

Postgresql Administrators Guide

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[System Administration Guide for MicroStrategy 10](#) IBM Redbooks

Thinking of migrating to PostgreSQL? This updated guide helps you quickly understand and use the 9.3 release of this open source database system. You'll not only learn about its unique enterprise-class features, but also discover that PostgreSQL is more than just a database system—it's also an impressive application platform. Using numerous examples, this book shows you how to achieve tasks that are difficult or impossible in other databases. The second edition covers LATERAL queries, augmented JSON support, materialized views, and other key topics. If you're an existing PostgreSQL user, you'll pick up gems you may have missed along the way. Learn basic administration tasks, such as role management, database creation, backup, and restore Apply the psql command-line utility and the pgAdmin graphical administration tool Explore PostgreSQL tables, constraints, and indexes Learn powerful SQL constructs not generally found in other databases Use several different languages to write database functions Tune your queries to run as fast as your hardware will allow Query external and variegated data sources with Foreign Data Wrappers Learn how to replicate data, using built-in replication features

Web Host Manager Administration Guide Addison-Wesley Professional

This is the first volume of a book series covering PostgreSQL from the database administration point of view. The book covers PostgreSQL 11 on Linux analysing the install procedure either from source and with packages on Debian and RPM based systems. A good part of the book explains the logical organisation and the physical structure in order to give the reader a good starting point to understand the PostgreSQL internals. Logical backup and restore with pg_dump are also analysed and performance tips for speeding up a disaster recovery are given. The book also explain how PostgreSQL executes a query, the maintenance and the internal statistics in order to give the database administrators the know how for keeping PostgreSQL running efficiently at all time.

The ultimate and most up-to-date guide to manage WildFly application server Fultus Corporation

A practical guide to administer, monitor and replicate your PostgreSQL 10 database About This Book 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 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. 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 In Detail 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. Style and approach The book is a step by step guide with example-driven recipes, focused on the new features of the latest PostgreSQL version 10. This book will serve as a specific guide to understand and leverage useful PostgreSQL functionalities to create better and more efficient databases. Down ...

[PostgreSQL](#) Fultus Corporation

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 administering 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.

Build and manage high-performance database solutions using PostgreSQL 12 and 13 Packt Publishing Ltd

In Detail PostgreSQL is a powerful, open source, enterprise database. This PostgreSQL 9 Administration Cookbook LITE book describes key aspects of the PostgreSQL open source database system. The book will help a sysadmin or DBA with key administration issues in PostgreSQL: configuration, monitoring and diagnosis, and setting up regular maintenance. This hands-on guide will assist developers working on live databases supporting web or enterprise software applications. To find out more about upgrading to the full edition, visit www.packtpub.com/lite-editions and log into your account for offers and help. If you don't have an account on PacktPub.com, visit today and set one up! Approach Written in the cookbook style, this book offers learning and techniques through recipes. It contains step-by-step instructions for administrators and developers to manage databases in PostgreSQL. The book is designed in such a way that you can read it chapter by chapter or refer to recipes in no particular order. Who this book is for This book is for Sysadmins, Database Administrators, Architects, Developers, and anyone with an interest in planning for or running live production databases. The book assumes that you are familiar with the basic operation of PostgreSQL.

Server Administration Guide Packt Publishing Ltd

If you are a database administrator looking for solutions to common PostgreSQL problems, this is the book for you. The book is suitable for people with intermediate and professional expertise.

PostgreSQL 11 Administration Cookbook CNET Networks Inc.

IBM® Cloud Private is an application platform for developing and managing containerized applications across hybrid cloud environments, on-premises and public clouds. It is an integrated environment for managing containers that includes the container orchestrator Kubernetes, a private image registry, a management console, and monitoring frameworks. This IBM Redbooks covers tasks performed by IBM Cloud Private system administrators such as installation for high availability, configuration, backup and restore, using persistent volumes, networking, security, logging and monitoring. Istio integration, troubleshooting and so on. As part of this project we also developed several code examples and you can download those from the IBM Redbooks GitHub location: <https://github.com/IBMRedbooks>. The authors team has many years of experience in implementing IBM Cloud Private and other cloud solutions in production environments, so throughout this document we took the approach of providing you the recommended practices in those areas. If you are an IBM Cloud Private system administrator, this book is for you. If you are developing applications on IBM Cloud Private, you can see the IBM Redbooks publication IBM Cloud Private Application Developer's Guide, SG24-8441.

