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# Postgresql Replication Guide

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PostgreSQL Server Programming - Second Edition  
Mastering PostgreSQL 11  
PostgreSQL High Availability Cookbook - Second Edition  
Learn PostgreSQL  
PostgreSQL 11 Server Side Programming Quick Start Guide  
PostgreSQL: Up and Running  
Java Pocket Guide  
PostgreSQL Developer's Guide  
PostgreSQL: Up and Running  
PostgreSQL High Availability Cookbook  
PostgreSQL 11 Administration Cookbook  
AWS Certified Database Study Guide  
Advanced MySQL 8  
PostgreSQL for Data Architects  
Google Cloud Platform an Architect's Guide  
The Manga Guide to Databases  
PostgreSQL 10 Administration Cookbook  
PostgreSQL Replication  
PostgreSQL  
Mastering PostgreSQL 13  
PostgreSQL Administration Essentials  
A Guide to SQL Server 2000 Transactional and Snapshot Replication  
PostgreSQL Replication - Second Edition  
PostgreSQL 9.0 Official Documentation - Volume I. the SQL Language  
Mastering PostgreSQL 9.6  
PostgreSQL High Performance Cookbook

Instant PostgreSQL Backup and Restore How-to  
PostgreSQL 14 Administration Cookbook  
Troubleshooting PostgreSQL  
PostgreSQL 10 High Performance  
PostgreSQL 15 Cookbook  
MySQL Troubleshooting  
Mastering PostgreSQL 12  
PostgreSQL 12 High Availability Cookbook  
Learning PostgreSQL  
Mastering PostgreSQL 10  
Practical PostgreSQL  
PostgreSQL Configuration  
PostgreSQL 13 Cookbook  
PostgreSQL Developer's Handbook

*Postgresql Replication Guide*

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**LIN COLLINS**

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**PostgreSQL Server Programming - Second Edition** Packt  
Publishing Ltd

A practical guide to administer, monitor and replicate your PostgreSQL 10 database. Key Features: Get to grips with the capabilities of PostgreSQL 10 to administer your database more efficiently. Monitor, tune, secure and protect your database for optimal performance. A step-by-step, recipe-based guide to help you tackle any problem in PostgreSQL 10 administration with ease. Book Description: PostgreSQL is a powerful, open source database management system with an enviable reputation for

high performance and stability. With many new features in its arsenal, PostgreSQL 10 allows users to scale up their PostgreSQL infrastructure. This book takes a step-by-step, recipe-based approach to effective PostgreSQL administration. Throughout this book, you will be introduced to these new features such as logical replication, native table partitioning, additional query parallelism, and much more. You will learn how to tackle a variety of problems that are basically the pain points for any database administrator - from creating tables to managing views, from improving performance to securing your database. More importantly, the book pays special attention to topics such as monitoring roles, backup, and recovery of your PostgreSQL 10 database, ensuring high availability, concurrency, and replication. By the end of this book, you will know everything you need to

know to be the go-to PostgreSQL expert in your organization. What you will learn Get to grips with the newly released PostgreSQL 10 features to improve database performance and reliability Manage open source PostgreSQL versions 10 on various platforms. Explore best practices for planning and designing live databases Select and implement robust backup and recovery techniques in PostgreSQL 10 Explore concise and clear guidance on replication and high availability Discover advanced technical tips for experienced users Who this book is for This book is for database administrators, data architects, developers, or anyone with an interest in planning for, or running, live production databases using PostgreSQL. It is most suited to those looking for hands-on solutions to any problem associated with PostgreSQL administration.

