

Computer Networks And Internets 6th Edition

Computer Networks and Internets Computer Networks and Internets Computer Networks and Internets, Global Edition Computer Networks and Internets Computer Networks and Internets with Internet Applications, 4/e (With CD) The Internet Book Hands-on Networking with Internet Technologies High-speed networks and internets Computer Networks, the Internet and Next Generation Networks Computer Networks and Internets Computer Networking and the Internet The Internet Book Computer Networks and Internets Computer Networking: A Top-Down Approach Featuring the Internet, 3/e The Internet Companion Computer Networks and Internets (sixth Edition) Computer Networks and the Internet An Engineering Approach to Computer Networking Local Networks and the Internet How Does a Network Work? Douglas Comer Douglas Comer Douglas E Comer Douglas Comer Douglas Comer Douglas E. Comer Douglas Comer William Stallings Thi-Thanh-Mai Hoang Douglas Comer Fred Halsall Douglas Comer Comer Douglas E James F. Kurose Tracy L. LaQuey Douglas Comer Gerry Howser Srinivasan Keshav Laurent Toutain Matt Anniss

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if you really want to understand how the internet and other computer networks operate start with computer networks and

internets third edition douglas e comer who helped build the internet presents an up to the minute tour of the internet and internetworking from low level data transmission wiring all the way up to services and internet application software the new edition contains extensive coverage of network programming plus authoritative introductions to many new internet protocols and technologies from cidr addressing to network address translation nat comer explains every networking layer showing how facilities and services provided by one layer are used and extended in the next discover how networking hardware utilizes carrier signals modulation and encoding why internets use packet switching how lans local loops wans public and private networks work and how protocols like tcp support internetworking understand the client server model at the heart of most network applications and master key internet technologies such as cgi dns e mail adsl and cable modems this new edition includes a complete new chapter on static and automatic internet routing introducing key concepts such as autonomous systems and hop metrics as well as detailed coverage of label switching and virtual circuits

suitable for those with little or no background this text offers an overview of networking and internet technology it provides a tour through all of networking from the lowest level of data transmission and wiring to the highest levels of application software an accompanying cd rom and site provide opportunities for a variety of hands on experiences the cd contains copies of text figures digitized images of network wiring and equipment and files of data that can be used as input to student programs a key search mechanism and links to the site

appropriate for all introductory to intermediate courses in computer networking the internet or internet applications students need no background in networking operating systems or advanced mathematics leading networking authority douglas comer presents a wide ranging self contained tour of the concepts principles and technologies that enable today s internet to support applications ranging from web browsing to telephony and multimedia comer begins by illuminating the applications and facilities offered by today s internet next he systematically introduces the underlying network technologies and protocols that make them possible with these concepts and technologies established he introduces several of the most important contemporary issues faced by network implementers and managers including quality of service internet telephony multimedia network security and network management comer has carefully designed this book to support both top down and bottom up teaching approaches students need no background in operating systems and no sophisticated math comer relies throughout on figures drawings examples and analogies not mathematical proofs the full text downloaded to your computer with ebooks you can search for key concepts words and phrases make highlights and notes

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if you really want to understand how the internet and other computer networks operate start with computer networks and internets third edition douglas e comer who helped build the internet presents an up to the minute tour of the internet and internetworking from low level data transmission wiring all the way up to and chat services and other internet application software the new edition contains extensive coverage of network programming as well as authoritative introductions to many new internet protocols and technologies from cidr addressing to network address translation nat comer explains every layer of the network protocol stack showing exactly how facilities and services provided by one layer are used and extended in the next discover how networking hardware utilizes carrier signals modulation and encoding why internets use packet switching how lans local loops wans public and private networks work and how protocols like tcp support internetworking learn the client server model at the heart of most network applications and understand key internet technologies including cgi dns e mail adsl cable modems and more this new edition includes a complete new chapter on static and automatic internet routing introducing key concepts such as autonomous systems and hop metrics it also provides a thorough introduction to network programming with three sample applications detailed new coverage of cidr addressing a step by step guide to configuring network address translation in home and small business networks and a full chapter on label switching and virtual circuits douglas comer has been a respected leader of the internet community for decades if you re interested in how networking and the internet work you won t find a better guide for anyone interested in how the internet and other computer networks work

the internet book fifth edition explains how computers communicate what the internet is how the internet works and what services the internet offers it is designed for readers who do not have a strong technical background early chapters clearly explain the terminology and concepts needed to understand all the services it helps the reader to understand the technology behind the internet appreciate how the internet can be used and discover why people find it so exciting in addition it explains the origins of the internet and shows the reader how rapidly it has grown it also provides information on how to avoid scams and exaggerated marketing claims the first section of the book introduces communication system

