COMPARISON

	POSTGRESQL	MYSQL
RELEASE	May 1995, Postgre95	23 May 1995
GUI TOOL	PgAdmin GUI	MySQL Workbench GUI
ACID COMPLIANCE	Complete support	Only some versions
MAJOR ASPECTS	Features & standards	Speed
INHERITANCE	Support	Does not Support
ARCHITECTURE	Object-relational, multiprocess	Relational, single process
DATA TYPES	Only supports Standard data types	Supports Advanced data types

[Which Database Is Better For Zabbix Postgresql Vs Mysql](#)

Nathan Liefting,Brian van Baekel

Which Database Is Better For Zabbix Postgresql Vs Mysql:

   Zabbix 7 IT Infrastructure Monitoring Cookbook Nathan Liefting,Brian van Baekel,2024-07-12 Discover practical recipes to help you efficiently monitor enterprise IT infrastructure for Microsoft Windows Linux networking and more Key Features Master the redesigned frontend of Zabbix 7 with improved navigation and a streamlined menu structure Automate alert workflows by integrating Zabbix with external services like Slack Microsoft Teams and OpsGenie Perform professional IT infrastructure and application monitoring across multiple platforms Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionRealize the full potential of Zabbix 7 with this updated third edition of the Zabbix 7 IT Infrastructure Monitoring Cookbook Packed with new recipes and updated with the latest Zabbix functionalities this guide covers everything you need whether you re setting up Zabbix with built in proxy high availability using LDAP JIT user provisioning implementing low level host discovery or creating advanced triggers This hands on guide offers easy to follow recipes to use Zabbix 7 to monitor the performance of devices and applications across your network You ll start by learning how to install Zabbix and examine its most prominent features ensuring you make the right design choices to build a scalable and easily manageable environment Each recipe is crafted to help you build items and triggers for different types of monitoring create templates and use Zabbix proxies You ll also get to grips with using the Zabbix API for customization and managing your Zabbix server and database Finally you ll find quick solutions to the common and not so common problems that you may encounter in your Zabbix monitoring work By the end of this book you ll have expert insights into using Zabbix for all your monitoring needs and be able to build a solid Zabbix setup by leveraging its key functionalities What you will learn Implement a high availability Zabbix setup for both server and proxies Build templates and explore various monitoring types available in Zabbix 7 Use Zabbix proxies to scale your environment effectively Work with custom integrations and the Zabbix API Set up advanced triggers and alerting Maintain your Zabbix setup for scaling backups and upgrades Perform advanced Zabbix database management Monitor cloud based products such as Amazon Web Services AWS Azure and Docker Who this book is for This book is for network and IT engineers who want to get started with Zabbix as well as those with an intermediate level understanding of Zabbix looking to extend their knowledge While prior experience with Zabbix is not a prerequisite it will help you make the most of this book   Zabbix 5 IT Infrastructure Monitoring Cookbook Nathan Liefting,Brian van Baekel,2021-02-26 Discover practical recipes to help you efficiently monitor enterprise IT infrastructure for Windows Linux and networking Key FeaturesFind out how you can leverage some of the most exciting features of Zabbix 5Perform professional IT infrastructure and application monitoring on multiple platformsDiscover easy to follow practical solutions to problems in network monitoring with ZabbixBook Description Zabbix offers useful insights into your infrastructure performance and issues and enables you to enhance your monitoring setup with its variety of powerful features This book covers hands on easy to follow recipes for using Zabbix 5 for effectively monitoring the performance of

