

Network Basics Computing Homework

In the years since John Huber’s trailblazing Lean Library Management was published, budget pressures on libraries have only increased. Yet libraries who have adopted his strategies have turned conventional management thinking—that if budgets are reduced, customer service suffers—on its head. These libraries have proven that by streamlining and improving customer services, they can eliminate wasteful activities and bring down costs. In The Purpose-Based Library, Huber and seasoned public library administrator Potter build on insight gleaned from decades of experience to demonstrate how libraries can create real growth opportunities through concentrating on their true mission and purpose, and without spending a lot more money. With a focus on putting ideas into action, they point the way towards New ways to think about metricsReexamining customer self-driven servicesEffectively leveraging the considerable footprint of librariesIdentifying and assessing community needs and realigning library services accordinglyActively encouraging community fundraisingOffering cutting-edge services and programsPacked with boots-on-the-ground commentary, this book presents strategies to help libraries survive and succeed.

'Development' is what most people see as progress in the places where they live and in the ways they live. It has to do with public services, the ways to complain when these are not delivered properly, and the spaces to change power structures. It is related to the economy, the opportunities to access a secure job, a sustainable livelihood and increased welfare while caring for the planet and others. It is also linked to the institutions that allow people to live life well, using resources ethically and doing business responsibly in relation to other communities and future generations. This edited collection examines the interconnections between local governance, economic development and institutions, by focusing on what initiatives work and under what conditions they do so. Based on a variety of theories and empirical data, it presents evidence from current experiences around the world, revealed by researchers across different continents and several generations.

Designed for senior undergraduate and first-year graduate students, Grid Computing: Techniques and Applications shows professors how to teach this subject in a practical way. Extensively classroom-tested, it covers job submission and scheduling, Grid security, Grid computing services and software tools, graphical user interfaces, workflow editors, and Grid-enabling applications. The book begins with an introduction that discusses the use of a Grid computing Web-based portal. It then examines the underlying action of job submission using a command-line interface and the use of a job scheduler. After describing both general Internet security techniques and specific security mechanisms developed for Grid computing, the author focuses on Web services technologies and how they are adopted for Grid computing. He also discusses the advantages of using a graphical user interface over a command-line interface and presents a graphical workflow editor that enables users to compose sequences of computational tasks visually using a simple drag-and-drop interface. The final chapter explains how to deploy applications on a Grid. The Grid computing platform offers much more than simply running an application at a remote site. It also enables multiple, geographically distributed computers to collectively obtain increased speed and fault tolerance. Illustrating this kind of resource discovery, this practical text encompasses the varied and interconnected aspects of Grid computing, including how to design a system infrastructure and Grid portal. Supplemental Web Resources The author’s Web site offers various instructional resources, including slides and links to software for programming assignments. Many of these assignments do not require access to a Grid platform. Instead, the author provides step-by-step instructions for installing open-source software to deploy and test Web and Grid services, a Grid computing workflow editor to design and test workflows, and a Grid computing portal to deploy portlets.

The field of Artificial Neural Networks is the fastest growing field in Information Technology and specifically, in Artificial Intelligence and Machine Learning.This must-have compendium presents the theory and case studies of artificial neural networks. The volume, with 4 new chapters, updates the earlier edition by highlighting recent developments in Deep-Learning Neural Networks, which are the recent leading approaches to neural networks. Uniquely, the book also includes case studies of applications of neural networks — demonstrating how such case studies are designed, executed and how their results are obtained.The title is written for a one-semester graduate or senior-level undergraduate course on artificial neural networks. It is also intended to be a self-study and a reference text for scientists, engineers and for researchers in medicine, finance and data mining.

Initiatives to Combat the Digital Divide : Hearing Before the Subcommittee on Empowerment of the Committee on Small Business, House of Representatives, One Hundred Sixth Congress, Second Session, Washington, DC, March 28, 2000

Understanding Computing AS Level for AQA

Reader's Digest 1,001 Computer Hints & Tips

Home Networking For Dummies

Teaching Internet Basics: The Can-Do Guide

An A-to-Z Guide to Making the Most of Your Computer and the Internet

This is a compact notes for XII Computer Application Students of WBCHSE Board.