#### **Mastering PostgreSQL 11** Alasdair Gilchrist

"PostgreSQL Developer's Handbook" provides a complete overview of the PostgreSQL database server and extensive coverage of its core features, including object orientation, PL/SQL, and the most important programming interfaces. The authors introduce the reader to the language and syntax of PostgreSQL and then move quickly into sophisticated programming topics. *PostgreSQL High Availability Cookbook - Second Edition* Packt Publishing Ltd

If you are a database administrator who needs to get to grips with PostgreSQL quickly and efficiently, then this book is for you. This book will also be highly beneficial if you are a project leader or a developer who is interested in knowing more about database systems or bottleneck detection, as it will enable you to work more closely and cooperatively with your administrators.

#### **Learn PostgreSQL** Packt Publishing Ltd

PostgreSQL offers a comprehensive set of replication related features. Unleashing the power of PostgreSQL provides you with countless opportunities and a competitive advantage over other database systems. This book will guide you through the most important concepts of PostgreSQL replication. It contains all the information you need to design and operate replicated setups. Beginning by giving you an understanding of replication concepts, the PostgreSQL transaction log, and Point-in-time Recovery, we gradually move on to setting up asynchronous and synchronous replication. Next up, you will learn to monitor a PostgreSQL cluster setup, deal with monitoring tools, and then move on to understanding Linux High Availability. Further, we explore widely-used tools such as Slony, SkyTools, Postgres-XC, and walbouncer, and set up PL/Proxy. Finally, you'll get acquainted with the new technology of BDR, which allows bidirectional replication in PostgreSQL.

*PostgreSQL 11 Server Side Programming Quick Start Guide* Packt Publishing Ltd

A comprehensive guide to building, managing, and securing scalable and reliable database and data warehousing applications using Postgres 12 and 13 Key Features Set up your database cluster and monitor, secure, and fine-tune it for optimal performance Learn the fundamentals of database management and implement client- and server-side programming using SQL and PL/pgSQL Explore useful tips to develop efficient PostgreSQL database solutions from scratch Book Description PostgreSQL is one of the fastest-growing open source object-relational database management systems (DBMS) in the world. As well as being easy

to use, it's scalable and highly efficient. In this book, you'll explore PostgreSQL 12 and 13 and learn how to build database solutions using it. Complete with hands-on tutorials, this guide will teach you how to achieve the right database design required for a reliable environment. You'll learn how to install and configure a PostgreSQL server and even manage users and connections. The book then progresses to key concepts of relational databases, before taking you through the Data Definition Language (DDL) and commonly used DDL commands. To build on your skills, you'll understand how to interact with the live cluster, create database objects, and use tools to connect to the live cluster. You'll then get to grips with creating tables, building indexes, and designing your database schema. Later, you'll explore the Data Manipulation Language (DML) and server-side programming capabilities of PostgreSQL using PL/pgSQL, before learning how to monitor, test, and troubleshoot your database application to ensure high-performance and reliability. By the end of this book, you'll be well-versed with the Postgres database and be able to set up your own PostgreSQL instance and use it to build robust solutions. What you will learn

Understand how users and connections are managed by running a PostgreSQL instance  
 Interact with transaction boundaries using server-side programming  
 Identify bottlenecks to maintain your database efficiently  
 Create and manage extensions to add new functionalities to your cluster  
 Choose the best index type for each situation  
 Use online tools to set up a memory configuration that will suit most databases  
 Explore how Postgres can be used in multi-instance environments to provide high-availability, redundancy, and scalability  
 Who this book is for This

Postgres book is for anyone interested in learning about the PostgreSQL database from scratch. Anyone looking to build robust data warehousing applications and scale the database for high-availability and performance using the latest features of PostgreSQL will also find this book useful. Although prior knowledge of PostgreSQL is not required, familiarity with databases is expected.