devices and applications over networks The book starts by guiding you through the installation of Zabbix and using the Zabbix frontend You ll then work your way through the most prominent features of Zabbix and make the right design choices for building a scalable and easily manageable environment The book contains recipes for building items and triggers for different types of monitoring building templates and using Zabbix proxies As you advance you ll learn how to use the Zabbix API for customization and manage your Zabbix server and database efficiently Finally you ll find quick solutions to the common and not so common problems that you may encounter in your everyday Zabbix monitoring work By the end of this Zabbix book you ll have learned how to use Zabbix for all your monitoring needs and be able to build a solid Zabbix setup by leveraging its key functionalities What you will learnExplore the different types of monitoring available in Zabbix 5Find out how to build your own Zabbix templatesUse Zabbix proxies for effective load balancing scalingWork with custom integrations and the Zabbix APISet up triggers and alerting with Zabbix 5Maintain your Zabbix setup for scaling backups and upgradesDiscover how to perform advanced Zabbix database managementMonitor cloud based products such as Amazon Web Services AWS Azure and DockerWho this book is for This book is for IT engineers who want to get started with Zabbix and anyone with an intermediate understanding of Zabbix looking to extend their knowledge Although not necessary prior experience with Zabbix will help you to make the most of this book **Zabbix: Enterprise Network Monitoring Made Easy** Rihards Olups,Andrea Dalle Vacche,Patrik Uytterhoeven,2017-02-08 Learn how to gather detailed statistics and data with this one stop comprehensive course along with hands on recipes to get your infrastructure up and running with Zabbix About This Book Monitor your network and deploy impressive business solutions with Zabbix Get practical recipes to automate your Zabbix infrastructure and create impressive graphs Integrate customize and extend your monitoring solutions with external components and software Who This Book Is For This course is for System Administrators who have been managing and monitoring infrastructure You do not need any knowledge about Zabbix What You Will Learn Efficiently collect data from a large variety of monitoring objects Organize your data in graphs charts maps and slide shows Write your own custom probes and monitoring scripts to extend Zabbix Configure Zabbix and its database to be high available and fault tolerant Automate repetitive procedures using Zabbix s API FInd out how to monitor SNMP devices Manage hosts users and permissions while acting upon monitored conditions Set up your Zabbix infrastructure efficiently Customize the Zabbix interface to suit your system needs Monitor your VMware infrastructure in a quick and easy way with Zabbix In Detail Nowadays monitoring systems play a crucial role in any IT environment They are extensively used to not only measure your system s performance but also to forecast capacity issues This is where Zabbix one of the most popular monitoring solutions for networks and applications comes into the picture With an efficient monitoring system in place you ll be able to foresee when your infrastructure runs under capacity and react accordingly Due to the critical role a monitoring system plays it is fundamental to implement it in the best way from its initial setup This avoids misleading confusing or even worse false

alarms that can disrupt an efficient and healthy IT department This course is for administrators who are looking for an end to end monitoring solution It will get you accustomed with the powerful monitoring solution starting with installation and explaining the fundamentals of Zabbix Moving on we explore the complex functionalities of Zabbix in the form of enticing recipes These recipes will help you to gain control of your infrastructure You will be able to organize your data in the form of graphs and charts along with building intelligent triggers for monitoring your network proactively Toward the end you will gain expertise in monitoring your networks and applications using Zabbix This Learning Path combines some of the best that Packt has to offer in one complete curated package It includes content from the following Packt products Zabbix Network Monitoring Second Edition Zabbix Cookbook Mastering Zabbix Second Edition Style and approach This course is a compact practical guide that starts from the fundamentals of Zabbix and takes you all the way to building a monitoring solution that gathers data from a large variety of systems Along the way we will discuss the low level operational details that should benefit you even if you have used Zabbix for a while It also follows a step by step approach that is easy to follow full of engaging examples and will help you apply the theory to practice   *Zabbix 4 Network Monitoring* Patrik Uytterhoeven,Rihards Olups,2019-01-21 Gather detailed statistics and deploy impressive business solutions with Zabbix 4 0 Key FeaturesExperience the full impact of Zabbix 4 0 a useful and increasingly popular toolEnhance your network s performance and manage hosts and systemsA step by step guide to smarter network monitoringBook Description Zabbix 4 Network Monitoring is the perfect starting point for monitoring the performance of your network devices and applications with Zabbix Even if you ve never used a monitoring solution before this book will get you up and running quickly You ll learn to monitor more sophisticated operations with ease and soon feel in complete control of your network ready to meet any challenges you might face Starting with the installation you will discover the new features in Zabbix 4 0 You will then get to grips with native Zabbix agents and Simple Network Management Protocol SNMP devices You will also explore Zabbix s integrated functionality for monitoring Java application servers and VMware This book also covers notifications permission management system maintenance and troubleshooting so you can be confident that every potential challenge and task is under your control If you re working with larger environments you ll also be able to find out more about distributed data collection using Zabbix proxies Once you re confident and ready to put these concepts into practice you will understand how to optimize and improve performance Troubleshooting network issues is vital for anyone working with Zabbix so the book also helps you work through any technical snags and glitches you might face By the end of this book you will have learned more advanced techniques to fine tune your system and make sure it is in a healthy state What you will learnInstall Zabbix server and an agent from sourceManage hosts users and permissions while acting upon monitored conditionsVisualize data with the help of ad hoc graphs custom graphs and mapsSimplify complex configurations and learn to automate themMonitor everything from web pages to IPMI devices and Java applications to VMware statsConfigure Zabbix to send alerts including

