

Computer Networking Guide

Networking for Beginners John Medicine 2019-11-19 Do you want to learn how to set up a new network for your home or business place and get the best performance of your network? Do you want to learn about Network Mode Security? If so then keep reading. In this tech-savvy world of today, everyone is looking out for speed in their life. There were days when a single message used to take many days to get delivered to the recipient. Today, with the advent of networking and the internet, people can easily send out data packets of their need. The various forms of internet communication have also changed the whole concept of communication across a long distance. Networking has adapted the concepts of wireless functioning which have helped in wiping out various redundancies. The wired form of network is still in use owing to its special features and working capabilities. Networking is a complex concept and if done right it can do wonders. Having a brief overview of the networking concepts is very essential for setting up a new network or for improving the functionality of an existing network. The chapters of this book have been arranged in a very unique way that will provide you with the answers to all your questions regarding networking and all that you need for creating a new network. You will learn: The basic format of networking The successful networking processes The master controller who holds all necessary information required by the recipient The necessary components of networking The types of networks Wireless Networking Peer to Peer Connection OSI Model Network Mode Security Circuit and Packet Switching FTP - File Transfer Protocol ...and more! You need to start from the very beginning in order to set up a brand new network. It might turn out to be a tiresome job but try to stay attentive at each and every step you take as even a slight mistake or error can make a network non-functional. So, if you are interested in the various aspects of Networking along with its various components, Networking for Beginners: The Complete Guide to Computer Network Basics, Wireless Technology and Network Security is something that you really need to possess. Scroll up and click the Buy Now button and feel like a master of networking within a few days!

Computer Networking: An Introductory Guide for Complete Beginners Ramon Nastase 2018-03-15 "Introduction to Computer Networking' is a guide in which you'll understand the basics of Networking (Routers, Switches, IPs, MAC addresses etc) and the Internet (which connects all the devices together). We are going to talk about the Basics of Routers, Switches and how they interconnect devices in order to make computer networks and the Internet work. We're also going to talk about IPv4, IPv6, Network applications and protocols (such as HTTP, DNS, FTP etc.) and why they matter in today's Internet world." -- Amazon.com.

Computer Networking for Beginners Peter Treu 2020-12-08 Do you want to expand your knowledge in the field of computer networking? Do you want to know the future of networking? Do you ever wonder how the internet works? If it does, keep reading..... Computer networking can be defined as the technology that makes communication between different computer systems or devices sprinkled all around the globe possible. Computer networking can also be considered to be a subpart of telecommunications, computer science, information technology, and computer engineering as it uses technology that heavily relies upon the various applications of these scientific and engineering streams. Based upon the area of communication, and the abilities to cater to the specific needs of particular crowds, computer networks can be divided into three large divisions. They are: Internet Intranet Extranet Any set of computers or devices that are interconnected to one another and harbor the ability to exchange data between one another are said to be a part of a computer network. In today's world, we see a gradual shift from traditional technologies to a world that is soon going to be dominated by Information Technology. As computer networking stands at the center of the IT sector, we must have a firm grip over the topic to be compatible with the slow shift to a world with different priorities. The goal of the Book is simple: It helps the masses educate themselves about the basics and other advanced aspects of Computer Networking in the most simples of ways possible. In this book you will also learn: Machine Learning and Computer Networking Easy Guide to Learn Basic Computer Network What Are the Basic Cybersecurity Fundamentals? What Are

the Concepts of Networking? Understanding Cybersecurity Types of Cyber-Attacks and How to Prevent Them Would you like to know more? Download the Book, Computer Networking to have a good knowledge of computer networking. Scroll to the top of the page and select the buy now button.