Analysis of Computer and Communication Networks provides the basic techniques for modeling and analyzing two of the fundamental components of high performance networks: switching equipment, and software employed at the end nodes and intermediate switches. The book also reviews the design options used to build efficient switching equipment. Topics covered include Markov chains and queuing analysis, traffic modeling, interconnection networks, and switch architectures and buffering strategies. This book covers the mathematical theory and techniques necessary for analyzing telecommunication systems. Queuing and Markov chain analyses are provided for many protocols currently in use. The book then discusses in detail applications of Markov chains and queuing analysis to model more than 15 communications protocols and hardware components.

A timely book. . . . 1-to-1 Learning: Laptop Programs that Work is a comprehensive resource for planning and implementing laptop programs in the classroom. --CDW-G Newsletter When every student in the classroom has a laptop, tablet, or handheld computer at their fingertips, a whole new world of instructional possibilities appears. Get ready to map those possibilities with Pamela Livingston's guide to 1-to-1 programs that work. You'll find practical planning advice and a host of implementation resources. Learn how to form an effective and inclusive planning committee, choose hardware and software that will integrate well with existing systems, select the most cost-effective purchasing, support, and funding options, anticipate and overcome logistical challenges, plan professional development activities that inspire teacher buy-in, and much, much more! Learn from the leaders of the most successful 1-to-1 programs in the country how to plan and roll out a program that will work from day 1! About the Author Pamela Livingston has been an educator and administrator at independent schools for thirteen years. 1-to-1 Learning is the result of interviews with more than three dozen laptop school leaders, a review of the studies and research on laptops and schools, and the author's own professional experience leading the laptop program at the Peck School in Morristown, New Jersey, where she works as head of technology.

Sounds pretty impressive, doesn't it—your own home network. Should you have one? Are they hard to set up? How would it help? Are home networks more vulnerable to security risks? If you've asked yourself any of these questions, this updated Third Edition of Home Networking For Dummies is exactly what you need. Home networks aren't just for people with home-based businesses. With a home network, you can Begin a project on one computer and finish it on another Connect desktop and laptop computers so you can take your work with you Share printers and Internet connections Control access to files Set up security to protect all the computers on the network And on top of all that, you get to be the network administrator! If you have more than one computer in your household, Kathy Ivens, author of Home Networking For Dummies, Third Edition, believes it only makes sense for you to have a home network. It's efficient and it makes files easier to organize and manage. But as impressive as "home network" sounds, installing and maintaining one doesn't have to be complicated— this book makes it easy. In the For Dummies straightforward style, Kathy shows you step by step how to Plan your network, buy the right hardware at the right price, install it, and configure computer sharing Decide on the best places to put the different computers in your home Piggyback on existing home wiring like telephone and electric lines Install and troubleshoot wireless connections Set up each computer to share some things and keep others private Manage users and user profiles Install firewalls, work with the Windows XP SP2 Security Center, keep virus protection updated, and develop a disaster recovery plan Maintain your network for optimum performance Kathy Ivens is Senior Contributing Editor for Windows & .NET Magazine and a consultant who has installed plenty of networks. She knows what to look for and how to help you put together exactly what you need. This edition of Home Networking For Dummies includes the most up-to-date information to help you become the administrator of your very own home network without acquiring one more gray hair.

Bridging the Technological Gap

High Performance Computing and Communications

A Systems Approach

Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing

Laptop Programs that Work

Guides beginning users through basic PC operations in Microsoft Windows, demonstrating how to print letters, manage finances, shop online, send and receive e-mail, and customize the desktop.