problem severity and time periodsTroubleshoot any network issueWho this book is for If you re new to Zabbix look no further than this book Zabbix 4 Network Monitoring is for system and network administrators who are looking to put their knowledge to work with Zabbix 4 0 **Zabbix Network Monitoring** Rihards Olups,2016-08-10 Gather detailed statistics and data while monitoring the performance and availability of network devices and applications using the all new Zabbix 3 0 About This Book Monitor your network and deploy impressive business solutions with Zabbix 3 0 Manage hosts and system maintenance to keep your network performing for the people who use it A step by step guide to smarter network monitoring Who This Book Is For If you re new to Zabbix look no further than this book It will show you how to put your sysadmin knowledge to work with Zabbix 3 0 so you can experience the full impact of this useful and increasingly popular tool What You Will Learn Get to grips with the fundamentals of Zabbix Find out how Zabbix s features let you monitor your network with confidence and precision Learn how to monitor SNMP devices Manage hosts users and permissions while acting upon monitored conditions Visualize data with the help of ad hoc graphs custom graphs maps and reports Simplify complex configurations and learn to automate them Monitor everything from web pages to IPMI devices and Java applications to and VMware stats Troubleshoot any network issue fast In Detail This book is a perfect starting point for monitoring with Zabbix Even if you have never used a monitoring solution before this book will get you up and running quickly before guiding you into more sophisticated operations with ease You ll soon feel in complete control of your network ready to meet any challenges you might face Beginning with installation you ll learn the basics of data collection before diving deeper to get to grips with native Zabbix agents and SNMP devices You will also explore Zabbix s integrated functionality for monitoring Java application servers and VMware Beyond this Zabbix Network Monitoring also covers notifications permission management system maintenance and troubleshooting so you can be confident that every potential challenge and task is under your control If you re working with larger environments you ll also be able to find out more about distributed data collection using Zabbix proxies Once you re confident and ready to put these concepts into practice you ll find out how to optimize and improve performance Troubleshooting network issues is vital for anyone working with Zabbix so the book is also on hand to help you work through any technical snags and glitches you might face Network monitoring doesn t have to be a chore learn the tricks of the Zabbix trade and make sure you re network is performing for everyone who depends upon it Style and approach This book is a detailed and practical guide that starts from the fundamentals of Zabbix and takes you all the way to building a network monitoring solution that is capable of gathering data from range of different systems With tips on low level details that will boost any Zabbix users confidence and fluency it s an unmissable resource for anyone interested in what s possible with Zabbix **Zabbix Performance Tuning** Luciano Alves,2015-06-30 Performance is one of the main issues that every administrator faces at one point or another This book will help you to identify and mitigate it The book starts with an introduction to Zabbix and the most common mistakes that are usually overlooked while deploying it You will