Computer Networking: The Complete Beginner's Guide to Learning the Basics of Network Security, Computer Architecture, Wireless Technology and Communications Systems (Including Cisco, CCENT, and CCNA) Benjamin Walker 2020-05-20 " Keeping this high-demand information from yourself will be detrimental to your technologically-clueless future self... Do computers and technology, in general, feel alien-like to you, as if it's something way past your time? The advancements made in technology have taken over how our society functions, and so there's no other way to deal with your shortcomings than to handle it head-on. According to TechCo, technology has influenced nearly every aspect of our daily lives, resulting in: Improved communication Improved forms of home entertainment Improved housing and lifestyle standards An altered healthy industry More convenient tools for education And last, but certainly not least: Easier travel, both short and long distances It's incredible to think there are people who have made all these things possible, yet, don't you want to know more about what's happening on the inside of it all? In a nutshell, it's a form of communication that allows for the sharing of resources from one device to another and without computer networking, none of the technology we have today could have been attained. Starting with the basics, you will be able to work your way up to become a computer whiz and be the one people turn to for computer advice. In Computer Networking, you will discover: The fundamental elements essential to creating your network, including why each of them is so important to your start-up A thorough explanation of the networking terms you need to know, written in plain English for easy comprehension How the Internet has had a revolutionary impact on our society, as well as what you can do to keep up with this undeniable part of our lives The best type of cable to use according to your networking needs The 4 main types of wireless networks you should know, along with what factors can interfere with the consistency of these connections The #1 aspect of computer networking that can present a critical threat to your valuable data if not taken seriously And much more. Even if you are at the very bottom of the computer food chain, there's no point in staying there. Technology will continue to advance whether you'd like it to or not, so you better jump on board before it's too late. Knowing your way around computers and how to utilize it for communication is a skill set required at almost every workplace you can find in the modern world, yet that fact is not something you should fear. Use it rather for motivation. The more skill sets you develop, the more opportunities you open for yourself. So with that being said, there's no better time than the present to begin your journey towards a well-informed, technologically-gifted you. Join the other side and finally be the one who's able to correct others about their computer knowledge... If you want to overcome your computer phobia and discover the endless opportunities computer networking has in store, then you need this book today! "

Computer Networking for Beginners David Brown 2020-12 Master Network Security, Computer Architecture, Internet, Wireless Technology, and More! Computer networking is extremely important because it allows multiple computers to communicate with each other and share files. Ever wondered how the internet works? Learning computer networking will help you answer this question. Terms like routers, TCP/IP, protocols, FTP, servers, and switches will no longer be jargon to you. This book takes you progressively from introduction to computer networking to advanced computer networking concepts to make the transition easy for you to your next read. The five comprehensive chapters contain lots of sub-chapters that will take you from soup to nuts and through the bits and bytes of networking, so you come out knowledgeable. Here are some of the things you will find in this book: An introduction to computer networking What you need to set up a network The basics of networking security Different types of networks and how they function How routing and switching works Step-by-step in detail through how you do networking The concept of machine learning and how it relates to networking FAQ Q: Will this book make me an expert in networking? A: Further reading will be required, but this book lays the foundation for

all aspects of networking including introducing you to advanced computer networking concepts. Q: Who is this book for? A: This book is for anyone interested in learning computer networking from the ground up in an easy to understand manner. Networking is a great career to delve into and a great foundation just makes it that much easier. Get yourself this guide on computer networking and lay the groundwork.