concepts and terminology the second section reviews the history of the internet and its incredible growth it documents the rate at which the digital revolution occurred and provides background that will help readers appreciate the significance of the underlying design the third section describes basic internet technology and capabilities it examines how internet hardware is organized and how software provides communication this section provides the foundation for later chapters and will help readers ask good questions and make better decisions when salespeople offer internet products and services the final section describes application services currently available on the internet for each service the book explains both what the service offers and how the service works about the author dr douglas Comer is a distinguished professor at Purdue University in the departments of computer science and electrical and computer engineering he has created and enjoys teaching undergraduate and graduate courses on computer networks and internets operating systems computer architecture and computer software one of the researchers who contributed to the internet as it was being formed in the late 1970s and 1980s he has served as a member of the internet architecture board the group responsible for guiding the internet's development Prof. Comer is an internationally recognized expert on computer networking the TCP/IP protocols and the internet who presents lectures to a wide range of audiences in addition to research articles he has written a series of textbooks that describe the technical details of the internet Prof. Comer's books have been translated into many languages and are used in industry as well as computer science engineering and business departments around the world Prof. Comer joined the internet project in the late 1970s and has had a high speed internet connection to his home since 1981 he wrote this book as a response to everyone who has asked him for an explanation of the internet that is both technically correct and easily understood by anyone an internet enthusiast Comer displays INTRNET on the license plate of his car

this text is for one two semester undergraduate courses in network programming and administration it takes the view that hands on experience affords a deeper understanding of computer networks and the internet than pure theory

most computer network books are described based on a top down or bottom up layer based perspective allowing readers to learn about concepts and protocols in one layer as a part of a complex system at each layer the books illustrated the mechanisms and protocols provided at this layer to its upper layer unlike other computer network books this book additionally provides protocol based and architecture based perspective to study the computer networks the internet and next generation networks the book starts with a short introduction to the computer network and their design covering the basic reference models the multimedia networking next generation networking and mobile networking as well as network

planning considerations fundamental techniques are described covering mechanisms protocols architectures and services to control the traffic and ensure the qos for data and multimedia applications for each technique the author formulates the problem statement and illustrates complete solution including basic idea concept architecture protocol behaviour their advantages and disadvantages

with the advent of the world wide the global internet has rapidly become the dominant type of computer network it now enables people around the world to use the for e commerce and interactive entertainment applications in addition to e mail and ip telephony as a result the study of computer networking is now synonymous with the study of the internet and its applications the 5th edition of this highly successful text has been completely revised to focus entirely on the internet and so avoids the necessity of describing protocols and architectures that are no longer relevant as many internet applications now involve multiple data types text images speech audio and video the book explains in detail how they are represented a number of different access networks are now used to gain access to the global internet separate chapters illustrate how each type of access network operates and this is followed by a detailed account of the architecture and protocols of the internet itself and the operation of the major application protocols this body of knowledge is made accessible by extensive use of illustrations and worked examples that make complex systems more understandable at first glance this makes the book ideal for self study or classroom use for students in computer science or engineering as well as being a comprehensive reference for practitioners who require a definitive guide to networking

the revision of this bestseller is ideal as either an introductory internet book or as a highly accurate professional overview of internet networking technology and applications the internet was written by a leading computer networking teacher researcher and internet architect

introduces the worldwide computer networks on the internet including how to tap into university research databases online archives and vast social networks

this textbook provides enough background into the inner workings of the internet to allow a novice to understand how the various protocols on the internet work together to accomplish simple tasks such as a search by building an internet with all the various services a person uses every day one will gain an appreciation not only of the work that goes on unseen but also

of the choices made by designers to make life easier for the user each chapter consists of background information on a specific topic or internet service and where appropriate a final section on how to configure a raspberry pi to provide that service while mainly meant as an undergraduate textbook for a course on networking or internet protocols and services it can also be used by anyone interested in the internet as a step by step guide to building one s own intranet or as a reference guide as to how things work on the global internet

taking a unique engineering approach that will help readers gain a grasp of not just how but also why networks work the way they do this book includes the very latest network technology including the first practical treatment of asynchronous transfer mode atm the cd rom contains an invaluable network simulator

this title covers the most commonly used elements of internet and intranet technology and their development it details the latest developments in research and covers new themes such as ip6 mpls and is is routing as well as explaining the function of standardization committees such as ietf ieee and uit the book is illustrated with numerous examples and applications which will help the reader to place protocols in their proper context

explains what computer networks do and how they work discussing such topics as lans clients and hosts servers hubs and routers protocols and peer to peer networks

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