discover the importance of an impressive and easy to use front end and how to develop one along with comparisons between Apache Ngnix and lighttpd web servers Storage as an important aspect of every deployment is covered and you will be shown how to choose the right storage system for you and configure it to suit your deployment Towards the end of the book you will walk through the intricacies of the operating system the final piece of the puzzle that holds all the components together You will then dive into advanced topics including using a specific piece of hardware for each of the components the Zabbix proxy and firewall settings By the end of the book you will be able to tune your Zabbix implementation to achieve maximum performance **Mastering Zabbix** Andrea Dalle Vacche,2015-09-15 Learn how to monitor your large IT environments using Zabbix with this one stop comprehensive guide to the Zabbix world About This Book Create a tailor made monitoring solution based on your specific needs Learn advanced techniques of Zabbix to monitor networks performances and other critical features in large environments Integrate customize and extend your monitoring solutions with external components and software Who This Book Is For This book is intended for system administrators and IT architects who need to better integrate their Zabbix installation with their surrounding environment A basic working knowledge of Zabbix and Linux is assumed so that the book can focus on how to use every component to its full advantage It will also be helpful to be familiar with programming concepts and languages but if not all the content in the book is thorough and well documented What You Will Learn Efficiently collect data from a large variety of monitoring objects Organize your data in graphs charts maps and slide shows Build intelligent triggers and alarms to monitor your network proactively Write your own custom probes and monitoring scripts to extend Zabbix Configure Zabbix and its database to be high available and fault tolerant Automate repetitive procedures using Zabbix s API Integrate Zabbix with external systems Understand the protocol and how to interact with it by writing your own custom agent In Detail Nowadays monitoring systems play a crucial role in any IT environment They are extensively used to not only measure your system s performance but also to forecast capacity issues This is where Zabbix one of the most popular monitoring solutions for networks and applications comes into the picture With an efficient monitoring system in place you ll be able to foresee when your infrastructure runs under capacity and react accordingly Due to the critical role a monitoring system plays it is fundamental to implement it in the best way from its initial setup This avoids misleading confusing or even worse false alarms which can disrupt an efficient and healthy IT department This new edition will provide you with all the knowledge you need to make strategic and practical decisions about the Zabbix monitoring system The setup you ll do with this book will fit your environment and monitoring needs like a glove You will be guided through the initial steps of choosing the correct size and configuration for your system to what to monitor and how to implement your own custom monitoring component Exporting and integrating your data with other systems is also covered By the end of this book you will have a tailor made and well configured monitoring system and will understand with absolute clarity how crucial it is to your IT environment Style and approach This book is an easy to follow step by step guide to

monitoring network and performance in large environments with Zabbix It is designed for real world Zabbix administrators and is comprised of a perfect mix of theoretical explanations and practical applications making it your perfect companion

Zabbix Cookbook Patrik Uytterhoeven,2015-03-20 If you have some experience with Zabbix and wish to take your infrastructure to the next level then this book is for you Before you start with Zabbix or monitoring in general it is best to have some basic Linux knowledge and a good understanding of snmp virtualization and scripting Mastering MySQL to PostgreSQL Migration Vihaan Kulkarni,2025-11-07 Master the Complete MySQL PostgreSQL Migration Journey From Schema Conversion to Cloud Native AI Augmented Databases Enterprises and developers worldwide are moving from MySQL to PostgreSQL to achieve better scalability analytics integration and cloud native flexibility But a migration is only as good as its precision reliability and ability to modernize not just move data Mastering MySQL to PostgreSQL Migration is your complete hands on blueprint for planning executing and optimizing modern database migrations using today s leading open source and cloud tools including pgloader Debezium CDC Flyway Liquibase pgvector TimescaleDB PostGIS and AWS RDS What You ll Learn Plan and Design Enterprise Grade Migration Architectures Understand assessment workload analysis and phased migration patterns for zero downtime cutovers Automate Schema Data Conversion with Confidence Use pgloader and pg_chameleon to handle schema mapping data type translation and sequence synchronization Implement Real Time Data Streaming with Debezium CDC Configure continuous replication pipelines that keep PostgreSQL in sync with MySQL until final switchover Version and Release Databases Safely Manage schema changes using Flyway and Liquibase in CI CD pipelines for auditable repeatable deployments Optimize PostgreSQL for Modern Workloads Tune indexes partitioning caching and query plans using PgBouncer pganalyze and Prometheus Grafana dashboards Adopt Next Gen Extensions for Analytics and AI Extend your migrated database with pgvector TimescaleDB and PostGIS for vector search time series analytics and geospatial intelligence Perform End to End Hands On Labs Execute full production grade labs with real world examples schema conversion CDC setup zero downtime cutover optimization and AI augmented querying Who This Book Is For Database Administrators DBAs managing enterprise migrations to PostgreSQL Developers and DevOps Engineers integrating PostgreSQL into CI CD and data pipelines Cloud Architects deploying AWS RDS Azure Database for PostgreSQL or Google Cloud SQL environments Data Engineers and AI Practitioners seeking to extend PostgreSQL with vector search and time series analytics Why This Book Stands Out Unlike generic migration manuals this book combines deep technical execution with modern architecture design You ll move beyond lift and shift migrations to mastering observability schema governance CI CD versioning and AI enhanced database features exactly what real production systems demand in 2025 and beyond By the End of This Book You ll have built a fully automated production ready PostgreSQL environment migrated from MySQL with precision validated for consistency optimized for performance and extended with the intelligence of modern PostgreSQL extensions If you re ready to move from outdated relational deployments to a modern scalable AI ready