Computer Networking: Network+ Certification Study Guide for N10-008 Exam Richie Miller If you want to PASS the CompTIA Network+ Certification, this book is for you! The Network+ credential is the first certification that many IT professionals ever receive. It has been around for over 25 years at this point and has been awarded to over a million applicants during that time and this matter, because the certification has become well known by IT employers. When you're looking for a job and you have the Network+ after your name, most companies know that that's a real credential. It's also a vendor-neutral credential, in the sense that it doesn't promote any particular hardware or software vendor and although the exams do recognize and reflect the prominence of Microsoft Windows in the corporate world, they also include limited content on Apple operating systems, Linux, Android, and Chrome OS. Because Apple's operating systems only run on Apple hardware, the exams do cover Macs, iPhones, and iPads. It's fair to say that the CompTIA Network+ exams try to reflect the hardware and software that a technical support professional is likely to see in real life, and that's part of its relevance and appeal. In a nutshell, the Network+ certification is the preferred performance-based qualifying credential for technical support and IT operational roles, according to the organization that manages it, CompTIA. The Network+ certification focuses on the day-to-day work of an IT technician in a business environment. One reason the Network+ certification receives respect by IT employers is that it is accredited by international organizations. The ISO, or International Standards Organization, is a worldwide standard-setting group headquartered in Geneva, and ANSI, the American National Standards Institute, is the USA's representative to ISO. CompTIA has been accredited by ANSI for compliance with the ISO standard that applies to operating a certification body or organization, and CompTIA must maintain certain quality levels in order to maintain that accreditation. That's a bit of background on CompTIA and the Network+ certification. But who might benefit from this credential? Well, anyone wanting to be hired on by a company that requires it, certainly, but more broadly, anybody pursuing a career in tech support, for example, as a help desk analyst, service desk analyst or a desktop support technician. Field service techs will also find the credential helpful, as will those who aspire to being a network engineer or a documentation specialist in IT. This book will help you prepare for the latest CompTIA Network+ Certification, exam code: N10-008. BUY THIS BOOK NOW AND GET STARTED TODAY! In this book you will discover: · Network Troubleshooting Fundamentals · How to Establish a Theory of Cause · How to Test the Theory & Establish a Plan of Action · How to Test, Verify and Document the Solution · How to Identify and Troubleshoot Cable Issues · Fiber Optic Cables & Tools · How to use Ping, ARP & Traceroute · How to Capture Traffic · Wireless Troubleshooting & WiFi Tools · Common Wireless Issues · Configuration Issues · How to Troubleshoot Routing Issues · How to use Simple Network Management Protocol · How to use Netflow · How to use Syslog · How to Document IT Procedures and Plans · Security and Device Policies · Data Center Diagrams · MDF & IDF Diagrams · Logical Network Diagrams · Disaster Recovery · Backups and Snapshots · Service Level Agreement Fundamentals BUY THIS BOOK NOW AND GET STARTED TODAY!

Computer Networking for Beginners Jason Callaway 2020-08-09 If you are a student or a professional looking for more tech knowledge and skills, or if you are simply curious about the fascinating world of computer networking and its powerful applications in our everyday life, then this is the book for you! In *Computer Networking for Beginners* Jason Callaway has condensed all the knowledge you need to pass your next exam or take a professional certification in a simple and clear way: starting from the basics, you will learn both the theoretical and the practical elements of networking, becoming proficient with network technology, regardless of your previous experience. Learning how computers connect is not necessarily intended only for professionals. Wireless technology is all around us when we surf the web, use social networks or chat with friends and colleagues, we instantaneously send millions of information from one device to another. Anyone should be more aware of how this world works, especially in order to understand and avoid the potential negative impacts on our work and our privacy of the several security issues that could unexpectedly come out. Here is a tiny fraction of what you will find: A complete explanation of the

different network systems and their components The OSI reference model Computer Network Communication systems and their applications Internet, Ethernet, and wireless technology How a router works The precise definition of IP address, with step-by-step instructions to configure it All the secrets to the little-known process of IP subnetting How to configure a VLAN An introduction to Cisco System and the CCNA certification Computer networks' vulnerabilities and the basics of cybersecurity Machine learning techniques As you can easily understand, unlike all the other guides on the same topic that give you just the basics to get started, here the author has left nothing out. Becoming a professional networking engineer is now easier than ever. If you are ready to start the fascinating journey to discover this world, then click the BUY button and get your copy.