Perfect for public librarians, instructional librarians, technology and digital resource specialists, and library training specialists, this book is an essential resource for digital literacy instruction. • Frames instruction of Internet basics in an economical and highly relevant manner for public librarians and their users • Provides complete training scripts with step-by-step instructions and sample screen shots • Suggests hands-on activities that apply skills taught and provide opportunity for independent practice • Contains an annotated appendix of free online courseware that supplements and enhances Internet basics instruction

An up-to-date collection of tips, tricks, and techniques for computer users of all levels includes step-by-step, money- and time-saving guidelines for how to get the most out of one's personal computer, covering software, hardware, the Internet, and the Windows operating system.

Essential Computer Security provides the vast home user and small office computer market with the information they must know in order to understand the risks of computing on the Internet and what they can do to protect themselves. Tony Bradley is the Guide for the About.com site for Internet Network Security. In his role managing the content for a site that has over 600,000 page views per month and a weekly newsletter with 25,000 subscribers, Tony has learned how to talk to people, everyday people, about computer security. Intended for the security illiterate, Essential Computer Security is a source of jargon-less advice everyone needs to operate their computer securely. * Written in easy to understand non-technical language that novices can comprehend * Provides detailed coverage of the essential security subjects that everyone needs to know * Covers just enough information to educate without being overwhelming

Text notes for WBCHSE XII Board

Analysis of Computer and Communication Networks

Exploring Tech Careers, Fourth Edition, 2-Volume Set

Computers in Education: Report of a research conference

Computer Networking

Computer Networks

Study CompanionComputer NetworkingAddison-Wesley

This book presents the peer-reviewed proceedings of the Sixth International Conference on Intelligent Computing and Applications (ICICA 2020), held at Government College of Engineering, Keonjhar, Odisha, India, during December 22–24, 2020. The book includes the latest research on advanced computational methodologies such as neural networks, fuzzy systems, evolutionary algorithms, hybrid intelligent systems, uncertain reasoning techniques, and other machine learning methods and their applications to decision-making and problem-solving in mobile and wireless communication networks.

The only singular, all-encompassing textbook on state-of-the-art technical performance evaluation Fundamentals of Performance Evaluation of Computer and Telecommunication Systems uniquely presents all techniques of performance evaluation of computers systems, communication networks, and telecommunications in a balanced manner. Written by the renowned Professor Mohammad S. Obaidat and his coauthor Professor Nouredine Boudriga, it is also the only resource to treat computer and telecommunication systems as inseparable issues. The authors explain the basic concepts of performance evaluation, applications, performance evaluation metrics, workload types, benchmarking, and characterization of workload. This is followed by a review of the basics of probability theory, and then, the main techniques for performance evaluation—namely measurement, simulation, and analytic modeling—with case studies and examples. Contains the practical and applicable knowledge necessary for a successful performance evaluation in a balanced approach Reviews measurement tools, benchmark programs, design of experiments, traffic models, basics of queueing theory, and operational and mean value analysis Covers the techniques for validation and verification of simulation as well as random number generation, random variate generation, and testing with examples Features numerous examples and case studies, as well as exercises and problems for use as homework or programming assignments Fundamentals of Performance Evaluation of Computer and Telecommunication Systems is an ideal textbook for graduate students in computer science, electrical engineering, computer engineering, and information sciences, technology, and systems. It is also an excellent reference for practicing engineers and scientists.

Crisis in Employment will help you meet the needs of patrons seeking new work, making career changes, or starting their own businesses in a comprehensive way that suits your local communitys conditions.

Principles Of Artificial Neural Networks: Basic Designs To Deep Learning (4th Edition)

Computing Fundamentals and Programming in C

Sixth International Conference on Intelligent Computing and Applications

Essential Computer Security: Everyone’s Guide to Email, Internet, and Wireless Security

Techniques and Applications

First International Conference, HPCC 2005, Sorrento, Italy, September, 21-23, 2005, Proceedings