**PostgreSQL: Up and Running** "O'Reilly Media, Inc."

Design cost-efficient database solutions, scale enterprise operations and reduce overhead business costs with MySQL Key Features  
 Explore the new and advanced features of MySQL 8.0  
 Use advanced techniques to optimize MySQL performance  
 Create MySQL-based applications for your enterprise with the help of practical examples  
 Book Description Advanced MySQL 8 teaches you to enhance your existing database infrastructure and build various tools to improve your enterprise applications and overall website performance. The book starts with the new and exciting MySQL 8.0 features and how to utilize them for maximum efficiency. As you make your way through the chapters, you will learn to optimize MySQL performance using indexes and advanced data query techniques for large queries. You will also discover MySQL Server 8.0 settings and work with the MySQL data dictionary to boost the performance of your database. In the concluding chapters, you will cover MySQL 8.0 Group Replication, which will enable you to create elastic, highly available, and fault-tolerant replication topologies. You will also explore backup and recovery techniques for your databases and understand important tips and tricks to help your critical data reach its full potential. By the end of this book, you'll have learned about new

MySQL 8.0 security features that allow a database administrator (DBA) to simplify user management and increase the security of their multi-user environments. What you will learn

- Explore new and exciting features of MySQL 8.0
- Analyze and optimize large MySQL queries
- Understand MySQL Server 8.0 settings
- Master the deployment of Group Replication and use it in an InnoDB cluster
- Monitor large distributed databases
- Discover different types of backups and recovery methods for your databases
- Explore tips to help your critical data reach its full potential

Who this book is for: Advanced MySQL 8 is for database administrators, data architects, and database developers who want to dive deeper into building advanced database applications in the MySQL environment.

#### **Java Pocket Guide** Packt Publishing Ltd

Master the capabilities of PostgreSQL 11 to efficiently manage and maintain your database

- Key Features
- Master advanced concepts of PostgreSQL 11 with real-world datasets and examples
- Explore query parallelism, data replication, and database performance while working with larger datasets
- Extend the functionalities of your PostgreSQL instance to suit your organization's needs with minimal effort

**Book Description** This second edition of *Mastering PostgreSQL 11* helps you build dynamic database solutions for enterprise applications using the latest release of PostgreSQL, which enables database analysts to design both the physical and technical aspects of the system architecture with ease. This book begins with an introduction to the newly released features in PostgreSQL 11 to help you build efficient and fault-tolerant PostgreSQL applications. You'll examine all of the advanced aspects of PostgreSQL in detail,

including logical replication, database clusters, performance tuning, monitoring, and user management. You will also work with the PostgreSQL optimizer, configuring PostgreSQL for high speed, and see how to move from Oracle to PostgreSQL. As you progress through the chapters, you will cover transactions, locking, indexes, and optimizing queries to improve performance. Additionally, you'll learn to manage network security and explore backups and replications, while understanding the useful extensions of PostgreSQL so that you can optimize the speed and performance of large databases. By the end of this book, you will be able to use your database to its utmost capacity by implementing advanced administrative tasks with ease. What you will learn

- Get to grips with advanced PostgreSQL 11 features and SQL functions
- Make use of the indexing features in PostgreSQL and fine-tune the performance of your queries
- Work with stored procedures and manage backup and recovery
- Master replication and failover techniques
- Troubleshoot your PostgreSQL instance for solutions to common and not-so-common problems
- Perform database migration from MySQL and Oracle to PostgreSQL with ease

Who this book is for: This book is for data and database professionals wanting to implement advanced functionalities and master complex administrative tasks with PostgreSQL 11. Prior experience of database administration with PostgreSQL database will aid in understanding the concepts covered in this book.

#### PostgreSQL Developer's Guide Packt Publishing Ltd

Explore expert techniques such as advanced indexing and high availability to build scalable, reliable, and fault-tolerant database applications using PostgreSQL 13