Computer Networking for Beginners John Hush 2020-10-11 Do you want to expand your knowledge in the field of computer networking? Do you want to know the future of networking? Do you ever wonder how the internet works? If it does, keep reading..... Computer networking can be defined as the technology that makes communication between different computer systems or devices sprinkled all around the globe possible. Computer networking can also be considered to be a subpart of telecommunications, computer science, information technology, and computer engineering as it uses technology that heavily relies upon the various applications of these scientific and engineering streams. Based upon the area of communication, and the abilities to cater to the specific needs of particular crowds, computer networks can be divided into three large divisions. They are: Internet Intranet Extranet There are two methods by which a network between different computer devices can be facilitated: wired connection and wireless connections. With so many fast-paced facilities and the convenient interface between the users and devices, it is virtually impossible to carry on with our tasks without the concept of computer networking. There are a lot of things for which we use computer networking in our life. Some of them are: The main goal of computer networking is, of course, to make sharing of resources and data possible all over the world in a small amount of time. Server- Client model: This structure is aptly suited for the corporate world, where the networking functions are overseen by a central administrator and all the other computers connected to it are called as clients, as used by the employees of the company. Promoting e-commerce platforms. Apart from these, networking also plays a huge role in our day to day activities: Interactive entertainment Person to person communication Easily accessible remote information Any set of computers or devices that are interconnected to one another and harbor the ability to exchange data between one another are said to be a part of a computer network. In today's world, we see a gradual shift from traditional technologies to a world that is soon going to be dominated by Information Technology. As computer networking stands at the center of the IT sector, we must have a firm grip over the topic to be compatible with the slow shift to a world with different priorities. The goal of the e-Book is simple: It helps the masses educate themselves about the basics and other advanced aspects of Computer Networking in the most simple of ways possible. In this book you will also learn: Wired and wireless technology Applications of wireless technology Network protocols Mobile wireless networks CCENT, CCNA, CCNP, CCAR etc. Home networks Download the eBook, Computer Networking to have a good knowledge of computer networking. Scroll to the top of the page and select the buy now button.

Computer Networking: Network+ Certification Study Guide for N10-008 Exam 4 Books in 1 Richie Miller If you want to PASS the CompTIA Network+ Certification, this book is for you! BUY THIS BOOK NOW AND GET STARTED TODAY! In this book you will discover: · Network Concepts and Protocols · CompTIA Network+ Exam Information · OSI Model & Network Operations · Encapsulation and the OSI Model · Network Protocols and Port Numbers · DHCP, DNS & NTP · SQL Database Protocols · TCP & UDP Protocols · Binary and Hexadecimal Numbers · How to Convert Decimal to Binary · IPv4 Addressing Fundamentals · Classless & Classfull Addressing · IP Address Types · How to Subnet Networks · IPv6 Address Fundamentals · IPv6 SLAAC & IPv6 DHCP · Network Address Translation · Dynamic Host Configuration Protocol · Domain Name System · Ethernet Cabling · Coax Cabling and Cable Termination · Fiber Optics · Multiplexing Fiber Optics · Ethernet Fundamentals · CSMA/CD · Duplex and Speed · Ethernet Frame Fundamentals · Ethernet Layer 2 Operation · Spanning Tree Protocol · VLANs and Port Aggregation · How to Route IP Traffic · Address Resolution Protocol · How to Send Ping to Default Gateway · How to Build Routing Tables · Wireless Networking Fundamentals · Wireless 802.11 Protocols · Wireless Ethernet

Operation · Wireless Topologies and Management · Wireless Encryption · Cellular Wireless · Layer 2 Devices and Services · Traffic Shaping · Neighbor Device Discovery · Load Balancer Fundamentals · Firewall Fundamentals · VoIP & SCADA Systems · Network Monitoring · Layer 2 Errors · Facilities Monitoring · Collecting Network Monitoring & Baselining · Network Security Fundamentals · Threats, Vulnerabilities & Exploits · How to Reduce Threat Exposure · Defense in Depth · Authentication, Authorization, and Accounting · Multifactor Authentication · Network Access Control · Security Assessments · How to Assess Risk · Human & Technical Exploits · WiFi Attacks & Rogue DHCP Servers · Password Attacks · How to Secure Layer 2 · Rogue DHCP Servers & Dynamic ARP Inspection · How to Secure Layer 3 & Layer 4 · How to Secure Layer 7 · Password & Wireless Security · Geofencing · Remote Access & Security · Virtual Private Networks · Remote Desktop & Virtual Desktops Connections · Network Management Options · Video Surveillance & Asset Tracking · Network Topologies & Types · Blank Area Networks · WAN Technologies · Virtualized Networks · Data Center Networks · Software Defined Networking · SAN & Cloud Computing · Cloud Services · Network Troubleshooting Fundamentals · How to Establish a Theory of Cause · How to Test the Theory & Establish a Plan of Action · How to Test, Verify and Document the Solution · How to Identify and Troubleshoot Cable Issues · Fiber Optic Cables & Tools · How to use Ping, ARP & Traceroute · How to Capture Traffic · Wireless Troubleshooting & WiFi Tools · Common Wireless Issues · Configuration Issues · How to Troubleshoot Routing Issues · How to use Simple Network Management Protocol · How to use Netflow · How to use Syslog · How to Document IT Procedures and Plans · Security and Device Policies · Data Center Diagrams · MDF & IDF Diagrams · Logical Network Diagrams · Disaster Recovery · Backups and Snapshots · Service Level Agreement Fundamentals BUY THIS BOOK NOW AND GET STARTED TODAY!

