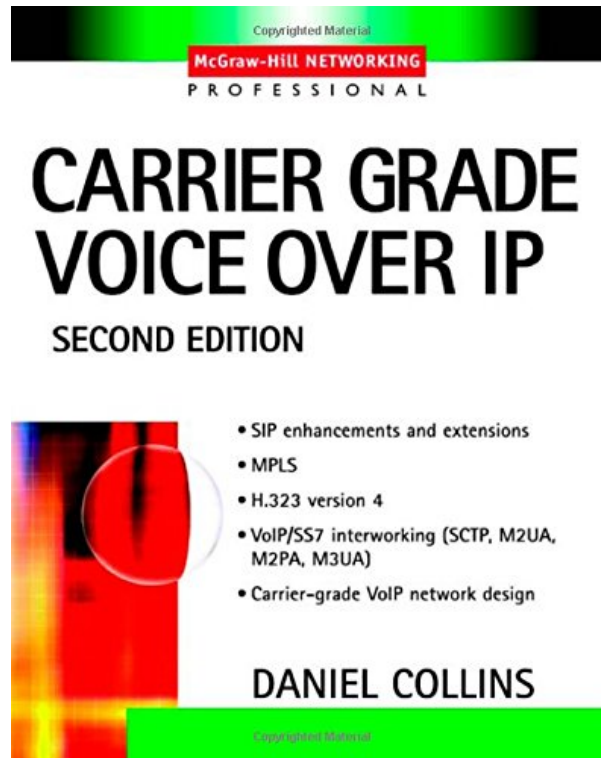


CARRIER GRADE VOICE OVER IP (SECOND EDITION) BY DANIEL COLLINS



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CARRIER GRADE VOICE OVER IP

SECOND EDITION



- SIP enhancements and extensions
- MPLS
- H.323 version 4
- VoIP/SS7 interworking (SCTP, M2UA, M2PA, M3UA)
- Carrier-grade VoIP network design

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From the Back Cover

NEW EDITION OF---CUTTING-EDGE SOLUTIONS CUT-TO-THE-CHASE STYLE

In the race to put carrier-quality voice over IP (VoIP)—those using this book run faster and falter less. International expert Daniel Collins' greatly enhanced Carrier Grade Voice over IP brings you leading-edge signaling schemes, protocol apps, and quality of service (QoS) techniques—and more importantly, the answers to making them work together.

Skipping needless history, chitchat, and math, Collins gets right down to solutions with solid information on protocols' purposes and uses. He gives you the newest information with hands-on details, showing you how to:

- * Use ITU and IETF protocols to build next-generation networks
- * Enable advanced features and services, including expanded SIP coverage
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- * Seamlessly interwork VoIP systems with traditional telephony networks
- * Design real-world VoIP networks (new chapter)
- * Pull the pieces together into a system that works—and does not break

Complete with numerous specific examples of how the protocols are used and integrated, this just-in-time guide supplies the solutions you need to roll out competitive quality VoIP.

Jumpstart carrier-quality VoIP with help from international expert Daniel Collins

About the Author

Daniel Collins has worked in the telecommunications industry for 15 years. He spent approximately nine years with Ericsson in various countries, including Ireland, Australia, the United Kingdom and the United

States. During that time he worked extensively with both wireline and wireless network technologies. He helped to develop and deploy 2G wireless systems in Europe; he played a major role in the adaptation of GSM standards for use in the United States; and he was a major contributor to the launch of some of the earliest PCS networks in North America.

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CARRIER GRADE VOICE OVER IP (SECOND EDITION) BY DANIEL COLLINS PDF

In 2002 voice over IP will constitute more than 25% of all long distance voice calls, according to Network World. That's more than a 30% ramp-up from 2001. The emergence of SIP, MPLS and new quality of service tools is making carrier grade voice over IP a service reality, and a potentially huge margin booster and revenue driver for service providers. The first edition of Carrier Grade Voice over IP played a roll in VoIP growth, in less than year becoming an essential tool for carriers working to provide high quality IP telephony. This new edition vastly updates the SIP chapter, details MPLS, and takes the explanations of the previous edition a step further in a final chapter that shows, step by step, how to design working VoIP networks.

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Collins is co-author of 3G Wireless Networks, published by McGraw-Hill. He holds a degree in Electrical and Electronic engineering from the National University of Ireland.

Most helpful customer reviews

6 of 7 people found the following review helpful.

Excellent intro to VoIP

By RR

This book does a very good job of giving an introduction to the VoIP world. As a professional in the telecom domain, I found this book very useful. Application of VoIP to telco domain as in the case of softswitch architecture for backhaul and the QoS issues that carriers have to deal with is also well covered at a good amount of detail. The book also provides detailed discussion on the protocols. However, I skipped passed these sections and unable to comment if such material was covered well.

Overall - a very good book. Highly recommend it.

3 of 3 people found the following review helpful.

Top marks for clarity

By F. Sisk

Top Marks for this highly readable and clear intro to Voice over IP. The subject matter is dealt with in reasonable detail and the author achieves great clarity in explaining difficult technical concepts. He also delves a bit into the history and background which also helps to put the subject matter in context. He even adds a small example of how to go about dimensioning a VOIP network at the end of the book.

0 of 0 people found the following review helpful.

Best VoIP book ever

By Jeff Rhodes

The standards described here but over a decade ago in 2nd Edition are still working today, so IMO the book is still relevant and uptodate. Written when H.323 was predominant, it fully covers SIP and correctly predicted that SIP would prevail. There are the details of codec negotiation, there are complete call flows and all the various standards' frame references are documented. If you want to know how these protocols work, "Carrier Grade Voice Over IP" is classic.

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