- Key Features
- Master advanced PostgreSQL 13 concepts with the help of real-world datasets and

examplesLeverage PostgreSQL's indexing features to fine-tune the performance of your queriesExtend PostgreSQL's functionalities to suit your organization's needs with minimal effortBook Description Thanks to its reliability, robustness, and high performance, PostgreSQL has become one of the most advanced open source databases on the market. This updated fourth edition will help you understand PostgreSQL administration and how to build dynamic database solutions for enterprise apps with the latest release of PostgreSQL, including designing both physical and technical aspects of the system architecture with ease. Starting with an introduction to the new features in PostgreSQL 13, this book will guide you in building efficient and fault-tolerant PostgreSQL apps. You'll explore advanced PostgreSQL features, such as logical replication, database clusters, performance tuning, advanced indexing, monitoring, and user management, to manage and maintain your database. You'll then work with the PostgreSQL optimizer, configure PostgreSQL for high speed, and move from Oracle to PostgreSQL. The book also covers transactions, locking, and indexes, and shows you how to improve performance with query optimization. You'll also focus on how to manage network security and work with backups and replication while exploring useful PostgreSQL extensions that optimize the performance of large databases. By the end of this PostgreSQL book, you'll be able to get the most out of your database by executing advanced administrative tasks. What you will learnGet well versed with advanced SQL functions in PostgreSQL 13Get to grips with administrative tasks such as log file management and monitoringWork with stored procedures and manage backup and recoveryEmploy replication

and failover techniques to reduce data lossPerform database migration from Oracle to PostgreSQL with easeReplicate PostgreSQL database systems to create backups and scale your databaseManage and improve server security to protect your dataTroubleshoot your PostgreSQL instance to find solutions to common and not-so-common problemsWho this book is for This database administration book is for PostgreSQL developers and database administrators and professionals who want to implement advanced functionalities and master complex administrative tasks with PostgreSQL 13. Prior experience in PostgreSQL and familiarity with the basics of database administration will assist with understanding key concepts covered in the book.

*PostgreSQL: Up and Running* "O'Reilly Media, Inc."

This book is part of the PostgreSQL 9.0 documentation collection (up-to-date & full), published by Fultus Corporation. PostgreSQL 9.0 includes built-in, binary replication, and over a dozen other major features which will appeal to everyone from web developers to database hackers.

**PostgreSQL High Availability Cookbook** No Starch Press

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This hands-on guide provides a quick and easy way to back up and restore your database using PostgreSQL.Written for database administrators who want to create backups of their critical enterprise data and efficiently restore it using PostgreSQL.

*PostgreSQL 11 Administration Cookbook* "O'Reilly Media, Inc."

Master the capabilities of PostgreSQL 9.6 to efficiently manage and maintain your database About This Book Your one-stop guide

to mastering the advanced concepts in PostgreSQL with ease Master query optimization, replication, and high availability with PostgreSQL Extend the functionalities of PostgreSQL to suit your organizational needs with minimum effort Who This Book Is For If you are a PostgreSQL data architect or an administrator who wants to understand how to implement advanced functionalities and master complex administrative tasks with PostgreSQL, then this book is perfect for you. Prior experience of administrating a PostgreSQL database and a working knowledge of SQL is required to make the best use of this book. What You Will Learn Get to grips with the advanced features of PostgreSQL 9.6 and handle advanced SQL Make use of the indexing features in PostgreSQL and fine-tune the performance of your queries Work with the stored procedures and manage backup and recovery Master the replication and failover techniques Troubleshoot your PostgreSQL instance for solutions to the common and not-so-common problems Learn how to migrate your database from MySQL and Oracle to PostgreSQL without any hassle In Detail PostgreSQL is an open source database used for handling large datasets (Big Data) and as a JSON document database. It also has applications in the software and web domains. This book will enable you to build better PostgreSQL applications and administer databases more efficiently. We begin by explaining the advanced database design concepts in PostgreSQL 9.6, along with indexing and query optimization. You will also see how to work with event triggers and perform concurrent transactions and table partitioning, along with exploring SQL and server tuning. We will walk you through implementing advanced administrative tasks such as server maintenance and monitoring, replication, recovery

and high availability, and much more. You will understand the common and not-so-common troubleshooting problems and how you can overcome them. By the end of this book, you will have an expert-level command of the advanced database functionalities and will be able to implement advanced administrative tasks with PostgreSQL. Style and Approach This book is a comprehensive guide covering all the concepts you need to master PostgreSQL. Packed with hands-on examples, tips and tricks, even the most advanced concepts are explained in a very easy-to-follow manner. Every chapter in the book does not only focus on how each task is performed, but also why.