PostgreSQL platform this is your definitive hands on guide   PostgreSQL Server Programming - Second Edition Usama Dar,Hannu Krosing,Jim Mlodgenski,Kirk Roybal,2015-02-26 This book is for moderate to advanced PostgreSQL database professionals who wish to extend PostgreSQL utilizing the most updated features of PostgreSQL 9 4 For a better understanding of this book familiarity with writing SQL a basic idea of query tuning and some coding experience in your preferred language is expected   Open Source Database Management Systems Source Wikipedia,2013-09 Please note that the content of this book primarily consists of articles available from Wikipedia or other free sources online Pages 64 Chapters MySQL PostgreSQL Berkeley DB Ingres MongoDB Virtuoso Universal Server SQLite Gadfly Apache Cassandra Db4o CouchDB Perst GT M Firebird Database Management Library CUBRID OpenOffice org Base Mnesia Apache Derby Drizzle HSQLDB Membase Keyspace Dataphor Redis H2 MonetDB Habanero NET Terrastore Infobright Sedna Metakit Cdb EnterpriseDB Kexi Dbm Zope Object Database Comparison of database access Maatkit CSQL HBase BlackRay GCstar VoltDB NeoDatis ODB Neo4j EXist Gizzard Hypertable GCfilms Hibari JGnash MariaDB Mozilla Raindrop FlockDB Fyracle TxtSQL LucidDB OpenQM CSQL Cache TreapDB C Store MemcacheDB Rel Tdbengine Shapado ObjectMapper NET MSQL JDBC GNOME DB SmallSQL Druid Excerpt MySQL My S Q L also commonly My Sequel is a relational database management system RDBMS that runs as a server providing multi user access to a number of databases It is named after developer Michael Widenius daughter My The SQL phrase stands for Structured Query Language The MySQL development project has made its source code available under the terms of the GNU General Public License as well as under a variety of proprietary agreements MySQL was owned and sponsored by a single for profit firm the Swedish company MySQL AB now owned by Oracle Corporation Free software open source projects that require a full featured database management system often use MySQL For commercial use several paid editions are available and offer additional functionality Applications which use MySQL databases include Joomla WordPress MyBB phpBB Drupal and other software built on the LAMP software stack MySQL is also used in many high profile large scale World Wide Web products including Wikipedia Google though not for searches and Facebook MySQL is a popular   **Managing Database Management with MongoDB, MySQL, and PostgreSQL** Leonardo Conn,2024-11-04 Managing Database Management with MongoDB MySQL and PostgreSQL is an accessible introduction to three of today s most popular database systems ideal for beginners looking to get a solid start in data management This book covers the fundamentals of each system MongoDB for NoSQL MySQL for relational data and PostgreSQL for versatile data management breaking down key concepts in clear beginner friendly terms Each section provides simple examples and practical exercises allowing you to build a basic understanding of how to set up databases manage data structures and perform essential operations You ll explore how each platform approaches data storage querying and design with real life scenarios to illustrate when each system might be the right fit If you re interested in database management for a personal project or as a starting point in your career Managing Database Management with MongoDB

