

Commodity Connections Cookbook

Network Automation Cookbook Network Scanning Cookbook Network Analysis Using Wireshark 2 Cookbook Linux Networking Cookbook Network Analysis using Wireshark Cookbook Spring Boot 3.0 Cookbook PostgreSQL 16 Administration Cookbook ADO.NET Cookbook RxJS Cookbook for Reactive Programming Ruby Cookbook NGINX Cookbook Flex 3 Cookbook Queering Nutrition and Dietetics Cloud Native Patterns MySQL Cookbook Windows Server 2019 Cookbook Linux Server Cookbook Python Network Programming Cookbook Critical Approaches to Food in Children's Literature SQL Server 2017 Integration Services Cookbook ASP.NET 9 Core Web API Cookbook MySQL Cookbook Azure Networking Cookbook Oracle Service Bus 11g Development Cookbook Kali Linux Network Scanning Cookbook Apache Cordova API Cookbook Data Ingestion with Python Cookbook Food Network Kitchens Cookbook PHP Cookbook IBM System Storage SAN Volume Controller, IBM Storwize V7000, and IBM FlashSystem 7200 Best Practices and Performance Guidelines Rust Standard Library Cookbook Azure Serverless Computing Cookbook NGINX Cookbook OpenStack Cloud Computing Cookbook Tableau Cookbook for Experienced Professionals PostgreSQL 14 Administration Cookbook Authors in the Pantry Feeding the Middle Classes Practical Neural Network Recipes in C++ Chef Cookbook Karim Okasha Sairam Jetty Nagendra Kumar Carla Schroder Yoram Orzach Felip Miguel Puig Gianni Ciolli Bill Hamilton Nikola Mitrović Lucas Carlson Tim Butler Joshua Noble Phillip Joy Cornelia Davis Elias Negrin Mark Henderson Alberto Gonzalez Pradeeban Kathiravelu Kara K. Keeling Christian Cote Luke Avedon Paul DuBois Mustafa Toroman Guido Schmutz Michael Hixon John M. Wargo Glaucia Espenchutz Jennifer Darling Eric A. Mann Jon Tate Jan Hohenheim Praveen Kumar Sreeram Derek DeJonghe Kevin Jackson Pablo Sáenz de Tejada Simon Riggs Sharron L. McElmeel Kate Gibson Timothy Masters Matthias Marschall

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take your network automation skills to the next level with practical recipes on managing network devices from a variety of vendors like cisco juniper and arista key featuresuse ansible to automate network infrastructure with the help of step by step instructionsimplement network automation best practices to save cost avoid critical errors and reduce downtimedeliver a robust automation framework by integrating ansible with napalm netbox and batfishbook description network automation cookbook is designed to help system administrators network engineers and infrastructure automation engineers to centrally manage switches routers and other devices in their organization s network this book will help you gain hands on experience in automating enterprise networks and take you through core network automation techniques using the latest version of ansible and python with the help of practical recipes you ll learn how to build a network infrastructure that can be easily managed and updated as it scales through a large number of devices you ll also cover topics related to security automation and get to grips with essential techniques to maintain network robustness as you make progress the book will show you how to automate networks on public cloud providers such as aws google cloud platform and azure finally you will get up and running with ansible 2.9 and discover troubleshooting techniques and network automation best practices by the end of this book you ll be able to use ansible to automate modern network devices and integrate third party tools such as napalm netbox and batfish easily to build robust network automation solutions what you will learnunderstand the various components of ansibleautomate network resources in aws gcp and azure cloud solutionsuse iac concepts to design and build network solutionsautomate network devices such as cisco juniper arista and f5use netbox to build network inventory and integrate it with ansiblevalidate networks using ansible and batfishwho this book is for this ansible network automation book is for network and devops engineers interested in automating complex network tasks prior understanding of networking and basic linux knowledge is required

discover network vulnerabilities and threats to design effective network security strategies key featuresplunge into scanning techniques using the most popular toolseffective vulnerability assessment techniques to safeguard network infrastructureexplore the nmap scripting engine nse and the features used for port and vulnerability scanningbook description network scanning is a discipline of network security that identifies active hosts on networks and determining whether there are any vulnerabilities that could be exploited nessus and nmap are among the top tools that enable you to scan your network for vulnerabilities and open ports which can be used as back doors into a network network scanning cookbook contains recipes for configuring these tools in your infrastructure that get you started with scanning ports services and devices in your network as you progress through the chapters you will learn how to carry out various key scanning tasks such as firewall detection os detection and access management and will look at problems related to vulnerability scanning and exploitation in the network the book also contains recipes for assessing remote services and the security risks that they bring to a network infrastructure by the end of the book you will be familiar with industry grade tools for network scanning and techniques for vulnerability scanning and network protection what you will learninstall and configure nmap and nessus in your network infrastructureperform host discovery to identify network devicesexplore best practices for vulnerability scanning and risk assessmentunderstand network enumeration with nessus and nmapcarry out configuration audit using nessus for various platformswrite custom nessus and nmap scripts on your ownwho this book is for if you re a network engineer or information security professional wanting to protect your networks and perform advanced scanning and remediation for your network infrastructure this book is for you

over 100 recipes to analyze and troubleshoot network problems using wireshark 2 key features place wireshark 2 in your network and configure it for effective network analysis deep dive into the enhanced functionalities of wireshark 2 and protect your network with ease a practical guide with exciting recipes on a widely used network protocol analyzer book description this book contains practical recipes on troubleshooting a data communications network this second version of the book focuses on wireshark 2 which has already gained a lot of traction due to the enhanced features that it offers to users the book expands on some of the subjects explored in the first version including tcp performance network security wireless lan and how to use wireshark for cloud and virtual system monitoring you will learn how to analyze end to end ipv4 and ipv6 connectivity failures for unicast and multicast traffic using wireshark it also includes wireshark capture files so that you can practice what you ve learned in the book you will understand the normal operation of e mail protocols and learn how to use wireshark for basic analysis and troubleshooting using wireshark you will be able to resolve and troubleshoot common applications that are used in an enterprise network like netbios and smb protocols finally you will also be able to measure network parameters check for network problems caused by them and solve them effectively by the end of this book you ll know how to analyze traffic find patterns of various

