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ADSL & DSL Technologies



Synopsis

This comprehensive guide shows telecommunication engineers and DSL vendors how to quickly get a handle on ADSL and DSL technology without having to wade through technical documentation. In addition, it provides detailed information on installation of ADSL and DSL technology.

Book Information

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Customer Reviews

Writing a popular book about xDSL technology is a daunting task, but one that Walter Goralski largely accomplishes in his book "ADSL and DSL technologies." The book begins with a global view of the US telecommunications network, how the Internet is challenging this network, and what technologies are being developed to address the problems. This world view does an excellent job of placing xDSL technologies in perspective: they are solutions to digital data transport over portions of a telecommunications network designed specifically for analog voice traffic. The author has provided an excellent summary of how the American telephone network began, how it evolved, the various regulatory actions along the way, and the current state of affairs. For example, many people familiar with load coils and bridge taps know they can cause problems for xDSL technologies. Goralski explains how these devices got into the network in the first place, and the specific problems they pose for digital high-speed technologies. As part of this discussion the author describes the first

analog systems, later digital systems, multiplexing and trunk topologies, different switching technologies (packet and circuit) and the first wave of digital services such as ISDN. After a brief discussion of modems, the author launches into the main subject, which is the xDSL family of products and technology. He gives a brief high-level descriptions of HDSL, SDSL, RADSL, CDSL, IDSL, ADSL, and VDSL. Up to this point the number of acronyms is relatively manageable, but once he begins discussing xDSL in earnest the acronyms emerge exponentially. Fortunately, Goralski has a list of about 250 acronyms in the back of the book.

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