MySQL and PostgreSQL offers straightforward guidance to help you begin your journey into data management This book serves as a helpful launchpad for understanding these systems making complex ideas easier to grasp for newcomers to the field **The Ultimate Guide to Professional Database Programming with Python and PostgreSQL** Vivian Siahaan,Rismon Hasiholan Sianipar,2019-01-15 Python has various database drivers for PostgreSQL Currently the psycopg is the most popular PostgreSQL database adapter for the Python language The psycopg fully implements the Python DB API 2 0 specification The current version of the psycopg is 2 or psycopg2 The psycopg2 database adapter implemented in C as a libpq wrapper resulting in both fast and secure The psycopg2 provides many useful features such as client side and server side cursors asynchronous notification and communication COPY command support etc PostgreSQL was designed to run on UNIX like platforms However PostgreSQL was then also designed to be portable so that it could run on various platforms such as Mac OS X Solaris and Windows PostgreSQL is free and open source software Its source code is available under PostgreSQL license a liberal open source license You are free to use modify and distribute PostgreSQL in any form PostgreSQL requires very minimum maintained efforts because of its stability Therefore if you develop applications based on PostgreSQL the total cost of ownership is low in comparison with other database management systems In Chapter 2 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 3 you will learn managing table structure and views including postgresql data types postgresql create table postgresql select into statement postgresql create table as using postgresql serial to create auto increment column identity column alter table drop table truncate table check constraint not null constraint foreign key primary key unique constraint managing postgresql views creating updatable views materialized views creating updatable views using the with check option clause and recursive view In Chapter 4 you will learn statements operators and clauses including select order by select distinct limit fetch in between postgresql like is null alias joins inner join postgresql left join self join full outer join cross join natural join group by having intersect operator except operator grouping sets cube and rollup In Chapter 5 you will learn postgresql trigger aggregate and string functions including creating the first trigger in postgresql managing postgresql trigger aggregate functions avg function max function min function sum function postgresql concat function ascii function trim function length function substring function regexp_matches function regexp_replace function replace function to_number function and to_char function *PostgreSQL Replication* Zoltan Böszörmenyi,Hans-Jürgen Schönig,2013 This book has a chapter dedicated to each aspect of replication The new features of PostgreSQL 9 are introduced and there are lots of practical examples and screenshots PostgreSQL Replication is ideal for

PostgreSQL administrators who want to set up and understand replication If you want to make your databases more robust more secure faster and more scalable you will find all the information you need in this single book focusing exclusively on PostgreSQL replication It is assumed that you already have some basic experience with PostgreSQL **Beginning Databases With Mysql** Neil Matthew,2002 **POSTGRESQL FOR JAVA GUI: Database and Image Processing** Vivian Siahaan,Rismon Hasiholan Sianipar,2019-08-27 In this book you will learn how to build from scratch a criminal records management database system using Java PostgreSQL All Java code for digital image processing in this book is Native Java Intentionally not to rely on external libraries so that readers know in detail the process of extracting digital images from scratch in Java There are only three external libraries used in this book Connector J to facilitate Java to MySQL connections JCalendar to display calendar controls and JFreeChart to display graphics Digital image techniques to extract image features used in this book are grascaling sharpening invertering blurring dilation erosion closing opening vertical prewitt horizontal prewitt Laplacian horizontal sobel and vertical sobel For readers you can develop it to store other advanced image features based on descriptors such as SIFT and others for developing descriptor based matching In the first chapter 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 the first chapter 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 the second chapter 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 third chapter you will be taught how to extract image features utilizing BufferedImage class in Java GUI In the fourth chapter you will be taught how to create Crime database and its tables In the fifth chapter 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 the sixth chapter 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 All six fields except keys will have a BLOB data type so that the image of the feature will be directly saved into this table In the seventh chapter 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 the eigthth chapter 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 for you **PostgreSQL 16 Administration Cookbook** Gianni Ciolli,Boriss Mejías,Jimmy Angelakos,Vibhor Kumar,Simon Riggs,2023-12-04 Written by a team of well known PostgreSQL experts this new edition will cover all the latest updates of PostgreSQL 16 including 12 new and improved recipes on logging monitoring security and high performance Purchase of the print or Kindle book includes a free PDF eBook Key Features Skill up as a database administrator by achieving improved query performance backup and recovery management setting up replication and so on Get to grips with the essentials of database management with a recipe based approach using the latest features of PostgreSQL 16 New and updated recipes on crucial PostgreSQL topics like Monitoring Logging Scalability and so on Book DescriptionPostgreSQL has seen a huge increase in its customer base in the past few years and is becoming one of the go to solutions for anyone who has a database specific challenge This PostgreSQL book touches on all the fundamentals of Database Administration in a problem solution format It is intended to be the perfect desk reference guide This new edition focuses on recipes based on the new PostgreSQL 16 release The additions include handling complex batch loading scenarios with the SQL MERGE statement security improvements running Postgres on Kubernetes or with TPA and Ansible and more This edition also focuses on certain performance gains such as query optimization and the acceleration of specific operations such as sort It will help you understand roles ensuring high availability concurrency and replication It also draws your attention to aspects like validating backups recovery monitoring and scaling aspects This book will act as a one stop solution to all your real world database administration challenges By the end of this book you will be able to manage monitor and replicate your PostgreSQL 16 database for efficient administration and maintenance with the best practices from experts What you will learn Discover how to improve batch data loading with the SQL MERGE statement Use logical replication to apply large transactions in parallel Improve your back up and recovery performance with server side compression Tackle basic to high end and real world PostgreSQL challenges with practical recipes Monitor and fine tune your database with ease Learn to navigate the newly introduced features of PostgreSQL 16 Efficiently secure your PostgreSQL database with new and updated features Who this book is for This Postgres book is for database administrators data architects database developers and anyone with an interest in planning and running live production databases using PostgreSQL 16 Those looking for hands on solutions to any problem