Network Simulation Experiments Manual, Third Edition, is a practical tool containing detailed, simulation-based experiments to help students and professionals learn about key concepts in computer networking. It allows the networking professional to visualize how computer networks work with the aid of a software tool called OPNET to simulate network function. OPNET provides a virtual environment for modeling, analyzing, and predicting the performance of IT infrastructures, including applications, servers, and networking technologies. It can be downloaded free of charge and is easy to install. The book’s simulation approach provides a virtual environment for a wide range of desirable features, such as modeling a network based on specified criteria and analyzing its performance under different scenarios. The experiments include the basics of using OPNET IT Guru Academic Edition; operation of the Ethernet network; partitioning of a physical network into separate logical networks using virtual local area networks (VLANs); and the basics of network design. Also covered are congestion control algorithms implemented by the Transmission Control Protocol (TCP); the effects of various queueing disciplines on packet delivery and delay for different services; and the role of firewalls and virtual private networks (VPNs) in providing security to shared public networks. Each experiment in this updated edition is accompanied by review questions, a lab report, and exercises. Networking designers and professionals as well as graduate students will find this manual extremely helpful. Updated and expanded by an instructor who has used OPNET simulation tools in his classroom for numerous demonstrations and real-world scenarios. Software download based on an award-winning product made by OPNET Technologies, Inc., whose software is used by thousands of commercial and government organizations worldwide, and by over 500 universities. Useful experimentation for professionals in the workplace who are interested in learning and demonstrating the capability of evaluating different commercial networking products, i.e., Cisco routers. Covers the core networking topologies and includes assignments on Switched LANs, Network Design, CSMA, RIP, TCP, Queueing Disciplines, Web Caching, etc.

Innovations and Advances in Computing, Informatics, Systems Sciences, Networking and Engineering This book includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Informatics, and Systems Sciences, and Engineering. It includes selected papers from the conference proceedings of the Eighth and some selected papers of the Ninth International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 2012 & CISSE 2013). Coverage includes topics in: Industrial Electronics, Technology & Automation, Telecommunications and Networking, Systems, Computing Sciences and Software Engineering, Engineering Education, Instructional Technology, Assessment, and E-learning. · Provides the latest in a series of books growing out of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering; · Includes chapters in the most advanced areas of Computing, Informatics, Systems Sciences, and Engineering; · Accessible to a wide range of readership, including professors, researchers, practitioners and students.

Networks are everywhere: networks of friends, transportation networks and the Web. Neurons in our brains and proteins within our bodies form networks that determine our intelligence and survival. This modern, accessible textbook introduces the basics of network science for a wide range of job sectors from management to marketing, from biology to engineering, and from neuroscience to the social sciences. Students will develop important, practical skills and learn to write code for using networks in their areas of interest - even as they are just learning to program with Python. Extensive sets of tutorials and homework problems provide plenty of hands-on practice and longer programming tutorials online further enhance students' programming skills. This intuitive and direct approach makes the book ideal for a first course, aimed at a wide audience without a strong background in mathematics or computing but with a desire to learn the fundamentals and applications of network science.

Understand, protect, & maintain your computer(s). Tips on purchasing computer hardware and software. Use the Internet safely. Receive, send, & forward safe respectful e-mail. Insert and/or attach pictures and files

The Purpose-Based Library: Finding Your Path to Survival, Success, and Growth

Grid Computing

Networking Basics

31 Days Before Your CompTIA A+ Exams

Absolute Beginner’s Guide to Computer Basics

Proceedings of the International Conference on Information Technology and Computer Application Engineering (ITCAE 2014), Hong Kong, China, 10-11 December 2014

The completely revised and only authorized textbook for the Cisco Networking Academy Program CCNA 1 curriculum.

Appropriate for a first course on computer networking, this textbook describes the architecture and function of the application, transport, network, and link layers of the internet protocol stack, then examines audio and video networking applications, the underpinnings of encryption and network security, and the key issues of network management. Th

This proceedings set contains selected Computer, Information and Education Technology related papers from the 2014 International Conference on Computer, Intelligent Computing and Education Technology (CICET 2014), held March 27-28, 2014 in Hong Kong. The proceedings aims to provide a platform for researchers, engineers and academics as well as indu

Offers information on the duties, salary ranges, educational requirements, job availability, and advancement opportunities for a variety of technical professions.

