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White Papers. Microsoft SQL Server OLTP Scale up and the Hewlett Packard Enterprise Integrity Superdrome X. This white paper, written by Scalability Experts, is geared toward IT decision makers and technical staffs that have been tasked to uncover ways to create IT savings while at the same time modernize their IT operations.

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## *White Papers - Scalability Experts Resource Center*

This white paper is a joint effort by Microsoft and Dell to demonstrate the scalability of Microsoft SQL Server™ 2000 and Dell hardware. SQL Server 2000 running on a Dell enterprise eight-way server can support thousands of databases, and their users, while providing the performance necessary to allow for centralization.

## *Microsoft SQL Server Scalability Project White Paper 1 ...*

Microsoft SQL Server AlwaysOn Solutions Guide for High Availability and Disaster Recovery. This white paper discusses how to reduce planned and unplanned downtime, maximize application availability, and provide data protection using SQL Server 2012

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AlwaysOn high availability and disaster recovery solutions.

*White Paper Gallery for SQL Server - TechNet Articles ...*

To ensure this is a balanced and well considered decision I am trying to find (without much luck) any white papers or equivalents Microsoft has regarding the scalability testing undertaken for SQL 2012 and real world, large, low latency and high transaction deployments.

*SQL 2012 Scalability 'White Papers' by Microsoft*

White Paper: VMware vSAN for Microsoft SQL Server 4 © 2019 by The Enterprise Strategy Group, Inc. All Rights Reserved. are performance, security, reliability, cost (ROI/TCO), scalability, and flexibility (see Figure 1).<sup>3</sup> These attributes align quite well with the

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benefits organizations are realizing since leveraging HCI technology.

## *White Paper VMware vSAN for Microsoft SQL Server*

This white paper, authored by MCM Robert L Davis, is a guide to the 5 most common things that might be causing your SQL Server to run more slowly than it should. These are issues that, once addressed, will allow your SQL Server instances to run faster.

## *Learn / White Papers - PASS*

This white paper provides an overview for just some of the performance tuning and scalability options available. Pentaho Business Analytics Server Pentaho Business Analytics server (see Figure 1) is a web application for creating, accessing and sharing

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reports, analysis and dashboards.

## *Performance and Scalability Overview - Hitachi Vantara*

these improvements concretely is the topic of this paper. The remainder of this paper is organized as follows: Section 2 discusses the state-of-the-art. Section 3 summarizes existing SQL Server features that we exploited to build Socrates. Section 4 explains the Socrates architecture. Section 5 gives

## *Socrates: The New SQL Server in the Cloud*

WHITE PAPER: The explosion of big data is a challenge many companies are trying to tackle, and tools like SQL Server's Big Data Clusters Architecture can handle data of that scale. Read this white paper to learn how QCT and Intel are providing rack-level

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systems and solutions that allow your company to process big data better and with greater ease.

*SQL Server White Papers ( Microsoft SQL Server, Yukon ...*  
somewhere, and one of the most popular options is Microsoft SQL Server. Ensuring that SQL Server is highly available is one core tenet of mission critical, along with other concepts like performance and scalability. Deploying SQL Server properly will ensure that it achieves the availability, scalability, and reliability that required to be

*Planning Highly Available, Mission Critical SQL Server ...*  
White papers. Quick reads on key cloud topics such as cloud security, hybrid clouds, and the economic benefits of cloud

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adoption. Intelligent Manufacturing made easy with Microsoft Azure; Azure Stack HCI Overview white paper; Securing Azure environments with Azure Active Directory

## *White Papers, Reports, and E-Books / Microsoft Azure*

This white paper is intended for customers who are interested in deploying Microsoft SQL Server Always On availability groups in Oracle Cloud Infrastructure to meet enterprise-class database service availability and security requirements.

*Deploying Microsoft SQL Server Always On Availability Groups*  
Scalability Experts' expertise and commitment to SQL Server is evident from the sheer amount of knowledge contained in the workshop. New features were discussed, and helpful information

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was learned from real projects. Thanks to Scalability Experts, our team is now confidently moving forward to leverage SQL Server within our workplace.