[AWS Certified Database Study Guide](#) Sams Publishing

Master the capabilities of PostgreSQL 10 to efficiently manage and maintain your database Key Features Your one-stop guide to mastering advanced concepts in PostgreSQL 10 with ease Master query optimization, replication, and high availability with PostgreSQL Extend the functionalities of your PostgreSQL instance to suit your organizational needs with minimal effort Book Description PostgreSQL is an open source database used for handling large datasets (big data) and as a JSON document database. This book highlights the newly introduced features in PostgreSQL 10, and shows you how you can build better PostgreSQL applications, and administer your PostgreSQL database more efficiently. We begin by explaining advanced database design concepts in PostgreSQL 10, along with indexing and query optimization. You will also see how to work with event triggers and perform concurrent transactions and table partitioning, along with exploring SQL and server tuning. We will walk you through implementing advanced administrative tasks



such as server maintenance and monitoring, replication, recovery, high availability, and much more. You will understand common and not-so-common troubleshooting problems and how you can overcome them. By the end of this book, you will have an expert-level command of advanced database functionalities and will be able to implement advanced administrative tasks with PostgreSQL 10. What you will learn Get to grips with the advanced features of PostgreSQL 10 and handle advanced SQL Make use of the indexing features in PostgreSQL and fine-tune the performance of your queries Work with stored procedures and manage backup and recovery Master replication and failover techniques Troubleshoot your PostgreSQL instance for solutions to common and not-so-common problems Learn how to migrate your database from MySQL and Oracle to PostgreSQL without any hassle Who this book is for If you are a PostgreSQL data architect or an administrator and want to understand how to implement advanced functionalities and master complex administrative tasks with PostgreSQL 10, then this book is perfect for you. Prior experience of administrating a PostgreSQL database and a working knowledge of SQL are required to make the best use of this book.

*Advanced MySQL 8* Packt Publishing Ltd

Validate your AWS Cloud database skills! AWS Certified Database Study Guide: Specialty (DBS-C01) Exam focuses on helping you to understand the basic job role of a database administrator / architect and to prepare for taking the certification exam. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS Cloud, and performing a database-focused role. AWS is the frontrunner in

cloud computing products and services, and this study guide will help you to gain an understanding of core AWS services, uses, and basic AWS database design and deployment best practices. AWS offers more than relational and nonrelation databases, they offer purpose built databases, which allow you to utilize database services prebuilt to meet your business requirements. If you are looking to take the Specialty (DBS-C01) exam, this Study Guide is what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career. AWS Certified Database certification offers a great way for IT professionals to achieve industry recognition as cloud experts. This new study guide is perfect for you if you perform a database-focused role and want to pass the DBS-C01 exam to prove your knowledge of how to design and deploy secure and robust database applications on AWS technologies. IT cloud professionals who hold AWS certifications are in great demand, and this certification could take your career to the next level! Master all the key concepts you need to pass the AWS Certified Database Specialty (DBS-C01) Exam Further your career by demonstrating your cloud computing expertise and your knowledge of databases and database services Understand the concept of purpose built databases, allowing you to pick the right tool for the right job. Review deployment and migration, management and operations, monitoring and troubleshooting, database security, and more Access the Sybex online learning environment and test bank for interactive study aids and practice questions Readers will also get one year of FREE access after activation to Sybex's superior online interactive learning environment and test bank, including hundreds of questions, a



practice exam, electronic flashcards, and a glossary of key terms.