offending traffic and secure your network from them what you will learn configure wireshark 2 for effective network analysis and troubleshooting set up various display and capture filters understand networking layers including ipv4 and ipv6 analysis explore performance issues in tcp ip get to know about wi fi testing and how to resolve problems related to wireless lans get information about network phenomena events and errors locate faults in detecting security failures and breaches in networks who this book is for this book is for security professionals network administrators r d engineering and technical support and communications managers who are using wireshark for network analysis and troubleshooting it requires a basic understanding of networking concepts but does not require specific and detailed technical knowledge of protocols or vendor implementations

this soup to nuts collection of recipes covers everything you need to know to perform your job as a linux network administrator whether you re new to the job or have years of experience with linux networking cookbook you ll dive straight into the gnarly hands on work of building and maintaining a computer network running a network doesn t mean you have all the answers networking is a complex subject with reams of reference material that s difficult to keep straight much less remember if you want a book that lays out the steps for specific tasks that clearly explains the commands and configurations and does not tax your patience with endless ramblings and meanderings into theory and obscure rfc's this is the book for you you will find recipes for building a gateway firewall and wireless access point on a linux network building a voip server with asterisk secure remote administration with ssh building secure vpns with openvpn and a linux pptp vpn server single sign on with samba for mixed linux windows lans centralized network directory with openldap network monitoring with nagios or mrtg getting acquainted with ipv6 setting up hands free networks installations of new systems linux system administration via serial console and a lot more each recipe includes a clear hands on solution with tested code plus a discussion on why it works when you need to solve a network problem without delay and don t have the time or patience to comb through reference books or the for answers linux networking cookbook gives you exactly what you need

network analysis using wireshark cookbook contains more than 100 practical recipes for analyzing your network and troubleshooting problems in the network this book provides you with simple and practical recipes on how to solve networking problems with a step by step approach this book is aimed at research and development professionals engineering and technical support and it and communications managers who are using wireshark for network analysis and troubleshooting this book requires a basic understanding of networking concepts but does not require specific and detailed technical knowledge of protocols or vendor implementations

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written by a team of well known postgresql experts this new edition will cover all the latest updates of postgresql 16 including 12 new and improved recipes on logging monitoring security and high performance purchase of the print or kindle book includes a free pdf ebook key features skill up as a database administrator by achieving improved query performance backup and recovery management setting up replication and so on get to grips with the essentials of database management with a recipe based approach using the latest features of postgresql 16 new and updated recipes on crucial postgresql topics like monitoring logging scalability and so on book description postgresql has seen a huge increase in its customer base in the past few years and is becoming one of the go to solutions for anyone who has a database

specific challenge this postgresql book touches on all the fundamentals of database administration in a problem solution format it is intended to be the perfect desk reference guide this new edition focuses on recipes based on the new postgresql 16 release the additions include handling complex batch loading scenarios with the sql merge statement security improvements running postgres on kubernetes or with tpa and ansible and more this edition also focuses on certain performance gains such as query optimization and the acceleration of specific operations such as sort it will help you understand roles ensuring high availability concurrency and replication it also draws your attention to aspects like validating backups recovery monitoring and scaling aspects this book will act as a one stop solution to all your real world database administration challenges by the end of this book you will be able to manage monitor and replicate your postgresql 16 database for efficient administration and maintenance with the best practices from experts what you will learn discover how to improve batch data loading with the sql merge statement use logical replication to apply large transactions in parallel improve your back up and recovery performance with server side compression tackle basic to high end and real world postgresql challenges with practical recipes monitor and fine tune your database with ease learn to navigate the newly introduced features of postgresql 16 efficiently secure your postgresql database with new and updated features who this book is for this postgres book is for database administrators data architects database developers and anyone with an interest in planning and running live production databases using postgresql 16 those looking for hands on solutions to any problem associated with postgresql 16 administration will also find this book useful some experience with handling postgresql databases will help you to make the most out of this book however it is a useful resource even if you are just beginning your postgres journey

designed in the highly regarded o reilly cookbook format ado net cookbook is strikingly different from other books on the subject it isn't bogged down with pages of didactic theory the ado net cookbook focuses exclusively on providing developers with easy to find coding solutions to real problems ado net cookbook is a comprehensive collection of over 150 solutions and best practices for everyday dilemmas for each problem addressed in the book there's a solution a short focused piece of code that programmers can insert directly into their applications and ado net cookbook is more than just a handy compilation of cut and paste c and vb net code ado net cookbook offers clear explanations of how and why the code works warns of potential pitfalls and directs you to sources of additional information so you can learn to adapt the problem solving techniques to different situations this is a painless way for developers who prefer to learn by doing to expand their skills and productivity while solving the pressing problems they face every day these time saving recipes include vital topics like connecting to data retrieving and managing data transforming and analyzing data modifying data binding data to net user interfaces optimizing net data access enumerating and maintaining database objects and maintaining database integrity the diverse solutions presented here will prove invaluable over and over again for ado net programmers at all levels from the relatively inexperienced to the most

sophisticated

build scalable efficient applications with seamless async data handling and blazing fast user experience by unleashing reactive programming with angular key features master rxjs observables operators and subjects to improve your reactive programming skills explore advanced concepts like error handling state management pwa real time and event driven systems enhance reactive skills with modern web programming techniques best practices and real world examples purchase of the print or kindle book includes a free pdf ebook book descriptionbuilding modern web applications that are responsive and resilient is essential in this rapidly evolving digital world imagine effortlessly managing complex data streams and creating seamless user experiences this book helps you do just that by adopting rxjs to boost your development skills and transform your approach to reactive programming written by a seasoned software engineer and consultant with a decade of industry experience this book equips you to harness the power of rxjs techniques patterns and operators tailored for real world scenarios each chapter is filled with practical recipes designed to tackle a variety of challenges from managing side effects and ensuring error resiliency in client applications to developing real time chat applications and event driven microservices you ll learn how to integrate rxjs with popular frameworks such as angular and nestjs gaining insights into modern web development practices that enhance performance and interactivity by the end of this book you ll have mastered reactive programming principles the rxjs library and working with observables while crafting code that reacts to changes in data and events in a declarative and asynchronous way what you will learn manage error handling side effects and event orchestration in your angular and nestjs applications use rxjs to build stunning interactive user interfaces with angular apply angular testing strategies to ensure the reliability of your rxjs powered applications optimize the performance of rxjs streams enhance progressive web app experiences with rxjs and angular apply rxjs principles to build state management in angular craft reactive and event driven microservices in nestjs who this book is for this book is ideal for intermediate to advanced javascript developers who want to adopt reactive programming principles using rxjs whether you re working with angular or nestjs you ll find recipes and real world examples that help you leverage rxjs for managing asynchronous operations and reactive data flows across both your frontend and backend

