

Top-Down Network Design, Third Edition

Priscilla Oppenheimer

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Top Down Network Design 3rd Edition

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Top-Down Network Design, Third Edition Priscilla Oppenheimer,2010 Top Down Network Design Third Edition Priscilla Oppenheimer A systems analysis approach to enterprise network design The authoritative book on designing networks that align with business goals Top Down Network Design Third Edition is a practical and comprehensive guide to designing enterprise networks that are reliable secure and scalable The book uses a top down approach to help you focus first on applications and user requirements before selecting devices cabling and other technologies to implement the network The book takes you through an explanation of how to design networks that align with business goals so that the network can keep pace with changing user requirements This new edition provides a comprehensive look at enterprise network design and the different modules of an enterprise network Using illustrations and real world examples the book covers campus network design wireless networks remote access and wide area connectivity You learn how to analyze business and technical

requirements and select topologies and technologies that are based on that analysis A major focus is on security as network users become more mobile You also develop an understanding of network performance factors and methods for building reliable networks that can scale as traffic loads increase This Third Edition includes updated and expanded material on wireless networks virtual private networks VPN network security network redundancy modularity in network designs dynamic addressing for IPv4 and IPv6 Ethernet scalability options including 10 Gbps Ethernet Metro Ethernet and Long Reach Ethernet and networks that carry voice and data traffic In addition you will learn how to build networks that can support real time video collaborative computing and social networking tools and that adhere to the Cisco SAFE Security Reference Architecture Every chapter now includes a set of essay questions and design scenarios to give you a chance to practice what you have learned The book also has a companion website at www.topdownbook.com which includes updates to the book links to white papers and supplemental information about design resources Learn a network design process that results in networks that perform well provide security and scale to meet growing demands for bandwidth Develop network designs that provide the high bandwidth and low delay required for real time applications such as multimedia distance learning videoconferencing

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Thomas,Mark J. Newcomb,Andrew G. Mason,2000 Written by a Cisco expert this exam prep title prepares students to pass the internetworking and troubleshooting exam for the CCNP Real world case studies and more than 500 practice questions help the reader gain practical experience in the topic The CD ROM features a Visio graphic package and a Cisco icon package 200 illus *Telecommunications Crash Course, Third Edition* Steven Shepard,2014-07-06 COMPLETE COVERAGE OF THE LATEST TELECOMMUNICATIONS TECHNOLOGIES AND TRENDS Fully revised to address the convergence of the telecom media and technology TMT sectors the new edition of this cutting edge guide provides a comprehensive overview of the current telecom landscape The book focuses on the interdependence of the IT infrastructure multimedia content and

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