Computer Networking Ramon Nastase 2018-05-07 Curious about how the Internet works? Well, the Internet is formed of many, many interconnected computer networks. This Computer Networking book is designed for everyone who is willing to learn about all of the great stuff the Internet has to offer. You'll learn all the basics stuff you need to know about computer networking from this book. You'll become extremely familiar with terms like UTP, Ethernet, MAC, IP, TCP & UDP, etc.. It doesn't matter if you are in charge of a small or a large network, at home or at an office, you will learn how to set everything up and how to keep it working. It's the guide to computer networking for every beginner. This book is made out of 8 chapters that will teach you, step by step, how to be successful at computer networking. Here's what it will teach you, among other things: * What networks are and how they are functioning * What you need to set up a network * What is Ethernet and how a MAC address works * How to configure an IP address on Windows 7 to 10 * Everything about IP addresses and ports (TCP or UDP) * Different network applications * Cisco IOS and CLI Get this book NOW, and you will not only discover new things you didn't know about computer networking, you will also get the chance to practice correctly the setting up and the maintenance of a network. Tags: Computer Networking, Networking, Computer Networking for Beginners, Computer Networks, Cisco Networking, OSI Model, Computer Networks

Computer Networking for Beginners: the Complete Guide to Wireless Technology, Network Security, Computer Architecture and Communications Systems. John Hush 2020-10-27 Do you want to expand your knowledge in the field of computer networking? Do you want to know the future of networking? Do you ever wonder how the internet works? If it does, keep reading..... Computer networking can be defined as the technology that makes communication between different computer systems or devices sprinkled all around the globe possible. Computer networking can also be considered to be a subpart of telecommunications, computer science, information technology, and computer engineering as it uses technology that heavily relies upon the various applications of these scientific and engineering streams. Based upon the area of communication, and the abilities to cater to the specific needs of particular crowds, computer networks can be divided into three large divisions. They are: Internet Intranet Extranet There are two methods by which a network between different computer devices can be facilitated: wired connection and wireless connections. With so many fast-paced facilities and the convenient interface between the users and devices, it is virtually impossible to carry on with our tasks without the concept of computer networking. There are a lot of things for which we use computer networking in our life. Some of them are: The main goal of computer networking is, of course, to make sharing of resources and data possible all over

the world in a small amount of time. Server- Client model: This structure is aptly suited for the corporate world, where the networking functions are overseen by a central administrator and all the other computers connected to it are called as clients, as used by the employees of the company. Promoting e-commerce platforms. Apart from these, networking also plays a huge role in our day to day activities: Interactive entertainment Person to person communication Easily accessible remote information Any set of computers or devices that are interconnected to one another and harbor the ability to exchange data between one another are said to be a part of a computer network. In today's world, we see a gradual shift from traditional technologies to a world that is soon going to be dominated by Information Technology. As computer networking stands at the center of the IT sector, we must have a firm grip over the topic to be compatible with the slow shift to a world with different priorities. The goal of the e-Book is simple: It helps the masses educate themselves about the basics and other advanced aspects of Computer Networking in the most simples of ways possible. In this book you will also learn: Wired and wireless technology Applications of wireless technology Network protocols Mobile wireless networks CCENT, CCNA, CCNP, CCAR etc. Home networks Download the eBook, Computer Networking to have a good knowledge of computer networking. Scroll to the top of the page and select the buy now button.