do you want to push ruby to its limits the ruby cookbook is the most comprehensive problem solving guide to today s hottest programming language it gives you hundreds of solutions to real world problems with clear explanations and thousands of lines of code you can use in your own projects from data structures and algorithms to integration with cutting edge technologies the ruby cookbook has something for every programmer beginners and advanced rubyists alike will learn how to program with strings and numbers arrays and hashes classes modules and namespaces reflection and metaprogramming xml and html processing ruby on rails including ajax integration databases graphics internet

services like email ssh and bittorrent services multitasking graphical and terminal interfaces if you need to write a web application this book shows you how to get started with rails if you re a system administrator who needs to rename thousands of files you ll see how to use ruby for this and other everyday tasks you ll learn how to read and write excel spreadsheets classify text with bayesian filters and create pdf files we ve even included a few silly tricks that were too cool to leave out like how to blink the lights on your keyboard the ruby cookbook is the most useful book yet written about ruby when you need to solve a problem don t reinvent the wheel look it up in the cookbook

a practical book on real world nginx deployments to get you up and running quickly about this book be the first to immerse yourself in the nginx 1.9.x web server and explore the plethora of advanced features master the skills of load balancing tcp based applications and implementing http 2 a recipe based approach book that provides you with up to date information on nginx allowing you to implement specific use cases immediately who this book is for this book is aimed at smaller to medium developers who are just getting started with nginx it assumes they already understand the basics of how a web server works and how basic networking works what you will learn practical real world examples and recipes on how to use nginx common cms deployments such as wordpress joomla and more nginx configurations for frameworks such as ruby on rails django and more detailed ssl recipes including http 2 real world rewrite examples basic web and tcp load balancing configuration bandwidth management and connection limiting detailed nginx deployment scenarios with docker performance tuning and monitoring of your nginx deployments openresty deployment guides advanced deployments with nginx plus features in detail nginx cookbook covers the basics of configuring nginx as a web server for use with common web frameworks such as wordpress and ruby on rails through to utilization as a reverse proxy designed as a go to reference guide this book will give you practical answers based on real world deployments to get you up and running quickly recipes have also been provided for multiple ssl configurations different logging scenarios practical rewrites and multiple load balancing scenarios advanced topics include covering bandwidth management docker container usage performance tuning openresty and the nginx plus commercial features by the time you ve read this book you will be able to adapt and use a wide variety of nginx implementations to solve any problems you have

the best way to showcase a powerful new technology is to demonstrate its real world results and that s exactly what this new cookbook does with adobe flex 3 wide ranging and highly practical flex 3 cookbook contains more than 300 proven recipes for developing interactive rich internet applications and 20 sites you ll find everything from flex basics to solutions for working with visual components and data access to tips on application development unit testing and using adobe air you also get ideas from the development community through its flex cookbook website adobe.com/devnet adobe invited flex developers to post their own solutions for working with this technology and from

hundreds of posts the authors chose the best and most useful solutions to supplement flex 3 cookbook each recipe inside provides a solution to a common problem explains how and why it works and offers sample code that you can put to use immediately topics include containers and dialogues working with text data driven components datagrid and advanced datagrid itemrenderers and editors images bitmaps videos and sounds css styling and skinning states and effects working with collections arrays and dataproviders using databinding validation formatting and regular expressions using charts and data visualization services and data access using rsls and modules working with adobe air whether you re a committed flex developer or still evaluating the technology you ll discover how to get quick results with flex 3 using the recipes in this cookbook it s an ideal way to jumpstart your next web application

this book presents experiences of lgbtq people relating to food bodies nutrition health wellbeing and being queer through critical writing and creative art the chapters bring lgbtq voices into the spotlight through arts based scholarship and contribute to experiential learning allowing for more understanding of the lives of lgbtq people within the dietetic profession divided into three parts the first explores eating food and bodies the second discusses communities connections and celebrations and the final part covers care in practice topics include body image eating disorders weight stigma cooking and culinary journeys queer food culture queer practices in nutrition counseling and gendered understandings of nutrition exploring not only experiences of marginalization homophobia transphobia and cisheteronormativity within dietetics and nutritional healthcare this collection also dives into the positive connections and supportive communities that food can create special attention is paid to the intersections of oppression colonialism social justice and politics this book will be beneficial to all health professionals educators and students creating and fostering safer more inclusive and more accepting environments for their lgbtq clients

summary cloud native patternsis your guide to developing strong applications that thrive in the dynamic distributed virtual world of the cloud this book presents a mental model for cloud native applications along with the patterns practices and tooling that set them apart purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology cloud platforms promise the holy grail near zero downtime infinite scalability short feedback cycles fault tolerance and cost control but how do you get there by applying cloudnative designs developers can build resilient easily adaptable web scale distributed applications that handle massive user traffic and data loads learn these fundamental patterns and practices and you ll be ready to thrive in the dynamic distributed virtual world of the cloud about the book with 25 years of experience under her belt cornelia davis teaches you the practices and patterns that set cloud native applications apart with realistic examples and expert advice for working with apps data services routing and more she shows you how to design and build software that functions beautifully on modern cloud platforms as you read you will start to appreciate that cloud native

computing is more about the how and why rather than the where what's inside the lifecycle of cloud native apps cloud scale configuration management zero downtime upgrades versioned services and parallel deploys service discovery and dynamic routing managing interactions between services including retries and circuit breakers about the reader requires basic software design skills and an ability to read java or a similar language about the author cornelia davis is vice president of technology at pivotal software a teacher at heart she's spent the last 25 years making good software and great software developers table of contents part 1 the cloud native context you keep using that word defining cloud native running cloud native applications in production the platform for cloud native software part 2 cloud native patterns event driven microservices it's not just request response app redundancy scale out and statelessness application configuration not just environment variables the application lifecycle accounting for constant change accessing apps services routing and service discovery interaction redundancy retries and other control loops fronting services circuit breakers and api gateways troubleshooting finding the needle in the haystack cloud native data breaking the data monolith