PostgreSQL for Data Architects Packt Publishing Ltd

Administer, monitor, and replicate your PostgreSQL 14 database for efficient database management and maintenance

Key Features

Troubleshoot and tackle any administration and management problems in PostgreSQL 14

Find expert techniques for monitoring, fine-tuning, and securing your database

Adopt efficient replication for high availability with PostgreSQL 14

Book Description

PostgreSQL is a powerful, open-source database management system with an enviable reputation for high performance and stability. With many new features in its arsenal, PostgreSQL 14 allows you to scale up your PostgreSQL infrastructure. With this book, you'll take a step-by-step, recipe-based approach to effective PostgreSQL administration. This book will get you up and running with all the latest features of PostgreSQL 14 while helping you explore the entire database ecosystem. You'll learn how to tackle a variety of problems and pain points you may face as a database administrator such as creating tables, managing views, improving performance, and securing your database. As you make progress, the book will draw attention to important topics 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.

*Google Cloud Platform an Architect's Guide* Packt Publishing Ltd

If you're a PostgreSQL database administrator looking for a comprehensive guide to managing your databases, look no further than the PostgreSQL 15 Cookbook. With 100 ready solutions to common database management challenges, this book provides a complete guide to administering and troubleshooting your databases using latest PostgreSQL 15. Starting with cloud provisioning and migration, the book covers all aspects of database administration, including replication, transaction logs, partitioning, sharding, auditing, realtime monitoring, backup, recovery, and error debugging. Each solution is presented in a clear, easy-to-follow format, using a real

database called 'adventureworks' to provide an on-job practicing experience. Throughout the book, you'll learn how to use tools like pglogical, pgloader, WAL, repmgr, Patroni, HAProxy, PgBouncer, pgBackRest, pgAudit and Prometheus, gaining valuable experience and expertise in managing your databases. With its focus on practical solutions and real-world scenarios, the PostgreSQL 15 Cookbook is an essential resource for any PostgreSQL database administrator. Whether you're just starting out or you're a seasoned pro, this book has everything you need to keep your databases running smoothly and efficiently. Key Learnings Streamline your PostgreSQL databases with cloud provisioning and migration techniques Optimize performance and scalability through effective replication, partitioning, and sharding Safeguard your databases with robust auditing, backup, and recovery strategies Monitor your databases in real-time with powerful tools like pgAudit, Prometheus, and Patroni Troubleshoot errors and debug your databases with expert techniques and best practices Boost your productivity and efficiency with advanced tools like pglogical, pgloader, and HAProxy. Table of Content Getting PostgreSQL 15 Ready Performing Basic PostgreSQL Operations PostgreSQL Cloud Provisioning Database Migration to Cloud and PostgreSQL WAL, AutoVacuum & ArchiveLog Partitioning and Sharding Strategies Solving Replication, Scalability & High Availability Blob, JSON Query, CAST Operator & Connections Authentication, Audit & Encryption Implementing Database Backup Strategies Exploring Database Recovey & Restoration Methods Prometheus & Continuous Monitoring Debugging PostgreSQL Audience This book is ideal for database administrators, developers, and IT

professionals who are responsible for managing and troubleshooting PostgreSQL databases. It is also suitable for beginners looking to learn more about PostgreSQL administration and best practices.

#### The Manga Guide to Databases Apress

Extend PostgreSQL using PostgreSQL server programming to create, test, debug, and optimize a range of user-defined functions in your favorite programming language Key Features Learn the concepts of PostgreSQL 11 with lots of real-world datasets and examples Learn queries, data replication, and database performance Extend the functionalities of your PostgreSQL instance to suit your organizational needs Book Description PostgreSQL is a rock-solid, scalable, and safe enterprise-level relational database. With a broad range of features and stability, it is ever increasing in popularity. This book shows you how to take advantage of PostgreSQL 11 features for server-side programming. Server-side programming enables strong data encapsulation and coherence. The book begins with the importance of server-side programming and explains the risks of leaving all the checks outside the database. To build your capabilities further, you will learn how to write stored procedures, both functions and the new PostgreSQL 11 procedures, and create triggers to perform encapsulation and maintain data consistency. You will also learn how to produce extensions, the easiest way to package your programs for easy and solid deployment on different PostgreSQL installations. What you will learn Explore data encapsulation Write stored procedures in different languages Interact with transactions from within a function Get to grips with triggers and rules Create and manage

