

Postgresql Administrators Guide

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PostgreSQL 11 Server Side Programming Quick Start Guide MicroStrategy, 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.

[Ubuntu 11.04 Server Guide](#) Packt Publishing Ltd

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.

Effective database programming and interaction Sams Publishing

This is the official documentation of PostgreSQL version 11.2. The manual is 2,816 pages long, and
 has been split into three volumes. The volume ISBN numbers are: Volume One 9781680922738,
 Volume Two 9781680922745 and Volume Three 9781680922752. Volume One covers chapters
 Chapters 1-36. Volume Two covers Chapters 37-50 & the Reference section. Volume Three covers
 Chapters 51-70 & the Appendixes. Each volume as the full Preface, Bibliography and Index sections.
 This book has been written by the PostgreSQL developers and other volunteers in parallel to the
 development of the PostgreSQL software. It describes all the functionality that the current version of
 PostgreSQL officially supports. To make the large amount of information about PostgreSQL
 manageable in printed form, this book is organized in several parts. Each part is targeted at a
 different class of users, or at users in different stages of their PostgreSQL experience: - Part I is an
 informal introduction for new users. - Part II documents the SQL query language environment,

including data types and functions, as well as user-level performance tuning. Every PostgreSQL user
 should read this. - Part III describes the installation and administration of the server. Everyone who
 runs a PostgreSQL server, be it for private use or for others, should read this part. - Part IV describes
 the programming interfaces for PostgreSQL client programs. - Part V contains information for
 advanced users about the extensibility capabilities of the server. Topics include user-defined data
 types and functions. - Part VI contains reference information about SQL commands, client and server
 programs. This part supports the other parts with structured information sorted by command or
 program. - Part VII contains assorted information that might be of use to PostgreSQL developers. You
 may download the original document as a PDF for free from [Postgresql.org](#).

PostgreSQL 10 Administration Cookbook 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.

Introduction and Concepts SPARTA PUBLISHING

The open source PostgreSQL database is soaring in popularity, as thousands of database and web
 professionals discover its powerful features, transaction support, performance, and industrial-
 strength scalability. In this book, a founding member of the PostgreSQL development team
 introduces everything you need to know to succeed with PostgreSQL, from basic SQL commands
 through database administration and optimization. PostgreSQL assumes no previous database
 expertise: it establishes a firm foundation of basic concepts and commands before turning to
 PostgreSQL's advanced, innovative capabilities. Bruce Momjian walks readers step-by-step from
 their first database queries through the complex queries needed to solve real-world problems. He
 presents proper query syntax, then explores the value and use of each key SQL commands in
 working applications. Learn to manipulate and update databases, customize queries, work with SQL
 aggregates, use joins, combine SELECTs with subqueries, work with triggers and transactions,
 import and export data, use PostgreSQL query tools, and more. Discover PostgreSQL techniques for
 server-side programming and multi-user control, and master PostgreSQL's interfaces to C, C++,
 ODBC, JDBC, Perl, and Tcl/TK. You'll also find detailed coverage of PostgreSQL administration,
 including backups, troubleshooting, and access configuration.

Over 165 effective recipes for database management and maintenance in PostgreSQL 10
 Packt Publishing Ltd

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.

The ultimate and most up-to-date guide to manage WildFly application server SPARTA
 PUBLISHING

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 are not 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.

Learn JDBC The Hard Way: A Hands-On Guide to PostgreSQL and SQL Server Driven Programming Network Theory.

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 PostgreSQL functionalities to create better and more efficient databases.

Practical PostgreSQL MicroStrategy, Inc.

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.

MySQL 8 Administrator's Guide Fultus Corporation

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.

System Administration Guide for MicroStrategy 9.5 PostgreSQL for DBA

Manage, fine-tune, secure and deploy your MongoDB solution with ease with the help of practical recipes. About This Book Configure and deploy your MongoDB instance securely, without any hassle. Optimize your database's query performance, perform scale-out operations, and make your database highly available. Practical guide with a recipe-based approach to help you tackle any problem in the application and database administration aspects of MongoDB. Who This Book Is For Database administrators with a basic understanding of the features of MongoDB and who want to professionally configure, deploy, and administer a MongoDB database, will find this book essential. If you are a MongoDB developer and want to get into MongoDB administration, this book will also help you. What You Will Learn Install and deploy MongoDB in production. Manage and implement optimal indexes. Optimize monitoring in MongoDB. Fine-tune the performance of your queries. Debug and diagnose your database's performance. Optimize database backups and recovery and ensure high availability. Make your MongoDB instance scalable. Implement security and user authentication features in MongoDB. Master optimal cloud deployment strategies. In Detail MongoDB is a high-performance and feature-rich NoSQL database that forms the backbone of the systems that power many different organizations. Packed with many features that have become essential for many different types of software professional and incredibly easy to use, this cookbook contains more than 100 recipes to address the everyday challenges of working with MongoDB. Starting with database configuration, you will understand the indexing aspects of MongoDB. The book also includes practical recipes on how you can optimize your database query performance, perform diagnostics, and query debugging. You will also learn how to implement the core administration tasks required for high-availability and scalability, achieved through replica sets and sharding, respectively. You will also implement server security concepts such as authentication, user management, role-based access models, and TLS configuration. You will also learn how to back up and recover your database efficiently and monitor server performance. By the end of this book, you will have all the information you need--along with tips, tricks, and best practices--to implement a high-performance MongoDB solution. Style and approach This practical book follows a problem-solution approach to help you tackle any issues encountered while performing MongoDB administrative tasks. Each recipe is detailed, and explained in a very easy to understand manner.

