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By far the best book in the list is "Computer Networking" by Kurose and Ross. This book covers all of the essential material that is in the other books but manages to do so in a relevant and entertaining way. This book is very up to date as seen by the release of the 5th Ed when the 4th Ed is barely two years old.

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Computer Networking: A Top Down Approach James F.Kurose ...

Keith Ross is a professor of computer science at Polytechnic University. He has worked in peer-to-peer networking, Internet measurement, video streaming, Web caching, multi-service loss networks, content distribution networks, voice over IP, optimization, queuing theory, optimal control of queues, and Markov decision processes.

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Professor Ross's research interests have been in modeling and measurement of computer networks, peer-to-peer systems, content distribution networks, social networks, and privacy. He is currently working in deep reinforcement learning.

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If so, it pre-allocates channel resources (e.g., time slots) on its radio access network and other resources for that device. This pre-allocation of resources frees the mobile device from having to go through the time-consuming base-station association protocol discussed earlier, allowing handover to be executed as fast as possible.

Interactive Problems, Computer Networking: A Top Down Approach

Text Book: Computer Networking: A Top-Down Approach, by James F. Kurose and Keith W. Ross, Addison Wesley, latest edition. Additional reading materials on advanced topics in computer networks will be assigned through the semester. Course Description: This course is designed for graduate

students in ...

Computer Networks - Graduate Center, CUNY
Beacon frame: contains list of mobiles with AP-to-mobile frames waiting to be sent " node will stay awake if AP-to-mobile frames to be sent; otherwise sleep again until next beacon frame 802.11: advanced capabilities Computer Networking: A Top Down Approach 6 th edition, Jim Kurose, Keith Ross Addison-Wesley 2012

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include network protocols and architecture, network measurement, sensor networks, multimedia communication, and modeling and performance evaluation. He holds a PhD in Computer Science from Columbia University. Keith Ross Keith Ross is the Leonard J. Shustek Chair Professor and Head of the Computer Science Department at Polytechnic Institute of NYU.

Senior Project Manager: Printer/Binder
Jim and Keith have each been teaching computer networking for more than 30 years each (OK, we're getting old but we've always loved to teach and still do!), during which time we have taught many thousands of students. We have also been active researchers in computer networking during this time. ... Jim Kurose: Keith Ross ...

Computer Networking: a Top Down Approach
Browser Caching. Consider an HTTP server and client as shown in the figure below. Suppose that the RTT

delay between the client and server is 30 msecs; the time a server needs to transmit an object into its outgoing link is 0.5 msecs; and any other HTTP message not containing an object has a negligible (zero) transmission time.

Interactive Problems, Computer Networking: A Top Down Approach

Keith Ross networking conferences, including Infocom and Sigcomm. He has supervised more than ten Ph. D. theses. His research and teaching interests include multimedia networking, asynchronous Computer Networking: A Top-Down Approach Featuring the Internet, James F. Kurose and Keith W. Ross. Ross.

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1. Douglas E. Comer, Computer Networks and Internets Fifth Edition, Pearson/Prentice Hall, 2008 2. L. Peterson and B. Davie, Computer Networks a System Approach Edition 3 Morgan Kaufmann Publishers, 2005 3. James Kurose, Keith Ross, Computer Networking a Top-Down Approach 4th Edition Pearson/Addison Wesley, 2006 4.

Building on the successful top-down approach of previous editions, this edition continues with an early emphasis on application-layer paradigms and application programming interfaces, encouraging a hands-on experience with protocols and networking concepts.

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

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

A top-down,layered approach to computer networking. Unique among computernetworking texts, the 8th Edition, Global Edition, of thepopular Computer Networking: A Top Down Approach buildson the authors' long tradition of teaching this complex subject through alayered approach in a "top-down manner." The text works its way from theapplication layer down toward the physical layer, motivating students byexposing them to important concepts early in their study of networking.Focusing on the Internet and the fundamentally important issues of networking,this text provides an excellent foundation for students in computer science andelectrical engineering, without requiring extensive knowledge of programming ormathematics. The 8th Edition, Global Edition, has been updatedto reflect the most important and exciting recent advances in

networking,including the importance of software-defined networking (SDN) and the rapidadoption of 4G/5G networks and the mobile applications they enable.

This Value Pack consists ofInternet & World Wide Web: How to Program: International Edition by Dietel & Associates Inc. (ISBN:9781408207161) and value-added component Computer Networking: A Top-Down Approach: International Edition, 4/e by Kurose & Ross (ISBN:978032151325

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HIE when studying for certification exams. In addition, it not only provides coverage of the technical, policy, and organizational aspects of HIE, but also touches on HIE as a growing profession. In Part One, the book defines HIE, describing it as an emerging profession within HIT/Informatics. In Part Two, the book provides key information on the policy and governance of HIE, including stakeholder engagement, strategic planning, sustainability, etc. Part Three focuses on the technology behind HIE, defining and describing master person indexes, information infrastructure, interfacing, and messaging, etc. In Part Four, the authors discuss the value of HIE, and how to create and measure it. Finally, in Part Five, the book provides perspectives on the future of HIE, including emerging trends, unresolved challenges, etc. Offers foundational knowledge on Health Information Exchange (HIE), covering the broad areas of technology, governance, and policy Focuses on explaining HIE and its complexities in the context of U.S. health reform, as well as emerging health IT activities in foreign nations Provides a number of in-depth case studies to connect learners to real-world application of the content and lessons from the field Offers didactic content organization and an increasing complexity through five parts

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This book constitutes the refereed proceedings of the 15th International GI/ITG Conference on "Measurement, Modelling and Evaluation of Computing Systems" and "Dependability and Fault Tolerance", held in Essen, Germany, in March 2010. The 19 revised full papers presented together with 5 tool papers and 2 invited lectures were carefully reviewed and selected from 42 initial submissions. The papers cover all aspects of performance and dependability evaluation of systems including networks, computer architectures, distributed systems, software, fault-tolerant and secure systems.

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