description mysql cookbook mysql is a popular open source database and sql is the top language for querying creating and managing data in databases developers and administrators widely use it for general and specific applications mysql powers business it applications like crm and erp apis web and e commerce platforms database management data analytics and increasingly big data and data science projects it starts with mysql workbench for beginners and moves to mysql shell for advanced scripting learn data redundancy disaster recovery and server connections in various languages core functions like select joins insert update and delete are explained explore string date and time functions sorting stored procedures triggers and data manipulation finally it covers user management backups performance and security best practices by the end of this book you will be adept at interacting with mysql databases crafting efficient queries and confidently managing your data for optimal performance and security key features gain confidence and skills to solve data problems with hands on mysql exercises learn practical mysql skills by solving common database issues connect to servers issue queries retrieve data and manage mysql tasks what you will learn connect to a server issue queries and retrieve results from mysql server store retrieve and manipulate strings and work with dates and times sort query results and generate aggregations use stored routines triggers and scheduled events perform basic mysql administration tasks and monitoring fundamentals who this book is for whether you are a developer an administrator a faculty member teaching databases or a student aiming to enhance your skills this book provides valuable insights and hands on knowledge to tackle database related questions and problems effectively table of contents 1 using the mysql client program 2 using mysql shell 3 using mysql replication 4 writing mysql based programs 5 querying data from tables tables management 6 working with strings 7 working with dates and times 8 sorting query results 9 using stored routines triggers and scheduled events 10 importing and exporting data 11 validating and reformatting data 12 generating and using sequences

13 working with json 14 server administration 15 monitoring the database server and security

efficiently manage and administer enterprise environments using microsoft windows server 2019 key featuresleverage windows server 2019 to improve enterprise workflow efficiency and increase productivitydeliver enterprise grade cloud services that can be applied in your infrastructureget up and running with powershell and the all new hyper v improvementsbook description do you want to get up and running with essential administrative tasks in windows server 2019 this second edition of the windows server 2019 cookbook is packed with practical recipes that will help you do just that the book starts by taking you through the basics that you need to know to get a windows server operating system working before teaching you how to navigate through daily tasks using the upgraded graphical user interface gui you ll then learn how to compose an optimal group policy and perform task automation with powershell scripting as you advance you ll get to grips with faster app innovation improved windows security measures and hybrid cloud environments after you ve explored the functions available to provide remote network access to your users you ll cover the new hyper v enhancements finally this windows server book will guide you through practical recipes relating to azure integration and important tips for how to manage a windows server environment seamlessly by the end of this book you ll be well versed with windows server 2019 essentials and have the skills you need to configure windows services and implement best practices for securing a windows server environment what you will learnget up and running with windows server 2019 s new featuresinstall configure and administer windows server 2019 effectivelyconfigure the server to host any enterprise applicationdiscover ways to manage a server without a guisafeguard your virtual machines in the event of server failureexplore new ways to integrate windows server with microsoft azuredeploy windows containers using dockerwho this book is for this windows server 2019 book is for system administrators and it professionals who have basic experience in windows environments and are interested in acquiring the skills and knowledge needed to manage and maintain the core infrastructure required for a windows server 2019 environment

learn how to implement key system administration tasks in linux key features configure and use linux network commands to analyze maintain and troubleshoot the network get familiar with the most commonly used advanced commands required for administrating the linux server explore new and trending services in the system administration domain description linux is the most popular operating system in the it industry due to its security and performance in this book you will get familiar with the most important and advanced concepts of linux server administration the book begins by showing you how to install a linux distribution and the different possibilities available depending on the end usage of it after installation the book shows how to manage your system administrate users and permissions and how to install new software and configure the services the book provides a review of the most common and useful cli commands and will provide knowledge on

how to manage files directories and processes it explains how to install and administer advanced services like databases and file sharing the book will then guide you through new technologies related to automation containers and continuous integration delivery pipelines lastly it will help you explore concepts such as infrastructure as code and infrastructure as a service and the usage of linux on public and private clouds in detail with multiple examples by the end of the book you will be able to use different open source tools available on linux to perform tasks what you will learn learn how to install a linux distribution explore advanced network configuration in linux configure firewall and network security in the linux server learn how to automate your system administration tasks automate linux server deployments with terraform who this book is for this book is best suited for system administrators linux administrators it managers network engineers network administrators and security professionals table of contents 1 introduction to linux 2 linux installation 3 using the command line interface 4 user administration and software management 5 managing files directories and processes 6 monitoring system resources 7 network configuration 8 security 9 network services 10 file sharing 11 databases 12 automation 13 containers and ci cd 14 backup and restore 15 multi cloud management 16 infrastructure as a service

discover practical solutions for a wide range of real world network programming tasks about this book solve real world tasks in the area of network programming system networking administration network monitoring and more familiarize yourself with the fundamentals and functionalities of sdn improve your skills to become the next gen network engineer by learning the various facets of python programming who this book is for this book is for network engineers system network administrators network programmers and even web application developers who want to solve everyday network related problems if you are a novice you will develop an understanding of the concepts as you progress with this book what you will learn develop tcp ip networking client server applications administer local machines ipv4 ipv6 network interfaces write multi purpose efficient web clients for http and https protocols perform remote system administration tasks over telnet and ssh connections interact with popular websites via web services such as xml rpc soap and rest apis monitor and analyze major common network security vulnerabilities develop software defined networks with ryu opendaylight floodlight onos and pox controllers emulate simple and complex networks with mininet and its extensions for network and systems emulations learn to configure and build network systems and virtual network functions vnf in heterogeneous deployment environments explore various python modules to program the internet in detail python network programming cookbook second edition highlights the major aspects of network programming in python starting from writing simple networking clients to developing and deploying complex software defined networking sdn and network functions virtualization nfv systems it creates the building blocks for many practical web and networking applications that rely on various networking protocols it presents the power and beauty of python to solve numerous real world tasks in the area of network programming network and