System Administration Guide for MicroStrategy 10 SPARTA PUBLISHING

Run your web host with the popular WebHost Manager software.

IBM Cloud Private System Administrator's Guide CNET Networks Inc.

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.

PostgreSQL 9 Administration Cookbook - Second Edition Packt Publishing Ltd

This book offers the straightforward, practical answers you need to help you do your job. This hands-on tutorial/reference/guide to PostgreSQL and SQL Server is not only perfect for students and beginners, but it also works for experienced developers who aren't getting the most from PostgreSQL and SQL Server. As you would expect, this book shows how to build from scratch two different databases: PostgreSQL and SQL Server using Java. In designing a GUI and as an IDE, you will make use of the NetBeans tool. In chapter one, you will learn: How to install NetBeans, JDK 11, and the PostgreSQL connector; How to integrate external libraries into projects; How the basic PostgreSQL commands are used; How to query statements to create databases, create tables, fill tables, and manipulate table contents is done. In chapter two, you will learn querying data from the postgresql using jdbc including establishing a database connection, creating a statement object, executing the query, processing the resultset object, querying data using a statement that returns multiple rows, querying data using a statement that has parameters, inserting data into a table using jdbc, updating data in postgresql database using jdbc, calling postgresql stored function using

jdbc, deleting data from a postgresql table using jdbc, and postgresql jdbc transaction. In chapter three, you will learn the basics of cryptography using Java. Here, you will learn how to write a Java program to count Hash, MAC (Message Authentication Code), store keys in a KeyStore, generate PrivateKey and PublicKey, encrypt / decrypt data, and generate and verify digital prints. You will also learn how to create and store salt passwords and verify them. In chapter four, you will create a PostgreSQL database, named Bank, and its tables. In chapter five, you will create a Login table. In this case, you will see how to create a Java GUI using NetBeans to implement it. In addition to the Login table, in this chapter you will also create a Client table. In the case of the Client table, you will learn how to generate and save public and private keys into a database. You will also learn how to encrypt / decrypt data and save the results into a database. In chapter six, you will create an Account table. This account table has the following ten fields: account_id (primary key), client_id (primary key), account_number, account_date, account_type, plain_balance, cipher_balance, decipher_balance, digital_signature, and signature_verification. In this case, you will learn how to implement generating and verifying digital prints and storing the results into a database. In chapter seven, you create a table named Client_Data, which has seven columns: client_data_id (primary key), account_id (primary key), birth_date, address, mother_name, telephone, and photo_path. In chapter eight, you will be taught how to create a SQL Server database, named Crime, and its tables. In chapter nine, you will be taught how to extract image features, utilizing BufferedImage class, in Java GUI. In chapter ten, you will be taught to create Java GUI to view, edit, insert, and delete Suspect table data. This table has eleven columns: suspect_id (primary key), suspect_name, birth_date, case_date, report_date, suspect_status, arrest_date, mother_name, address, telephone, and photo. In chapter eleven, you will be taught to create Java GUI to view, edit, insert, and delete Feature_Extraction table data. This table has eight columns: feature_id (primary key), suspect_id (foreign key), feature1, feature2, feature3, feature4, feature5, and feature6. In chapter twelve, you will add two tables: Police_Station and Investigator. These two tables will later be joined to Suspect table through another table, File_Case, which will be built in the seventh chapter. The Police_Station has six columns: police_station_id (primary key), location, city, province, telephone, and photo. The Investigator has eight columns: investigator_id (primary key), investigator_name, rank, birth_date, gender, address, telephone, and photo. Here, you will design a Java GUI to display, edit, fill, and delete data in both tables. In chapter thirteen, you will add two tables: Victim and File_Case. The File_Case table will connect four other tables: Suspect, Police_Station, Investigator and Victim. The Victim table has nine columns: victim_id (primary key), victim_name, crime_type, birth_date, crime_date, gender, address, telephone, and photo. The File_Case has seven columns: file_case_id (primary key), suspect_id (foreign key), police_station_id (foreign key), investigator_id (foreign key), victim_id (foreign key), status, and description. Here, you will also design a Java GUI to display, edit, fill, and delete data in both tables. Finally, this book is hopefully useful and can improve database programming skills for every Java/PostgreSQL/SQL Server programmer.

