Computer Networks And Internets 6th Edition

Computer Networks and InternetsComputer Networks and InternetsComputer Networks and InternetsThe Internet BookComputer Networks and Internets, Global EditionComputer Networks and Internets with Internet Applications, 4/e (With CD)Hands-on Networking with Internet TechnologiesThe Internet BookComputer Networks and InternetsHigh-speed networks and internetsComputer Networking: A Top-Down Approach Featuring the Internet, 3/eComputer Networks and Internets (sixth Edition)Computer Networks and InternetsAn Engineering Approach to Computer NetworkingThe Internet CompanionComputer Networks and the InternetHow Does a Network Work?Computer NetworksLocal Networks and the InternetThe Internet Companion Douglas Comer Douglas Comer Douglas E. Comer Douglas E. Comer Douglas E Comer Douglas Comer Douglas Comer Douglas Comer Douglas Comer William Stallings James F. Kurose Douglas Comer Comer Douglas E Srinivasan Keshav Tracy L. LaQuey Gerry Howser Matt Anniss Ata Elahi Laurent Toutain Tracy L. LaQuey

Computer Networks and Internets Computer Networks and Internets Computer Networks and Internets The Internet Book Computer Networks and Internets, Global Edition Computer Networks and Internets with Internet Applications, 4/e (With CD) Hands-on Networking with Internet Technologies The Internet Book Computer Networks and Internets High-speed networks and internets Computer Networking: A Top-Down Approach Featuring the Internet, 3/e

Computer Networks and Internets (sixth Edition) Computer Networks and Internets An Engineering Approach to Computer Networking The Internet Companion Computer Networks and the Internet How Does a Network Work? Computer Networks Local Networks and the Internet The Internet Companion Douglas Comer Douglas Comer Douglas E. Comer Douglas E. Comer Douglas E Comer Douglas Comer Douglas Comer Douglas Comer Douglas Comer William Stallings James F. Kurose Douglas Comer Comer Douglas E Srinivasan Keshav Tracy L. LaQuey Gerry Howser Matt Anniss Ata Elahi Laurent Toutain Tracy L. LaQuey

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

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

this is the ebook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book computer networks and internets is appropriate for all introductory to intermediate courses in computer networking the internet or internet applications readers 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 this fifth edition has been thoroughly reorganized revised and updated it includes extensive new coverage of topics ranging from wireless protocols to network performance while reducing or eliminating coverage of older protocols and technologies 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 low level data communications packet switching lan and wan technologies and internet protocols such as tcp ip udp and ipv6 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 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

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 as you study share your notes with friends ebooks are downloaded to your computer and accessible either offline through the bookshelf available as a free download available online and also via the ipad and android apps upon purchase you ll gain instant access to this ebook time limit the ebooks products do not have an expiry date you will continue to access your digital ebook products whilst you have your bookshelf installed

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

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

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

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

the goal of this textbook is to provide 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

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

the hands on textbook covers both the theory and applications of data communications the internet and network security technology following the acm guideline for courses in networking the content is geared towards upper undergraduate and graduate students in information technology communications engineering and computer science the book is divided into three sections data communications internet architecture and network security

topics covered include flow control and reliable transmission modulation dsl cable modem and ftth ethernet and fast ethernet gigabit and 10 gigabit ethernet and lan interconnection devices among others the book also covers emerging topics such as ipv6 and software defined networks the book is accompanied with a lab manual which uses wireshark cisco packet tracer and virtual machines to lead students through simulated labs

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

this revised and expanded edition of a bestseller features a new foreword by vice president al gore though still concise the substantially revised new edition covers the growing commercialization of the internet and other recent changes in net operations and lore

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