custom data types  
Create extensions to package code and data  
Implement background workers and Inter-Process Communication (IPC)  
How to deal with foreign languages, in particular Java and Perl  
Who this book is for  
This book is for database administrators, data engineers, and database engineers who want to implement advanced functionalities and master complex administrative tasks with PostgreSQL 11.

PostgreSQL 10 Administration Cookbook Packt Publishing Ltd  
A comprehensive guide to understanding key techniques for architecture and hardware planning, monitoring, replication, backups, and decoupling  
Key Features  
Newly updated edition, covering the latest PostgreSQL 12 features with hands-on industry-driven recipes  
Create a PostgreSQL cluster that stays online even when disaster strikes  
Learn how to avoid costly downtime and data loss that can ruin your business

**Book Description**  
Databases are nothing without the data they store. In the event of an outage or technical catastrophe, immediate recovery is essential. This updated edition ensures that you will learn the important concepts related to node architecture design, as well as techniques such as using `repmgr` for failover automation. From cluster layout and hardware selection to software stacks and horizontal scalability, this PostgreSQL cookbook will help you build a PostgreSQL cluster that will survive crashes, resist data corruption, and grow smoothly with customer demand. You'll start by understanding how to plan a PostgreSQL database architecture that is resistant to outages and scalable, as it is the scaffolding on which everything rests. With the bedrock established, you'll cover the topics that PostgreSQL database administrators need to know to manage a highly

available cluster. This includes configuration, troubleshooting, monitoring and alerting, backups through proxies, failover automation, and other considerations that are essential for a healthy PostgreSQL cluster. Later, you'll learn to use multi-master replication to maximize server availability. Later chapters will guide you through managing major version upgrades without downtime. By the end of this book, you'll have learned how to build an efficient and adaptive PostgreSQL 12 database cluster.

What you will learn  
Understand how to protect data with PostgreSQL replication tools  
Focus on hardware planning to ensure that your database runs efficiently  
Reduce database resource contention with connection pooling  
Monitor and visualize cluster activity with Nagios and the TIG (Telegraf, InfluxDB, Grafana) stack  
Construct a robust software stack that can detect and avert outages  
Use multi-master to achieve an enduring PostgreSQL cluster

Who this book is for  
This book is for PostgreSQL administrators and developers who are looking to build and maintain a highly reliable PostgreSQL cluster. Although knowledge of the new features of PostgreSQL 12 is not required, a basic understanding of PostgreSQL administration is expected.

PostgreSQL Replication "O'Reilly Media, Inc."  
Leverage the power of PostgreSQL 10 to design, administer and maintain a high-performance database solution  
Key Features  
Obtain optimal PostgreSQL 10 database performance, ranging from initial design to routine maintenance  
Fine tune the performance of your queries and avoid the common pitfalls that can slow your system down  
Contains tips and tricks on scaling successful database installations, and ensuring a highly available PostgreSQL solution

**Book Description**  
PostgreSQL database

servers have a common set of problems that they encounter as their usage gets heavier and requirements get more demanding. Peek into the future of your PostgreSQL 10 database's problems today. Know the warning signs to look for and how to avoid the most common issues before they even happen. Surprisingly, most PostgreSQL database applications evolve in the same way—choose the right hardware, tune the operating system and server memory use, optimize queries against the database and CPUs with the right indexes, and monitor every layer, from hardware to queries, using tools from inside and outside PostgreSQL. Also, using monitoring insight, PostgreSQL database applications continuously rework the design and configuration. On reaching the limits of a single server, they break things up; connection pooling, caching, partitioning, replication, and parallel queries can all help handle increasing database workloads. By the end of this book, you will have all the knowledge you need to design, run, and manage your PostgreSQL solution while ensuring high performance and high availability