Computer Networking Ramon Nastase 2017-11-23 Here is a preview of what you'll learn: *How the Internet works *How end devices (such as smart phone, laptops, tablets) communicate in the Internet * How does our networks work and of how may types are there *What is a router, a switch, an IP address or a Mac address *What's the OSI Model and how it helps us*a breakdown of the 7 layers of the OSI Model * How can you apply this knowledge in a practical scenario with Cisco devices

Computer Networking: Network+ Certification Study Guide for N10-008 Exam 2 Books in 1 Richie Miller If you want to PASS the CompTIA Network+ Certification, this book is for you! BUY THIS BOOK NOW AND GET STARTED TODAY! In this book you will discover: · Network Security Fundamentals · Threats, Vulnerabilities & Exploits · How to Reduce Threat Exposure · Defense in Depth · Authentication, Authorization, and Accounting · Multifactor Authentication · Network Access Control · Security Assessments · How to Assess Risk · Human & Technical Exploits · WiFi Attacks & Rogue DHCP Servers · Password Attacks · How to Secure Layer 2 · Rogue DHCP Servers & Dynamic ARP Inspection · How to Secure Layer 3 & Layer 4 · How to Secure Layer 7 · Password & Wireless Security · Geofencing · Remote Access & Security · Virtual Private Networks · Remote Desktop & Virtual Desktops Connections · Network Management Options · Video Surveillance & Asset Tracking · Network Topologies & Types · Blank Area Networks · WAN Technologies · Virtualized Networks · Data Center Networks · Software Defined Networking · SAN & Cloud Computing · Cloud Services · Network Troubleshooting Fundamentals · How to Establish a Theory of Cause · How to Test the Theory & Establish a Plan of Action · How to Test, Verify and Document the Solution · How to Identify and Troubleshoot Cable Issues · Fiber Optic Cables & Tools · How to use Ping, ARP & Traceroute · How to Capture Traffic · Wireless Troubleshooting & WiFi Tools · Common Wireless Issues · Configuration Issues · How to Troubleshoot Routing Issues · How to use Simple Network Management Protocol · How to use Netflow · How to use Syslog · How to Document IT Procedures and Plans · Security and Device Policies · Data Center Diagrams · MDF & IDF Diagrams · Logical Network Diagrams · Disaster Recovery · Backups and Snapshots · Service Level Agreement Fundamentals BUY THIS BOOK NOW AND GET STARTED TODAY!

Computer Networking Beginners Guide Kevin Morgan 2020-10-12 Do you want to learn the basic concepts to build your computer network in a simple and effective way? read on. We are more than happy to present our latest product: "COMPUTER NETWORKING BEGINNERS GUIDE" - a comprehensive guide for any newcomer interested in understanding the operation of computer networks and telecommunications technology in general. A computer network is a type of telecommunications network characterized by a set of hardware devices with appropriate switching software, nodes connected to each other by special communication channels (links), such as to provide a communication service that allows the exchange and sharing of data and communication between multiple users or devices. The data is transferred as a PDU (Packet Data Unit), consisting of a header (which contains the data for sending the message) and a body (which contains the body of the message), all governed by strict protocols. To create a computer network it is necessary to know all the basic concepts so that the network is efficient and above all safe from possible

external attacks. Whether you are responsible for a small network or a large network, this book is full of information needed to create a network and keep it running. Becoming a network owner has never been easier. This is the basic guide to creating, managing and protecting a successful network. It is the network guide for every beginner. When you finish reading this book you will learn ALL the basic concepts for an efficient and secure network. and much more, Topics: Wireless communication technologies Mobile communication systems The challenges of wireless technology Network protocols Wireless technology security Wireless network security features Security issues in wireless networks Wireless computer network architecture Security architecture Wireless cellular networks Communication and network systems Cisco, CCNA Systems. The OSI model Wireless network applications Wired network components What are you waiting for? Get your copy NOW!!