Proceedings of ICICA 2020

A Librarian's Guide to Helping Job Seekers

An Integer Generalized Transportation Model for Optimal Job Assignment in Computer Networks

Information, Computer and Application Engineering

A Practical Introduction to Enterprise Network and Security Management

Computer Networking for LANS to WANS: Hardware, Software and Security

This book looks at the basics of computer networks. It describes what networks are and how they work, the different kinds of network, and the difference between the Internet and the World Wide Web. It explains how to contact people online using email and social networks, shows how networks can be used to work with other people online, and touches on creating websites and blogs. The topics covered are illustrated with do's and don'ts, Did You Know? boxes and current developments in the world of computing.

If we are to believe in Moore's law, then every passing day brings new and advanced changes to the technology arena. We are as amazed by miniaturization of computing devices as we are amused by their speed of computation. Everything seems to be in ? ux and moving fast. We are also fast moving towards ubiquitous computing. To achieve this kind of computing landscape, new ease and seamless computing user interfaces have to be developed. Believe me, if you mature and have ever program any digital device, you are, like me, looking forward to this brave new computing landscape with anticipation. However, if history is any guide to use, we in information security, and indeed every computing device user young and old, must brace themselves for a future full of problems. As we enter into this world of fast, small and concealable ubiquitous computing devices, we are entering fertile territory for dubious, mischievous, and malicious people. We need to be on guard because, as expected, help will be slow coming because ? rst, well trained and experienced personnel will still be dif? cult to get and those that will be found will likely be very expensive as the case is today.

This proceedings volume brings together peer-reviewed papers presented at the International Conference on Information Technology and Computer Application Engineering, held 10-11 December 2014, in Hong Kong, China. Specific topics under consideration include Computational Intelligence, Computer Science and its Applications, Intelligent Information Processing and Knowledge Engineering, Intelligent Networks and Instruments, Multimedia Signal Processing and Analysis, Intelligent Computer-Aided Design Systems and other related topics. This book provides readers a state-of-the-art survey of recent innovations and research worldwide in Information Technology and Computer Application Engineering, in so-doing furthering the development and growth of these research fields, strengthening international academic cooperation and communication, and promoting the fruitful exchange of research ideas. This volume will be of interest to professionals and academics alike, serving as a broad overview of the latest advances in the dynamic field of Information Technology and Computer Application Engineering.

This new student book is written by the author of the best-selling textbook Understanding Computer Science. Fully in line with the AQA AS Computing specification and thoroughly checked by an AQA examiner.

CCNA 1 Companion Guide

Home Networking Bible

A First Course in Network Science

Crisis in Employment

Network Simulation Experiments Manual

1-to-1 Learning

31 Days Before Your CompTIA A+ Exams Second Edition Ben Conry A Day-by-Day Review Guide for the CompTIA A+ 220-701 and 220-702 Exams 31 Days Before Your CompTIA® A+ Exams, Second Edition offers you a personable and practical way to understand the certification process, commit to taking the exam, and finish your preparation using a variety of study resources. The 31-Day format breaks down key exam topics into 31 daily review sessions using short summaries, lists, tables, examples, and graphics. This edition includes a Study Resources section at the end of each day that provides you with a quick reference for locating more in-depth treatment of a day's topics within relevant textbook resources. Use this day-by-day guide to organize, prepare, and review all the CompTIA A+ objectives for the CompTIA A+ Essentials exam (220-701) and the CompTIA A+ Practical Application exam (220-702). · The features of the book empower you to fit exam preparation into an otherwise busy schedule: · Tear-out visual calendar summarizes each day's study topics · Checklist highlights important tasks and deadlines leading up to your exam · Description of the CompTIA A+ exams and sign-up process · Strategies from the author help you to be mentally, organizationally, and physically prepared for exam day · Conversational tone makes your study time more enjoyable Who Should Read This Book? This book is for anyone preparing for the CompTIA A+ exams working with learning resources published by either Cisco Press, Que, Addison-Wesley, Cengage, or McGraw-Hill listed on page xxvii of this book.