[The Best Guide to Database Programming with Java GUI, PostgreSQL, and SQL Server](#) IT Buzz Press

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.

Instant PostgreSQL Backup and Restore How-to Packt Publishing Ltd

The official "Ubuntu 10.10 Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

Ubuntu 10.10 Server Guide Packt Publishing Ltd

Through example-driven recipes, with plenty of code, focused on the most vital features of the latest PostgreSQL version (9.4), both administrators and developers will follow short, specific guides to understand and leverage useful Postgre functionalities to create better and more efficient databases.

[PostgreSQL Developer's Handbook](#) "O'Reilly Media, Inc."

The Solaris operating system, along with related Sun products like Java, is one of the most reliable and scalable platforms on which to build e-commerce products, and on which to support all networked services. Yet, one problem that potential users face is finding out more information about what Solaris offers. In a sense, they want to know how much technical work is involved in migrating to Solaris, and what kind of philosophy Solaris is based on. To answer these questions, Solaris 8 Administrator's Guide covers all aspects of deploying Solaris as a network server, including both basic and advanced network services. Given newfound interest in Solaris as an enterprise network operating system, this guide is aimed squarely at supporting enterprise-level services. It's written for experienced network administrators who want an objective guide to networking with Solaris, and covers installation on both the Intel and Sparc platforms. With it, you will learn how to setup Solaris as a file server, application server, and database server. In its coverage of advanced topics, Solaris 8 Administrator's Guide offers examples of configuration files and the installation of third-party software packages. This comprehensive book also contains more conceptual and difficult material that is absent from other Solaris reference manuals. At all points, emphasis is placed on issues like evaluating the security, scalability, and reliability of specific software packages--at the expense of providing detailed coverage of every available package. The book covers the practical experience and new skills needed to understand the impact of new services and new software products on existing server systems. Author Paul Watters--a recognized authority on Solaris--avoids so-called "historical" services, like UUCP, which can easily fill chapters

but aren't commonly found in today's production environments. Indeed, he doesn't bother to provide an in-depth history of Solaris or UNIX at all, assuming that you can find this material elsewhere. Instead, the practical focus is on supporting relevant contemporary networking technologies. Solaris 8 Administrator's Guide provides you with a third-party view that not only praises Solaris, but is critical and realistic in its assessment. This book is for experienced Solaris Administrators as well as those looking to migrate to this operating system.

[Troubleshooting PostgreSQL Network Theory](#)

This book will get you up and running with the working of relational databases, data modeling, data manipulation, and more. You will learn to build efficient relational database solutions from scratch using the latest features of PostgreSQL 12 and 13. You'll also be able to identify bottlenecks to enhance the performance of database applications.

[Over 165 effective recipes for database management and maintenance in PostgreSQL 10](#) Fultus Corporation

A practical guide to administer, monitor and replicate your PostgreSQL 11 database. Key Features: Study and apply the newly introduced features in PostgreSQL 11. Tackle any problem in PostgreSQL 11 administration and management. Catch up on expert techniques for monitoring, fine-tuning, and securing your database.

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 11 allows you to scale up your PostgreSQL infrastructure. This book takes a step-by-step, recipe-based approach to effective PostgreSQL administration. The book will introduce you to new features such as logical replication, native table partitioning, additional query parallelism, and much more to help you to understand and control, crash recovery and plan backups. You will learn how to tackle a variety of problems and pain points for any database administrator such as creating tables, managing views, improving performance, and securing your database. As you make steady progress, the book will draw attention to important topics such as monitoring roles, backup, and recovery of your PostgreSQL 11 database to help you understand roles and produce a summary of log files, ensuring high availability, concurrency, and replication. By the end of this book, you will have the necessary knowledge to manage your PostgreSQL 11 database efficiently. What you will learn: Troubleshoot open source PostgreSQL version 11 on various platforms. Deploy best practices for planning and designing live databases. Select and implement robust backup and recovery techniques in PostgreSQL 11. Use pgAdmin or OmniDB to perform database administrator (DBA) tasks. Adopt efficient replication and high availability techniques in PostgreSQL. Improve the performance of your PostgreSQL solution. Who this book is for: This book is designed for database administrators, data architects, database developers, or anyone with an interest in planning and running live production databases using PostgreSQL 11. It is also ideal if you're looking for hands-on solutions to any problem associated with PostgreSQL 11 administration. Some experience with handling PostgreSQL databases will be beneficial.