Computer Networks Carl Oldroyd 2021-03-16 Computer networking is a means by which computers are interconnected to share data and information, resources, and all other network devices such as printers. This book covers the following topics: ✓Networking Basics - This chapter considers the needs of a real beginner in computer networking and covers the following crucial topics: definition of computer networking, types of computer networks, network topologies, and network architecture. ✓Network Hardware - A comprehensive discussion on different network components that include routers, hubs, switches, etc. ✓Network Cabling - This chapter discusses the different cabling standards include coaxial, fiber optic cable and twisted-pair copper cable. ✓Wireless Networking - Fundamental technicalities of wireless technology that is of great significance to the entire computer networking discipline. This chapter offers important information on how to enjoy the benefits of Wi-Fi technology and how to set up and configure a computer for wireless connectivity. ✓IP Addressing - This chapter pays great attention to the basics of IP addressing, and the different number systems (binary, decimal, and hexadecimal) ✓IP Subnetting - Introduction to concepts of subnetting. ✓Network Protocols - Various protocols of the TCP/IP suite. ✓Internet Essentials - Different terminologies regarding the Internet, the worldwide web, and history of the Internet. ✓Virtualization in cloud computing - Concept of virtualization, its relevance in computer networking, and an examination of cloud services. ✓Network Troubleshooting - This chapter considers troubleshooting as a top management function.

Computer Networking Beginners Guide Erick Stack 2019-11-08 Are you looking for a guide to learn the basics of a computer network? This book is for you! Before the advent of the wireless technology era, the existing communication technologies were primarily powered by wired technology. From the telephone to the fax machine, communication was not possible without a physical connection between the communication device and the source of the power of the device. For instance, there had to be a connection between a wired telephone and the dial board for communication to be possible. Just as with every other wired device, wireless communication has successfully displaced wired communication. The term wireless communication came into existence in the 19th century. Over the years, wireless communication technology has taken a new dimension. It ranks among the best mediums of information transmission from one device to other devices. This is not unconnected to the ease with which it allows users to communicate with others even if they are operating from a remote area. There are tons of devices that have been adapted for wireless communications. They include GPS, cordless phones, satellite television, Wi-Fi, and some other wireless computer parts. Recently, both the 3 and 4G networks have been included in the list alongside Bluetooth. This guide will cover the following topics: Wireless hardware and standard Subnetting Reminders and Tips Wireless Technologies Managing Routers and Switches Advanced Configurations IPv6 vs IPv4 The Internet's big arena Moving the Router Cabling the Network Subnetting Basics IPv6 Subnetting Scaling Networks... AND MORE! Buy this guide NOW to have the keys of networking with you and organize your computer network! Scroll to the top of the page and select the BUY NOW button...

Computer Networking for Beginners Jason Callaway 2020-11-08 If you are a student or a professional looking for more tech knowledge and skills, or if you are simply curious about the fascinating world of computer networking and its powerful applications in our everyday life, then this is the book for you! In *Computer Networking for Beginners* Jason Callaway has condensed all the knowledge you need to pass your next exam or take a professional certification in a simple and clear way: starting from the basics, you will learn both the theoretical and the practical elements of networking, becoming proficient with network

technology, regardless of your previous experience. Learning how computers connect is not necessarily intended only for professionals. Wireless technology is all around us: when we surf the web, use social networks or chat with friends and colleagues, we instantaneously send millions of information from one device to another. Anyone should be more aware of how this world works, especially in order to understand and avoid the potential negative impacts on our work and our privacy of the several security issues that could unexpectedly come out. Here is a tiny fraction of what you will find: A complete explanation of the different network systems and their components The OSI reference model Computer Network Communication systems and their applications Internet, Ethernet, and wireless technology How a router works The precise definition of IP address, with step-by-step instructions to configure it All the secrets to the little-known process of IP subnetting How to configure a VLAN An introduction to Cisco System and the CCNA certification Computer networks' vulnerabilities and the basics of cybersecurity Machine learning techniques As you can easily understand, unlike all the other guides on the same topic that give you just the basics to get started, here the author has left nothing out. Becoming a professional networking engineer is now easier than ever!