CompKidz, computer learning series, based on Windows 7 with MS Office 2013 comprises of eight books for classes 1 to 8. This series has been developed using advanced pedagogical features for effective learning and retention. This carefully graded series is based on the step-by-step approach to learn various application tools of computer. These books contain lively illustrations, high-resolution screenshots and an ample number of questions for practice. Also, these books have been designed to keep pace with the latest technologies and the interests of the 21st century learners.

Computer networking and cybersecurity are challenging subjects, partly because of the constant rise and fall of related technologies and IT paradigms. As the title implies, much focus of this book is on providing the audience with practical, as well as, theoretical knowledge necessary to build a solid ground for a successful professional career. **A Practical Introduction to Enterprise Network and Security Management** contains 12 chapters of the correct amount of coverage for a semester or quarter. It balances introductory and fairly advanced subjects on computer networking and cybersecurity to deliver effectively technical and managerial knowledge. It explains sometimes challenging concepts in a manner that students can follow with careful reading. **A Practical Introduction to Enterprise Network and Security Management** is designed to offer impactful, hands-on learning experiences without relying on a computer lab. First, each chapter comes with practical exercise questions. In the class setting, they are good as individual or group assignments. Many of them are based on simulated or real cases, and take advantage of actual industry products and systems for a reader to better relate theories to practice. Second, there are a number of information-rich screen shots, figures, and tables in each chapter carefully constructed to solidify concepts and thus enhance visual learning. **A Practical Introduction to Enterprise Network and Security Management** Is written for students studying management information systems, accounting information systems, or computer science in a semester of 15 to 16 weeks, and exposed to the subject for the first time Takes advantage of many real cases and examples, and actual industry products and services (software, hardware, and configurations) so that students can better relate concepts and theories to practice Explains subjects in a systematic, but very practical manner that students can follow through Provides students with practical understanding of both computer networking and cybersecurity Contains highly practical exercise questions, which can be individual or group assignments within or without the class, included in each chapter to reinforce learning. In addition to the thorough technical details, managerial issues including, enterprise network planning, design, and management from the practitioner's perspective are embedded throughout the text to assist balanced learning. Bearing in mind of the critical importance of security in today's enterprise networks, the text discusses the implications of network design and management on enterprise security whenever appropriate. Lastly, to reinforce knowledge in security management further, two chapters introduce the fundamentals of cybersecurity in terms of threat types and defense techniques.

Designed for the beginner yet useful for the expert, **COMPUTER NETWORKING FROM LANS TO WANS: HARDWARE, SOFTWARE, AND SECURITY** provides comprehensive coverage of all aspects of networking. This book contains 24 chapters illustrating network hardware and software, network operating systems, multimedia and the Internet, and computer and network security and forensics. Six appendices provide coverage of the history of the Internet, the ASCII code, the operation of MODEMs, tips on becoming certified in network, security, and forensics, telecommunication technologies, and setting up a computer repair shop. A companion CD includes numerous videos and files that allow the reader to perform important hands-on networking, security, and forensic activities. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Basics of Computer Application

Fundamentals of Performance Evaluation of Computer and Telecommunication Systems

Innovations and Advances in Computing, Informatics, Systems Sciences, Networking and Engineering

Understanding Computer Networks

Local Governance, Economic Development and Institutions

Computer & Internet Basics Step-by-Step

The complete spectrum of computing fundamentals starting from abc of computer to internet usage has been well covered in simple and readers loving style, The language used in the book is lucid, is easy to understand, and facilities easy grasping of concepts, The chapter have been logically arranged in sequence, The book is written in a reader-friendly manner both the students and the teachers, Most of the contents presented in the book are in the form of bullets, organized sequentially. This form of presentation, rather than in a paragraph form, facilities the reader to view, understand and remember the points better, The explanation is supported by diagrams, pictures and images wherever required, Sufficient exercises have been included for practice in addition to the solved examples in every chapter related to C programming, Concepts of pointers, structures, Union and file management have been extensively detailed to help advance learners, Adequate exercises have been given at the end of the every chapter, Pedagogy followed for sequencing the contents on C programming supported by adequate programming examples is likely to help the reader to become proficient very soon, 200 problems on C programming & their solutions, 250 Additional descriptive questions on C programming.