associated with PostgreSQL 16 administration will also find this book useful Some experience with handling PostgreSQL databases will help you to make the most out of this book however it is a useful resource even if you are just beginning your Postgres journey   POSTGRESQL FOR PYTHON GUI Vivian Siahaan,Rismon Hasiholan Sianipar,2019-08-15 This book is a Python PostgreSQL version of the Python MySQL book which was written by the author What underlies the writing of this book is the growing popularity of the PostgreSQL database server lately and more and more programmers migrating from MySQL to PostgreSQL In this book you will learn to build a school database project step by step A number of widgets from PyQt will be used for the user interface In the first and second chapter 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 the fourth chapter you will study Creating the initial three table in the School database project Teacher table Class table and Subject table Creating database configuration files Creating a Python GUI for viewing and navigating the contents of each table Creating a Python GUI for inserting and editing tables and Creating a Python GUI to merge and query the three tables In last chapter you will learn Creating the main form to connect all forms Creating a project that will add three more tables to the school database the Student table the Parent table and the Tuition table Creating a Python GUI to view and navigate the contents of each table Creating a Python GUI for editing inserting and deleting records in each table Create a Python GUI to merge and query the three tables and all six tables   **Choosing a Data Platform: PostgreSQL, MySQL, Mongo, and Cloud** Amataverna Lee,2021 There are a lot of different databases out there with their own pros and cons It s important to know what your options are In this course instructor Amataverna Lee covers PostgreSQL MySQL Mongo a NoSQL database and several cloud based databases to help you choose what will be best for you You re likely to encounter PostgreSQL in your career so it s important to be familiar with this type of database and how it differs from other types MySQL is one of the most popular SQL dialects used today so this is another important one to understand Amataverna introduces you to Mongo a nonrelational database that does not use SQL and shows you some tools that you would need to use in Mongo She also goes over several popular cloud based options Snowflake Snowsight Amazon Web Services Redshift and S3 and Google Cloud Platform With an understanding of these options you can make a more informed choice on what is best for you   Learn PostgreSQL Luca Ferrari (Computer scientist),Enrico Pirozzi,2023 The latest edition of this PostgreSQL book will help you to start using PostgreSQL from absolute scratch helping you to quickly understand the internal workings of the database With a structured approach and practical examples go on a journey that covers the basics from SQL statements and how to run server side programs to configuring managing securing and

optimizing database performance This new edition will not only help you get to grips with all the recent changes within the PostgreSQL ecosystem but will also dig deeper into concepts like partitioning and replication with a fresh set of examples The book is also equipped with Docker images for each chapter which makes the learning experience faster and easier Starting with the absolute basics of databases the book sails through to advanced concepts like window functions logging auditing extending the database configuration partitioning and replication It will also help you seamlessly migrate your existing database system to PostgreSQL and contains a dedicated chapter on disaster recovery Each chapter ends with practice questions to test your learning at regular intervals By the end of this book you will be able to install configure manage and develop applications against a PostgreSQL database

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Which Database Is Better For Zabbix Postgresql Vs Mysql Introduction

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