system administration network monitoring and web application development in this edition you will also be introduced to network modelling to build your own cloud network you will learn about the concepts and fundamentals of sdn and then extend your network with mininet next you ll find recipes on authentication authorization and accounting aaa and open and proprietary sdn approaches and frameworks you will also learn to configure the linux foundation networking ecosystem and deploy and automate your networks with python in the cloud and the internet scale by the end of this book you will be able to analyze your network security vulnerabilities using advanced network packet capture and analysis techniques style and approach this book follows a practical approach and covers major aspects of network programming in python it provides hands on recipes combined with short and concise explanations on code snippets this book will serve as a supplementary material to develop hands on skills in any academic course on network programming this book further elaborates network softwarization including software defined networking sdn network functions virtualization nfv and orchestration we learn to configure and deploy enterprise network platforms develop applications on top of them with python

this book is the first scholarly volume to connect children s literature to the burgeoning discipline of food studies spanning genres and regions the essays utilize a variety of approaches including archival research cultural studies formalism gender studies post colonialism post structuralism race studies structuralism and theology

harness the power of sql server 2017 integration services to build your data integration solutions with ease about this book acquaint yourself with all the newly introduced features in sql server 2017 integration services program and extend your packages to enhance their functionality this detailed step by step guide covers everything you need to develop efficient data integration and data transformation solutions for your organization who this book is for this book is ideal for software engineers dw etl architects and etl developers who need to create a new or enhance an existing etl implementation with sql server 2017 integration services this book would also be good for individuals who develop etl solutions that use ssis and are keen to learn the new features and capabilities in ssis 2017 what you will learn understand the key components of an etl solution using sql server 2016 2017 integration services design the architecture of a modern etl solution have a good knowledge of the new capabilities and features added to integration services implement etl solutions using integration services for both on premises and azure data improve the performance and scalability of an etl solution enhance the etl solution using a custom framework be able to work on the etl solution with many other developers and have common design paradigms or techniques effectively use scripting to solve complex data issues in detail sql server integration services is a tool that facilitates data extraction consolidation and loading options etl sql server coding enhancements data warehousing and customizations with the help of the recipes in this book you ll gain complete hands on experience of ssis

2017 as well as the 2016 new features design and development improvements including scd tuning and customizations at the start you ll learn to install and set up ssis as well other sql server resources to make optimal use of this business intelligence tools we ll begin by taking you through the new features in ssis 2016 2017 and implementing the necessary features to get a modern scalable etl solution that fits the modern data warehouse through the course of chapters you will learn how to design and build ssis data warehouses packages using sql server data tools additionally you ll learn to develop ssis packages designed to maintain a data warehouse using the data flow and other control flow tasks you ll also be demonstrated many recipes on cleansing data and how to get the end result after applying different transformations some real world scenarios that you might face are also covered and how to handle various issues that you might face when designing your packages at the end of this book you ll get to know all the key concepts to perform data integration and transformation you ll have explored on premises big data integration processes to create a classic data warehouse and will know how to extend the toolbox with custom tasks and transforms style and approach this cookbook follows a problem solution approach and tackles all kinds of data integration scenarios by using the capabilities of sql server 2016 integration services this book is well supplemented with screenshots tips and tricks each recipe focuses on a particular task and is written in a very easy to follow manner

embrace the future of web api development with asp net core 9 from rest best practices to real time signalr and from hybridcache to net aspire deployment through hands on recipes and proven methodologies key features master the lifecycle of asp net core web apis by confidently building testing monitoring and securing your applications explore advanced topics like graphql signalr and microservices to create feature rich apis discover cloud deployment strategies to ensure your apis are ready for modern infrastructure purchase of the print or kindle book includes a free pdf ebook book description discover what makes asp net core 9 a powerful and versatile framework for building modern web apis that are both scalable and secure this comprehensive recipe based guide leverages the authors decade long experience in software development to equip developers with the knowledge to create robust web api solutions using the framework s most powerful features designed for intermediate to advanced net developers this cookbook contains hands on recipes that demonstrate how to efficiently build optimize and secure apis using this cutting edge technology you ll master essential topics such as creating restful apis implementing advanced data access strategies securing your apis creating custom middleware and enhancing your logging capabilities the book goes beyond traditional api development by introducing graphql signalr and grpc offering insights into how these technologies can extend the reach of your apis to prepare you for real world challenges the recipes cover testing methodologies cloud deployment legacy system integration and advanced concepts like microservices and hangfire by the end of this book you ll gain the expertise needed to build and manage enterprise grade web apis with asp net core 9 what you will learn implement hybridcache with stampede protection to replace distributed and in memory caches

perform unit integration and contract testing to ensure robustness and reliability optimize api performance using output and response caching with tag based invalidation design custom middleware for rate limiting centralized exception handling health checks and more streamline api troubleshooting using serilog s structured logging and seq s powerful log visualization for quick insights secure your apis with authentication authorization and https enforcement who this book is for this book is for intermediate to advanced net developers backend developers full stack engineers and devops professionals who want to master the art of building and securing apis with asp net core 9 if you re experienced in java or go and looking to transition into asp net core or if you re already familiar with c and net and want to enhance your api development skills this book is for you working knowledge of web apis and the net ecosystem is expected ensuring you can dive right into the practical recipes

dubois organizes his cookbook s recipes into sections on the problem the solution stated simply and the solution implemented in code and discussed the implementation and discussion sections are the most valuable as they contain the command sequences code listings and design explanations that can be transferred to outside projects

find out how you can leverage virtual machines and load balancers to facilitate secure and efficient networking key featuresdiscover the latest networking features and additions in microsoft azure with this updated guideupgrade your cloud networking skills by learning how to plan implement configure and secure your infrastructure networkprovide a fault tolerant environment for your apps using azure networking servicesbook description azure s networking services enable organizations to manage their networks effectively with the azure networking cookbook you ll see how azure paves the way for an enterprise to achieve reliable performance and secure connectivity this updated second edition will take you through the latest networking features in azure the book starts with an introduction to azure networking covering basics such as creating azure virtual networks designing address spaces and creating subnets you ll create and manage network security groups application security groups and ip addresses in azure using easy to follow recipes as you progress through the book you ll explore various aspects such as dns and routing load balancers traffic manager and site to site point to site and vnet to vnet connections this cookbook covers all the functions crucial to understanding cloud networking practices and being able to plan implement and secure your network infrastructure with azure you ll not only upscale your current environment but also get well versed with monitoring diagnosing and ensuring secure connectivity the book will help you grasp best practices as you learn how to create a robust environment by the end of this azure cookbook you ll have gained hands on experience developing cost effective solutions that can facilitate efficient connectivity in your organization what you will learnget to grips with building azure networking servicesunderstand how to create and work on hybrid