[IBM Cloud Private System Administrator's Guide](#) Packt Publishing Ltd

Master PostgreSQL 12 features such as advanced indexing, high availability, monitoring, and much more to efficiently manage and maintain your database. Key Features: Grasp advanced PostgreSQL 12 concepts with real-world examples and sample datasets. Explore query parallelism, data replication, database administration, and more. Extend PostgreSQL functionalities to suit your organization's needs with minimal effort. Book Description: Thanks to its reliability, robustness, and high performance, PostgreSQL has become the most advanced open source database on the market. This third edition of Mastering PostgreSQL helps you build dynamic database solutions for enterprise applications using the latest release of PostgreSQL, which enables database analysts to design both physical and technical aspects of system architecture with ease. Starting with an introduction to the newly released features in PostgreSQL 12, this book will help you build efficient and fault-tolerant PostgreSQL applications. You'll thoroughly examine the advanced features of PostgreSQL, including logical replication, database clusters, performance tuning, monitoring, and user management. You'll also work with the PostgreSQL optimizer, configure PostgreSQL for high speed, and understand how to move from Oracle to PostgreSQL. As you progress through the chapters, you'll cover transactions, locking, indexes, and how to optimize queries for improved performance. Additionally, you'll learn how to manage network security and explore backups and replications while understanding useful PostgreSQL extensions to help you in optimizing 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 implementing advanced administrative tasks effortlessly. What you will learn: Understand the advanced SQL functions in PostgreSQL 12. Use indexing features in PostgreSQL to fine-tune the performance of queries. Work with stored procedures and manage backup and recovery. Master replication and failover techniques to reduce data loss. Replicate PostgreSQL database systems to create backups and to scale your database. Manage and improve the security of your server to protect your data. Troubleshoot your PostgreSQL instance for solutions to common and not-so-common problems. Who this book is for: This book is for PostgreSQL developers and administrators and database professionals who want to implement advanced functionalities and master complex administrative tasks with PostgreSQL 12. Prior exposure to PostgreSQL as well as familiarity with the basics of database administration is expected.

[Effective guide to administering high-performance MySQL 8 solutions](#) Packt Publishing Ltd

Arguably the most capable of all the open source databases, PostgreSQL is an object-relational database management system first developed in 1977 by the University of California at Berkeley. In spite of its long history, this robust database suffers from a lack of easy-to-use documentation. Practical PostgreSQL fills that void with a fast-paced guide to installation, configuration, and usage. This comprehensive new volume shows you how to compile PostgreSQL from source, create a database, and configure PostgreSQL to accept client-server connections. It also covers the many advanced features, such as transactions, versioning, replication, and referential integrity that enable developers and DBAs to use PostgreSQL for serious business applications. The thorough introduction to PostgreSQL's PL/pgSQL programming language explains how you can use this very useful but under-documented feature to develop stored procedures and triggers. The book includes a complete command

reference, and database administrators will appreciate the chapters on user management, database maintenance, and backup & recovery. With Practical PostgreSQL, you will discover quickly why this open source database is such a great open source alternative to proprietary products from Oracle, IBM, and Microsoft.

[Mastering PostgreSQL 13 Network Theory](#)

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.

[Structure and Administration](#) SPARTA PUBLISHING

The official "Ubuntu 11.04 Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

[Mastering PostgreSQL 12 PostgreSQL Administration Essentials](#)

"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.

[Administrator's Guide to Linux in the Windows Enterprise](#) "O'Reilly Media, Inc."

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 9.0 Reference Manual - Volume 3](#) SPARTA PUBLISHING

Updated to include the new features introduced in PostgreSQL 13, this book shows you how to build better PostgreSQL applications and administer your PostgreSQL database efficiently. You'll master the advanced features of PostgreSQL and develop the skills you need to build secure and highly available database solutions.

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