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understand and evaluate the delivery of carrier ethernet using different technologies carrier ethernet is rapidly becoming the de facto platform for offering the next generation of high bandwidth multimedia applications delivering carrier ethernet extending ethernet beyond the lan provides for the very first time an in depth assessment of the various network solutions that can be used to deliver carrier ethernet services the book is based on extensive real world deployments and is written by globally renowned experts a standard solution framework is used consistently throughout to address each underlying technology its benefits and pitfalls deployment approaches ongoing developments economic assessments and key vendors promoting the solution the potential evolution of carrier ethernet itself is also considered in detail copper hfc hybrid fiber coax pons passive optical networks tdm time division multiplexing fiber and wdm wavelength division multiplexing optical wireless mesh network free space optics sonet synchronous optical networking mspp multi service provisioning platform rpr resilient packet ring bridging switching mpls multiprotocol label switching wimax wimac

this is the first book describing cable networks services and their management in greater detail by thirteen experts in various fields covering network architectures and services operations administration maintenance provisioning troubleshooting oampt for residential services network architectures services and oampt for business services software defined networks sdn and virtualization concepts comprehensive reference book useful for people working for a multiple systems operator includes chapter introductions written by 13 experts in various fields such as network services and soft defined networks

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this book is the single source for information on the world s greatest network and provides a wealth of information for the average internet consumer as well as for experts in the field of networking and internet technologies it provides the most thorough examination of internet technologies and applications for researchers in a variety of related fields provided by publisher

aimed at undergraduate graduate or mba level courses in business data communications introduction to data communications and introduction to networking this book has 11 core chapters that form a complete introduction to networking

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this authorized textbook for the final course of the cisco networking academy ccna discovery curriculum is a portable reference that aligns 1 1 with the online course modules it also has numerous features to enhance learning and assist in concept retention

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