connectionsconfigure and manage azure networking servicesexplore ways to design high availability network solutions in azurediscover how to monitor and troubleshoot azure network resourceswork with different methods to connect local networks to azure virtual networkswho this book is for this cookbook is for cloud architects cloud solution providers and anyone who deals with networking on azure a basic understanding of azure will help you to make the most of this book

this cookbook is full of immediately useable recipes showing you how to develop service and message oriented integration applications on the oracle service bus in addition to its cookbook style which ensures the solutions are presented in a clear step by step manner the explanations go into great detail which makes it good learning material for everyone who has experience in osb and wants to improve most of the recipes are designed in such a way that each recipe is presented as a separate standalone entity and reading of prior recipes is not required the finished solution of each recipe is also made available electronically if you are an intermediate soa developer who is using oracle service bus to develop service and message orientated applications on the oracle service bus then this book is for you this book assumes that you have a working knowledge of fundamental soa concepts and oracle service bus

over 100 practical recipes that leverage custom scripts and integrated tools in kali linux to help you effectively master network scanning about this book learn the fundamentals behind commonly used scanning techniques deploy powerful scanning tools that are integrated into the kali linux testing platform the practical recipes will help you automate menial tasks and build your own script library who this book is for this book is for information security professionals and casual security enthusiasts alike it provides foundational principles if you re a novice but will also introduce scripting techniques and in depth analysis if you re more advanced whether you are brand new to kali linux or a seasoned veteran this book will help you both understand and ultimately master many of the most powerful and useful scanning techniques in the industry it is assumed that you have some basic security testing experience what you will learn develop a network testing environment to test scanning tools and techniques understand the principles of network scanning tools by building scripts and tools identify distinct vulnerabilities in web apps and remote services and learn how they are exploited perform comprehensive scans to identify listening on tcp and udp sockets get started with different kali desktop environments kde mate lxde and xfce use sparta for information gathering port scanning fingerprinting vulnerability scanning and more evaluate dos threats and learn how common dos attacks are performed learn how to use burp suite to evaluate web applications in detail with the ever increasing amount of data flowing in today s world information security has become vital to any application this is where kali linux comes in kali linux focuses mainly on security auditing and penetration testing this step by step cookbook on network scanning trains you in important scanning concepts based on version 2016 2 it will enable you to conquer any network

environment through a range of network scanning techniques and will also equip you to script your very own tools starting with the fundamentals of installing and managing kali linux this book will help you map your target with a wide range of network scanning tasks including discovery port scanning fingerprinting and more you will learn how to utilize the arsenal of tools available in kali linux to conquer any network environment the book offers expanded coverage of the popular burp suite and has new and updated scripts for automating scanning and target exploitation you will also be shown how to identify remote services how to assess security risks and how various attacks are performed you will cover the latest features of kali linux 2016.2 which includes the enhanced sparta tool and many other exciting updates this immersive guide will also encourage the creation of personally scripted tools and the skills required to create them style and approach this step by step guide is full of recipes that will help you use integrated scanning tools in kali linux and develop custom scripts to make new and unique tools of your own

using apache cordova mobile developers can write cross platform mobile apps using standard html5 javascript and css and then deploy those apps to every leading mobile platform with little or no re coding apache cordova api cookbook provides experienced mobile developers with details about how each cordova api works and how to use the apis in their own applications coverage is included for all cordova phonegap 3 apis instead of just showing short snippets of code to explain a particular api this guide is chock full of complete examples you ll find more than thirty complete cordova applications that work on android ios windows and more the sample applications demonstrate exactly what each api does and how it works while the chapter content describes the limitations on the leading target platforms and even offers possible workarounds through realistic cookbook example code mobile developer john wargo helps you master the cordova apis and understand how to use them in your cordova applications topics include accelerometers compass and geolocation image video and audio capture playback and management determining connection and device information interacting with the contacts application responding to application events accessing the device file system globalizing apps using the inappbrowser notifications custom splash screens special care has been taken to make the code easily readable and digestible by the reader this guide provides the most accessible coverage anywhere of apache cordova apis

deploy your data ingestion pipeline orchestrate and monitor efficiently to prevent loss of data and quality key features harness best practices to create a python and pyspark data ingestion pipeline seamlessly automate and orchestrate your data pipelines using apache airflow build a monitoring framework by integrating the concept of data observability into your pipelines book description data ingestion with python cookbook offers a practical approach to designing and implementing data ingestion pipelines it presents real world examples with the most widely recognized open source tools on the market to answer commonly asked questions and overcome challenges you ll be introduced to

designing and working with or without data schemas as well as creating monitored pipelines with airflow and data observability principles all while following industry best practices the book also addresses challenges associated with reading different data sources and data formats as you progress through the book you ll gain a broader understanding of error logging best practices troubleshooting techniques data orchestration monitoring and storing logs for further consultation by the end of the book you ll have a fully automated set that enables you to start ingesting and monitoring your data pipeline effortlessly facilitating seamless integration with subsequent stages of the etl process what you will learn implement data observability using monitoring tools automate your data ingestion pipeline read analytical and partitioned data whether schema or non schema based debug and prevent data loss through efficient data monitoring and logging establish data access policies using a data governance framework construct a data orchestration framework to improve data quality who this book is for this book is for data engineers and data enthusiasts seeking a comprehensive understanding of the data ingestion process using popular tools in the open source community for more advanced learners this book takes on the theoretical pillars of data governance while providing practical examples of real world scenarios commonly encountered by data engineers

recipes from the experienced chefs in the food network kitchens share the cooking secrets and techniques that have helped make celebrity chefs famous

if you re a php developer looking for proven solutions to common problems this cookbook provides code recipes to help you resolve numerous scenarios by leveraging modern versions of php through version 8 1 these self contained recipes provide fully realized solutions that can help you solve similar problems in your day to day work whether you re new to development or merely new to php these recipes will help you unpack the most powerful features of this programming language author eric mann a regular contributor to php architect magazine frequently makes presentations on software architecture and has built scalable projects for startups and fortune 500 companies alike learn the type system of modern php build efficient applications composed of functions and objects understand key concepts such as encryption error handling debugging and performance tuning explore the php package extension ecosystem learn how to build basic web and basic command line applications work securely with files on a machine both encrypted and in plain text