Structure and Administration 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.

WildFly Administration Guide Network Theory.

The PostgreSQL 9.0 system administration guide, covers the installation, configuration and maintenance of PostgreSQL 9.0 database servers. Topics include backups, security, tuning and upgrade procedures, and advanced features such as file-based and record-based log-shipping, continuous archiving and point-in-time recovery.

PostgreSQL IBM Redbooks

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.

Jython for Java Programmers Packt Publishing Ltd

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.

Volume 2 Chapters 37-50 & Reference Packt Publishing Ltd

Build Java-based Web applications with increased speed and salability using Jython. This book helps Java developers increase application development and deployment. A brief introduction is provided that shows the differences between Java and Jython.

Administrator's Guide to Linux in the Windows Enterprise "O'Reilly Media, Inc."

This book explains relational theory in practice, and demonstrates through two projects how you can apply it to your use of PostgreSQL and SQLite databases. This book covers the important requirements of teaching databases with a practical and progressive perspective. This book offers the straightforward, practical answers you need to help you do your job. This hands-on tutorial/reference/guide to PostgreSQL and SQLite is not only perfect for students and beginners, but it also works for experienced developers who aren't getting the most from both databases. In designing a GUI and as an IDE, you will make use Qt Designer. In the first chapter, you will learn to use several widgets in PyQt5: Display a welcome message; Use the Radio Button widget; Grouping radio buttons; Displays options in the form of a check box; and Display two groups of check boxes. In chapter two, you will learn to use the following topics: Using Signal / Slot Editor; Copy and place text from one Line Edit widget to another; Convert data types and make a simple calculator; Use the Spin Box widget; Use scrollbars and sliders; Using the Widget List; Select a number of list items from one Widget List and display them on another Widget List widget; Add items to the Widget List; Perform operations on the Widget List; Use the Combo Box widget; Displays data selected by the user from the Calendar Widget; Creating a hotel reservation application; and Display tabular data using Table Widgets. In chapter three, you will learn: How to create the initial three tables project in the School database: Teacher, Class, and Subject tables; How to create database configuration files; How to create a Python GUI for inserting and editing tables; How to create a Python GUI to join and query the three tables. In chapter four, you will learn how to: Create a main form to connect all forms; Create a project will add three more tables to the school database: Student, Parent, and Tuition tables; Create a Python GUI for inserting and editing tables; Create a Python GUI to join and query over the three tables. In chapter five, you will join the six classes, Teacher, TClass, Subject, Student,

Parent, and Tuition and make queries over those tables. In chapter six and chapter seven, you will get introduction of postgresql. And then, you will learn querying data from the postgresql using Python including establishing a database connection, creating a statement object, executing the query, processing the resultset object, querying data using a statement that returns multiple rows, querying data using a statement that has parameters, inserting data into a table using Python, updating data in postgresql database using Python, calling postgresql stored function using Python, deleting data from a postgresql table using Python, and postgresql Python transaction. In chapter eight, you will create and configure PostgreSQL database. In this chapter, you will create Suspect table in crime database. This table has eleven columns: suspect_id (primary key), suspect_name, birth_date, case_date, report_date, suspect_status, arrest_date, mother_name, address, telephone, and photo. You will also create GUI to display, edit, insert, and delete for this table. In chapter nine, you will create a table with the name Feature_Extraction, which has eight columns: feature_id

(primary key), suspect_id (foreign key), feature1, feature2, feature3, feature4, feature5, and feature6. The six fields (except keys) will have a VARCHAR data type (200). You will also create GUI to display, edit, insert, and delete for this table. In chapter ten, you will create two tables, Police and Investigator. The Police table has six columns: police_id (primary key), province, city, address, telephone, and photo. The Investigator table has eight columns: investigator_id (primary key), investigator_name, rank, birth_date, gender, address, telephone, and photo. You will also create GUI to display, edit, insert, and delete for both tables. In chapter eleven, you will create two tables, Victim and Case_File. The Victim table has nine columns: victim_id (primary key), victim_name, crime_type, birth_date, crime_date, gender, address, telephone, and photo. The Case_File table has seven columns: case_file_id (primary key), suspect_id (foreign key), police_id (foreign key), investigator_id (foreign key), victim_id (foreign key), status, and description. You will create GUI to display, edit, insert, and delete for both tables as well.

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