**What you will learn**

- Learn best practices for scaling PostgreSQL 10 installations
- Discover the best hardware for developing high-performance PostgreSQL applications
- Benchmark your whole system – from hardware to application
- Learn by real examples how server parameters impact performance
- Discover PostgreSQL 10 features for partitioning and parallel query
- Monitor your server, both inside and outside the database
- Design and implement a good replication system on PostgreSQL 10

**Who this book is for**

This book is designed for database administrators and PostgreSQL architects who already use or plan to exploit the features of PostgreSQL 10 to design and maintain a high-performance

PostgreSQL database. A working knowledge of SQL, and some experience with PostgreSQL will be helpful in getting the most out of this book.

#### **PostgreSQL** Packt Publishing Ltd

Any time you need quick answers for developing or debugging Java programs, this pocket guide is the ideal reference to standard features of the Java programming language and its platform. You'll find helpful programming examples, tables, figures, and lists fast—including Java 9 features such as modular source code and the new JShell interactive command-line REPL. It's a handy companion, whether you're in the office, in the lab, or on the road. This book also provides material to help you prepare for the Oracle Certified Associate Java Programmer exam. Quickly find Java language details, such as naming conventions, types, statements and blocks, and object-oriented programming. Get details on the Java SE platform, including development basics, memory management, concurrency, and generics. Use new features in Java 9, including modular source code and JShell. Browse through information on basic input/output, NIO 2.0, the Java collections framework, and the Java Scripting API. Get supplemental references to fluent APIs, third-party tools, and basics of the Unified Modeling Language (UML).

#### Mastering PostgreSQL 13 Packt Publishing Ltd

Want to learn about databases without the tedium? With its unique combination of Japanese-style comics and serious educational content, *The Manga Guide to Databases* is just the book for you. Princess Ruruna is stressed out. With the king and queen away, she has to manage the Kingdom of Kod's

humongous fruit-selling empire. Overseas departments, scads of inventory, conflicting prices, and so many customers! It's all such a confusing mess. But a mysterious book and a helpful fairy promise to solve her organizational problems—with the practical magic of databases. In *The Manga Guide to Databases*, Tico the fairy teaches the Princess how to simplify her data management. We follow along as they design a relational database, understand the entity-relationship model, perform basic database operations, and delve into more advanced topics. Once the Princess is familiar with transactions and basic SQL statements, she can keep her data timely and accurate for the entire kingdom. Finally,

Tico explains ways to make the database more efficient and secure, and they discuss methods for concurrency and replication. Examples and exercises (with answer keys) help you learn, and an appendix of frequently used SQL statements gives the tools you need to create and maintain full-featured databases. (Of course, it wouldn't be a royal kingdom without some drama, so read on to find out who gets the girl—the arrogant prince or the humble servant.) This EduManga book is a translation of a bestselling series in Japan, co-published with Ohmsha, Ltd., of Tokyo, Japan.

Best Sellers - Books :

- [Are You There God? It's Me, Margaret. By Judy Blume](#)
- [Stop Overthinking: 23 Techniques To Relieve Stress, Stop Negative Spirals, Declutter Your Mind, And Focus On The Present \(the](#)
- [Iron Flame \(the Empyrean, 2\) By Rebecca Yarros](#)
- [Baking Yesteryear: The Best Recipes From The 1900s To The 1980s By B. Dylan Hollis](#)
- [Things We Hide From The Light \(knockemout Series, 2\) By Lucy Score](#)
- [Little Blue Truck's Valentine](#)
- [The Nightingale: A Novel](#)
- [Heart Bones: A Novel](#)
- [Lord Of The Flies By William Golding](#)
- [A Soul Of Ash And Blood: A Blood And Ash Novel \(blood And Ash Series\)](#)