



Carrier Grade Voice Over IP (second edition)

By Daniel Collins

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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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Carrier Grade Voice Over IP (second edition) By Daniel Collins Bibliography

- Sales Rank: #2086277 in Books
- Published on: 2002-09-17
- Original language: English
- Number of items: 1
- Dimensions: 9.30" h x 1.26" w x 7.40" l, 2.00 pounds
- Binding: Paperback
- 522 pages

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Editorial Review

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
- * Provide wireline-quality service with resource reservation schemes and QoS techniques, including the latest information on MPLS advances
- * Overcome limitations inherent in IP
- * 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.

Since leaving Ericsson, Daniel has worked for a new telecommunications carrier and, more recently as a consultant. In a consultancy capacity, he has provided wireless and VoIP engineering expertise to numerous network operators, consultancy companies and infrastructure vendors. Daniel's clients include PrimeCo Personal Communications (now part of Verizon Wireless), Synacom Technology, AT&T Wireless, Alcatel USA and several other companies.

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.

Users Review

From reader reviews:

William Herold:

Information is provisions for anyone to get better life, information presently can get by anyone in everywhere. The information can be a know-how or any news even a problem. What people must be consider whenever those information which is from the former life are challenging to be find than now could be taking seriously which one is acceptable to believe or which one typically the resource are convinced. If you get the unstable resource then you get it as your main information you will see huge disadvantage for you. All those possibilities will not happen within you if you take Carrier Grade Voice Over IP (second edition) as the daily resource information.

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Pat Thomas:

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