Computer Networks: A Systems Approach, Fifth Edition, explores the key principles of computer networking, with examples drawn from the real world of network and protocol design. Using the Internet as the primary example, this best-selling and classic textbook explains various protocols and networking technologies. The systems-oriented approach encourages students to think about how individual network components fit into a larger, complex system of interactions. This book has a completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, network security, and network applications such as e-mail and the Web, IP telephony and video streaming, and peer-to-peer file sharing. There is now increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Other topics include network design and architecture; the ways users can connect to a network; the concepts of switching, routing, and internetworking; end-to-end protocols; congestion control and resource allocation; and end-to-end data. Each chapter includes a problem statement, which introduces issues to be examined; shaded sidebars that elaborate on a topic or introduce a related advanced topic; What 's Next? discussions that deal with emerging issues in research, the commercial world, or society; and exercises. This book is written for graduate or upper-division undergraduate classes in computer networking. It will also be useful for industry professionals retraining for network-related assignments, as well as for network practitioners seeking to understand the workings of network protocols and the big picture of networking. Completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, security, and applications Increased focus on application layer issues where innovative and exciting research and design is currently the center of attention Free downloadable network simulation software and lab experiments manual available

This book gathers 14 of the most promising papers presented at the 18th IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD 2017), which was held on June 26–28, 2017 in Kanazawa, Japan. The aim of this conference was to bring together researchers and scientists, businessmen and entrepreneurs, teachers, engineers, computer users, and students to discuss the various fields of computer science and to share their experiences and exchange new ideas and information in a meaningful way. The book presents research findings concerning all aspects (theory, applications and tools) of computer and information science, and discusses the practical challenges encountered along the way, as well as the solutions adopted to solve them.

Traditional cloud computing and the emerging edge computing have greatly promoted the development of Internet applications. But what are the key issues in these two trends and what are the differences between them? This book systematically introduces several key procedures in both cloud computing and edge computing scenarios, with each chapter providing a detailed description of novel design. In addition, the book also discusses a series of important findings from industry collaborations, which greatly enhance our understanding of the real system of industry. This book is not only a valuable reference resource for researchers, but also provides large-scale deployment cases for real systems in industry. In order to gain the most benefit from this book, readers should have some the basic knowledge of computer networks.

Study Companion

Computer, Intelligent Computing and Education Technology

Network Management in Cloud and Edge Computing

Guide to Computer Network Security

Compkidz – 8

Everything you need to know to set up a home network Is a home network for you? This comprehensive guide covereverything from deciding what type of network meets your needs tosetting up the hardware and software, connecting differentoperating systems, installing the necessary applications, managingthe network, and even adding home entertainment devices. Fullyupdated with new material on all the latest systems and methods,it's just what you need to set up your network and keep it runningsafely and successfully. Inside, you'll find complete coverage of home networking * Compare the advantages and disadvantages of wired and wirelessnetworks * Understand how to choose between workgroup and client/servernetworking * Learn how to install and set up cables and routers and how toinstall and configure networking software * Share files, printers, and a single Internet connection * Back up files and secure your network * Set up your own home intranet and understand the technologiesinvolved in creating a Web page * Manage your network and learn to use tools for locating andreparing problems * Expand your home network to include your digital camera, scanner,TV, sound system, and even game consoles * Explore SmartHome technology that allows you to automate varioushousehold functions * Investigate how your network can enable telecommuting and otherremote access capabilities