this ibm redbooks publication captures several of the preferred practices and describes the performance gains that can be achieved by implementing the ibm system storage san volume controller and ibm storwize v7000 powered by ibm spectrum virtualizetm v8 2 1 these practices are based on field experience this book highlights configuration guidelines and preferred practices for the storage area network san

topology clustered system back end storage storage pools and managed disks volumes remote copy services and hosts then it provides performance guidelines for san volume controller back end storage and applications it explains how you can optimize disk performance with the ibm system storage easy tier function it also provides preferred practices for monitoring maintaining and troubleshooting san volume controller and storwize v7000 this book is intended for experienced storage san and san volume controller administrators and technicians understanding his book requires advanced knowledge of the san volume controller and storwize v7000 and san environments important on 11th february 2020 ibm announced the arrival of san volume controller sa2 and sv2 and ibm flashsystem 7200 to the family this book was written specifically for prior versions of svc and storwize v7000 however most of the general principles will apply if you are in any doubt as to their applicability then you should work with your local ibm representative this book will be updated to comprehensively include san volume controller sa2 and sv2 and flashsystem 7200 in due course

explore the rust standard library and compose algorithms with minimal dependency on external libraries key features develop high quality fast and portable applications by leveraging the power of rust s standard library practical recipes that will help you work with the standard library to boost your productivity as a rust developer learn about most relevant external crates to be used along with the standard library book description mozilla s rust is gaining much attention with amazing features and a powerful library this book will take you through varied recipes to teach you how to leverage the standard library to implement efficient solutions the book begins with a brief look at the basic modules of the standard library and collections from here the recipes will cover packages that support file directory handling and interaction through parsing you will learn about packages related to advanced data structures error handling and networking you will also learn to work with futures and experimental nightly features the book also covers the most relevant external crates in rust by the end of the book you will be proficient at using the rust standard library what you will learn how to use the basic modules of the library strings command line access and more implement collections and folding of collections using vectors deque linked lists and more handle various file types compressing and decompressing data search for files with glob patterns implement parsing through various formats such as csv toml and json utilize drop trait the rust version of destructor resource locking with bilocks who this book is for this book is for developers who would like to explore the power of rust and learn to use the stl for various functionalities a basic rust programming knowledge is assumed

discover recipes for implementing solutions to real world business problems through serverless applications key features test troubleshoot and monitor azure functions to deliver high quality and reliable cloud centric applications understand visual studio s integrated developer experience for azure functions explore best practices for organizing and refactoring code within the azure functions book description this third

edition of azure serverless computing cookbook guides you through the development of a basic back end web api that performs simple operations helping you understand how to persist data in azure storage services you ll cover the integration of azure functions with other cloud services such as notifications sendgrid and twilio cognitive services computer vision and logic apps to build simple workflow based applications with the help of this book you ll be able to leverage visual studio tools to develop build test and deploy azure functions quickly it also covers a variety of tools and methods for testing the functionality of azure functions locally in the developer s workstation and in the cloud environment once you re familiar with the core features you ll explore advanced concepts such as durable functions starting with a hello world example and learn about the scalable bulk upload use case which uses durable function patterns function chaining and fan out fan in by the end of this azure book you ll have gained the knowledge and practical experience needed to be able to create and deploy azure applications on serverless architectures efficiently what you will learnimplement continuous integration and continuous deployment ci cd of azure functionsdevelop different event based handlers in a serverless architectureintegrate azure functions with different azure services to develop enterprise level applicationsaccelerate your cloud application development using azure function triggers and bindingsautomate mundane tasks at various levels from development to deployment and maintenancedevelop stateful serverless applications and self healing jobs using durable functions who this book is for if you are a cloud developer or architect who wants to build cloud native systems and deploy serverless applications with azure functions this book is for you prior experience with microsoft azure core services will help you to make the most out of this book

nginx is one of the most widely used web servers available today in part because of itscapabilities as a load balancer and reverse proxy server for http and other network protocols this revised cookbook provides easy to follow examples of real world problems in application delivery practical recipes help you set up and use either the open source or commercial offering to solve problems in various use cases for professionals who understand modern web architectures such as n tier or microservice designs and common web protocols such as tcp and http these recipes provide proven solutions for security and software load balancing and for monitoring and maintaining nginx s application delivery platform you ll also explore advanced features of both nginx and nginx plus the free and licensed versions of this server you ll find recipes for high performance load balancing with http tcp and udp securing access through encrypted traffic secure links http authentication subrequests and more deploying nginx to google aws and azure cloud setting up and configuring nginx controller installing and configuring the nginx app protect module enabling waf through controller adc nginx instance manager service mesh and the njs module

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such as monitoring roles validating backups regular maintenance and recovery of your postgresql 14 database this will help you understand roles ensuring high availability concurrency and replication along with updated recipes this book touches upon important areas like using generated columns toast compression postgresql on the cloud and much more by the end of this postgresql book you ll have gained the knowledge you need to manage your postgresql 14 database efficiently both in the cloud and on premise what you will learn plan manage and maintain postgresql databases in production work with the newly introduced features of postgresql 14 use pgadmin or omnidb to perform database administrator dba tasks use psql to write accurate and repeatable scripts understand how to tackle real world data issues with the help of examples select and implement robust backup and recovery techniques in postgresql 14 deploy best practices for planning and designing live databases who this book is for this postgres 14 book is for database administrators data architects database developers and anyone with an interest in planning and running live production databases using postgresql 14 those looking for hands on solutions to any problem associated with postgresql 14 administration will also find this book useful some experience with handling postgresql databases will help you to make the most out of this book however it is a useful resource even if you are just beginning your postgres journey