Essential Guide to Computer Networking for Beginners and Novices Sandra Bronson 2021-03-25 When you buy a new computer, the first thing you'll probably try to do is connect to the Internet. To do this, you establish a connection to your router, which receives the data from the Internet and then forwards it to the computer. Of course that's not all: Next, you could also connect your printer, smartphone or TV to the router so that these devices are also connected to the Internet. Now you have connected different devices to each other via a central access point and created your own network. But what exactly does that mean? **A Beginner's Guide for Mastering Computer Networking** Computer Networking School 2020-11-21 If you want to know more about computer networking, then keep reading... Having a full understanding of our networks and how they work, and even how we can get more features out of it and the security of our messages and data needs is important. Whether we focus on our individual home networks or we are trying to handle some of our business networks, we need to make sure that we understand the inner workings of a network, and that we are able to utilize all of the parts to give us a competitive edge. Knowing more about your own network is going to be one of the best ways for us to keep things secure, to help you pick the right options to handle the data we are working with, and so much more. Moreover, inside this guidebook, we are going to take a closer look at how to do this work as well. Have you ever been interested in learning about the setup of a network or how the IP addresses and IP subnetting can work to enhance your network? Have you been interested in learning how to handle the internet on your network, and even why the cloud could be a good decision for you to use for your business? On the other hand, even a look at the different network cabling options, hardware names, and more that can bring your network together? All of this and more will be discussed inside of this guidebook. We have gone quite in-depth so you can get a good understanding of the computer networking basics when we are done, you will be prepared to handle some of the different parts of your network, no matter how big or small. Some of the topics that we will discuss in this guidebook include: Some of the basics that beginners need to know about networking. Learning more about the different hardware that your network needs. The different options that you have with network cabling. A look at IP addressing and IP subnetting. Common networking protocols that we can focus on to keep our networks safe. A look at how to handle the internet and some of the networking that we need to do online. A look at the process of virtualization and how it works with the cloud to help us store our data and keep it safe. An introduction to the Windows operating system and how it is going to be there to help us with many of our networking needs. Networking for a beginner can seem like a complex tool to work with, and often when we are first getting into the process, we worry that it is going to be too hard to handle, or that we will not be able to understand all of the parts that come with it. Thanks to this guidebook and the different parts that come with it, we will be able to learn all of the essentials that come with networking and will be able to use them for our needs as well. Even if you have never studied computer network before, you can learn it quickly. So what are you waiting for? Go to the top of the page and click Buy Now! **Networking for Beginners** Russell Scott 2019-10-31 Do you want to find out how a computer network works? Do you want to understand what it all takes to keep a network up and running? This book is all you need! When the first computers were built during the second world war, they were expensive and isolated.

However, after about twenty years, as their prices gradually decreased, the first experiments began to connect computers together. At the time, sharing them over a long distance was an interesting idea. Computers and the Internet have changed this world and our lifestyle forever. We just need to touch a small button and within a fraction of a second, we can make a call, send a file or video message. The major factor that lies behind this advanced technology is none other than computer network. That's why it's important to know how it works! NETWORKING FOR BEGINNERS will help you navigate your way to becoming proficient with the network fundamentals through the following topics: Networking Basics - Types of computer networks, network topologies, and network architecture. Network Hardware - The different network components (routers, hubs, switches, etc.). Network Cabling - The different cabling standards (coaxial, fiber optic cable, twisted-pair copper cable, etc.). Wireless Networking - Fundamental technicalities of wireless technology, how to enjoy the benefits of Wi-Fi technology, and how to set up and configure a computer for wireless connectivity. IP Addressing - Basics of IP addressing, and the different number systems (binary, decimal, and hexadecimal). IP Subnetting - Introduction to concepts of subnetting. Network Protocols - Various protocols of the TCP/IP suite. Internet Essentials - Different terminologies regarding the Internet, the worldwide web, and history of the Internet. Virtualization in cloud computing - Concept of virtualization, its relevance in computer networking and an examination of cloud services. Network Troubleshooting - Effective network management must address all issues pertaining to the following: hardware, administration and end-user support, software, data management. NETWORKING FOR BEGINNERS is an easy-to-read book for anyone hungry for computer networking knowledge. The language used is simple, and even the very technical terms that pop from time to time have been explained in a way that is easy to understand. So, what are you waiting for? Scroll to the top of the page and grab your copy!

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