.com/kwallaceccie
¿ Network World blog: http://nww.com/community/wallace
¿ iTunes: 1ExamAMonth.com Podcast

Users Review

From reader reviews:

Doris Simmons:

Have you spare time to get a day? What do you do when you have more or little spare time? Yep, you can choose the suitable activity for spend your time. Any person spent all their spare time to take a go walking, shopping, or went to often the Mall. How about open or perhaps read a book allowed Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides)? Maybe it is to be best activity for you. You know beside you can spend your time with the favorite's book, you can smarter than before. Do you agree with its opinion or you have other opinion?

Kimberly Rubio:

The book Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) can give more knowledge and information about everything you want. Why then must we leave a good thing like a book Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides)? A number of you have a

different opinion about e-book. But one aim this book can give many details for us. It is absolutely suitable. Right now, try to closer using your book. Knowledge or facts that you take for that, you can give for each other; it is possible to share all of these. Book Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) has simple shape however, you know: it has great and massive function for you. You can appear the enormous world by open up and read a e-book. So it is very wonderful.

Francisco Gentry:

As people who live in often the modest era should be up-date about what going on or data even knowledge to make these keep up with the era that is always change and make progress. Some of you maybe will certainly update themselves by reading books. It is a good choice for yourself but the problems coming to an individual is you don't know what kind you should start with. This Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) is our recommendation so you keep up with the world. Why, as this book serves what you want and wish in this era.

Michael Sweet:

Reading a book to become new life style in this 12 months; every people loves to go through a book. When you learn a book you can get a lot of benefit. When you read books, you can improve your knowledge, due to the fact book has a lot of information upon it. The information that you will get depend on what types of book that you have read. If you need to get information about your research, you can read education books, but if you act like you want to entertain yourself you are able to a fiction books, these us novel, comics, along with soon. The Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) offer you a new experience in studying a book.

Download and Read Online Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace #Y4FLW0QXOPV

Read Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace for online ebook

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace books to read online.

Online Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace ebook PDF download

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace Doc

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace Mobipocket

Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace EPub

Y4FLW0QXOPV: Implementing Cisco Unified Communications Voice over IP and QoS (Cvoice) Foundation Learning Guide: (CCNP Voice CVoice 642-437) (4th Edition) (Foundation Learning Guides) By Kevin Wallace