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political and public stories about class and food rarely scrutinize how socio economic and cultural resources enable access to certain foods tracing the symbolic links between everyday eating at home and broader social frameworks this book examines how classed relations play out in middle class homes to show why class is relevant to all understandings of food in great britain the author illuminates how good food and the identities configured through its consumption is associated with middle class lifestyles and why this relationship is often unquestioned and thus saliently normalized considering food consumption in a wider social context the book offers an alternative understanding of class relations which extends academic political and public debates about privilege

this text serves as a cookbook for neural network solutions to practical problems using c it will enable those with moderate programming experience to select a neural network model appropriate to solving a particular problem and to produce a working program implementing that network the book provides guidance along the entire problem solving path including designing the training set preprocessing variables training and validating the network and evaluating its performance though the book is not intended as a general course in neural networks no background in neural works is assumed and all models are presented from the ground up the principle focus of the book is the three layer feedforward network for more than a decade as the workhorse of professional arsenals other network models with strong performance records are also included bound in the book is an ibm diskette that includes the source code for all programs in the book much of this code can be easily adapted to c compilers in addition the operation of all programs is thoroughly discussed both in the text and in the comments within the code to facilitate translation to other languages

master over 80 incredibly effective recipes to manage the day to day complications in your infrastructure about this book immediately apply devops techniques and methods then combine them with powerful chef tools to manage and automate your infrastructure address the growing challenges of code management cloud and virtualization with chef quickly explore and implement the important aspects of chef automate using this recipe based guide who this book is for this book is for system engineers and administrators who have a fundamental understanding of information management systems and infrastructure it is also for devops engineers it professionals and organizations who want to automate and gain greater control of their infrastructures with chef no experience with chef is needed but may help what you will learn test your cookbooks with test kitchen manage cookbook dependencies with berkshelf use reporting to keep track of what happens during the execution of chef client runs across all of the machines create custom ohai and knife plugins build a high availability service using heartbeat use a haproxy to load balance multiple web servers in detail chef is a configuration management tool that lets you automate your more cumbersome it infrastructure processes and control a large network of computers and virtual machines from one master server this book will help you solve everyday problems with your it infrastructure with chef it will start with recipes that show you how to effectively manage your infrastructure and solve problems with users applications and automation you will then come across a new testing framework inspec to test any node in your infrastructure further on you will learn to customize plugins and write cross platform cookbooks depending on the platform you will also install packages from a third party repository and learn how to manage users and applications toward the end you will build high availability services and explore what habitat is and how you can implement it style and approach this book follows a recipe based approach and covers all the important topics you need to know if you don t want to dig through a whole book before you get started this book is for you as it features a set of independent recipes you can try out immediately

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32 oz in Litres: A Simple Guide to Unit Conversion

Understanding different units of measurement can be tricky, especially when dealing with volume. This article will demystify the conversion between fluid ounces (oz), a common unit in the United States and other countries, and litres (L), the standard unit of volume in most of the world. Specifically, we'll explore how many litres are in 32 fluid ounces and provide you with the tools to perform similar conversions yourself.

Understanding Fluid Ounces and Litres

Before diving into the conversion, it's important to understand the units involved. A fluid ounce (fl oz) is a unit of volume in the imperial and US customary systems. There are slight differences between the US fluid ounce and the imperial fluid ounce, but for our purposes, we'll use the US fluid ounce. A litre (L), on the other hand, is the metric unit of volume. One litre is slightly larger than one US quart.

The Conversion Factor: From Ounces to Litres

The key to converting between fluid ounces and litres is the conversion factor. There are approximately 33.814 fluid ounces in one litre. This means that one fluid ounce is roughly equal to 0.02957 litres. To convert 32 fluid ounces to litres, we use this conversion factor as follows: $32 \text{ fl oz} \times (1 \text{ L} / 33.814 \text{ fl oz}) \approx 0.946 \text{ L}$. Therefore, 32 fluid ounces are approximately equal to 0.946 litres. Remember, this is an approximation due to rounding. More precise calculations might yield a slightly different result, but this level of accuracy is sufficient for most everyday applications.

Practical Examples: Applying the Conversion

Let's look at some real-world examples to illustrate the conversion: Example 1: Soda Bottle: A 32-ounce soda bottle contains approximately 0.946 litres of soda. Example 2: Water Consumption: If you drink 32 fluid ounces of water a day, you are consuming roughly 0.946 litres of water. Example 3: Recipe Conversion: If a recipe calls for 32 fluid ounces of milk, you can substitute it with approximately 0.946 litres of milk. These examples demonstrate how knowing this conversion can be useful in various daily situations, from understanding the volume of beverages to adjusting recipes using metric measurements.

Beyond 32 oz: A General Approach to Conversion

While this article focuses on 32 fluid ounces, the same principle applies to converting any number of fluid ounces to litres. Simply multiply the number of fluid ounces by the conversion factor ($1 \text{ L} / 33.814 \text{ fl oz}$). Conversely, to convert litres to fluid ounces, multiply the number of litres by 33.814 fl oz/L . For example, to convert 64 fluid ounces to litres: $64 \text{ fl oz} (1 \text{ L} / 33.814 \text{ fl oz}) \approx 1.892 \text{ L}$. And to convert 1 litre to fluid ounces: $1 \text{ L} (33.814 \text{ fl oz} / 1 \text{ L}) \approx 33.814 \text{ fl oz}$.

Actionable Takeaways and Key Insights

The conversion factor from fluid ounces to litres is approximately $1 \text{ L} / 33.814 \text{ fl oz}$. To convert fluid ounces to litres, multiply the number of fluid ounces by this factor. This conversion is crucial for navigating recipes, understanding product volumes, and working with various measurement systems. Mastering this conversion enhances your understanding of units and facilitates easier transitions between imperial and metric systems. Remember that rounding might lead to slight discrepancies in the results.

Frequently Asked Questions (FAQs)

1. Is there a significant difference between US fluid ounces and imperial fluid ounces? Yes, there is a small difference. However, the discrepancy is usually negligible for everyday purposes. The conversion we used here is based on the US fluid ounce. 2. Can I use a calculator for the conversion? Absolutely! Using a calculator will provide more precise results and save time, especially for larger conversions. 3. Are there online converters available? Yes, many websites offer free online converters for various units, including fluid ounces to litres. These can be very convenient. 4. Why is it important to learn this conversion? Understanding unit conversions is crucial for global communication and collaboration, especially in fields like cooking, science, and engineering. 5. What if I need a very precise conversion? For extremely precise measurements, using more decimal places in the conversion factor (1 L / 33.8140227 fl oz) will yield a more accurate result. This is usually only necessary in scientific applications.

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