## *A Strong Global Presence - Scalability Experts*

Manage SQL Server High Availability, Scalability and Reliability. Learn to apply best practices and optimize your operations. SQL Server performance tuning best practices for DBAs. Tuning database performance is a complex process, but consultant Joey D'Antoni details a list of SQL Server performance tuning best practices that can make it easier.

## *SQL Server High Availability, Scalability and Reliability ...*

This white paper describes the goals, methodology and detailed

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results of this performance benchmark. Performance and Scalability – Bandwidth Utilization Improvements Microsoft Dynamics CRM showed network utilization improvements of up to 94% in version 4.0. This white paper details the test results comparing version 3.0 to 4.0.

Design and configure SQL Server instances and databases in support of high-throughput applications that are mission-critical and provide consistent response times in the face of variations in user numbers and query volumes. Learn to configure SQL Server and design your databases to support a given instance and workload. You'll learn advanced configuration options, in-memory

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technologies, storage and disk configuration, and more, all toward enabling your desired application performance and throughput. Configuration doesn't stop with implementation. Workloads change over time, and other impediments can arise to thwart desired performance. High Performance SQL Server covers monitoring and troubleshooting to aid in detecting and fixing production performance problems and minimizing application outages. You'll learn a variety of tools, ranging from the traditional wait analysis methodology to the new query store, and you'll learn how improving performance is really an iterative process. High Performance SQL Server is based on SQL Server 2016, although most of its content can be applied to prior versions of the product. This book is an excellent complement to performance tuning books focusing on SQL queries, and provides the other half of what you

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need to know by focusing on configuring the instances on which mission-critical queries are executed. Covers SQL Server instance-configuration for optimal performance Helps in implementing SQL Server in-memory technologies Provides guidance toward monitoring and ongoing diagnostics What You Will Learn Understand SQL Server's database engine and how it processes queries Configure instances in support of high-throughput applications Provide consistent response times to varying user numbers and query volumes Design databases for high-throughput applications with focus on performance Record performance baselines and monitor SQL Server instances against them Troubleshoot and fix performance problems Who This Book Is For SQL Server database administrators, developers, and data architects. The book is also of use to system administrators who are

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managing and are responsible for the physical servers on which SQL Server instances are run.

Teach yourself how to build, manage, and access SQL Server 2008 reports—one step at a time. Whether you're a report developer, IT administrator, or business user, this sequential, learn-by-doing tutorial shows you how to deliver the business intelligence information your organization needs. Discover how to: Install and configure Reporting Services Put Report Builder and Report Designer tools to work Create interactive, online reports that enable users to sort and filter data Add charts and gauges to present data visually Deploy reports to Microsoft Office SharePoint Server Monitor server performance and help secure content Use subscriptions to distribute reports via e-mail Build ad hoc reports

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and extend them with custom code CD features: Practice exercises and code samples Fully searchable eBook For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

As your essential guide to Microsoft's new SQL Server 2005 certification (exam 70-442), this book offers you practical and in-depth coverage. Full coverage of all exam objectives is presented in a systematic approach so you can be confident you're getting the instruction you need for the exam. Plus, practical hands-on exercises reinforce critical skills and real-world scenarios put what you've learned in the context of actual job roles. Finally, challenging review questions in each chapter prepare you for exam day.

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Identify and fix causes of poor performance. You will learn Query Store, adaptive execution plans, and automated tuning on the Microsoft Azure SQL Database platform. Anyone responsible for writing or creating T-SQL queries will find valuable the insight into bottlenecks, including how to recognize them and eliminate them. This book covers the latest in performance optimization features and techniques and is current with SQL Server 2017. If your queries are not running fast enough and you're tired of phone calls from frustrated users, then this book is the answer to your performance problems. SQL Server 2017 Query Performance Tuning is about more than quick tips and fixes. You'll learn to be proactive in establishing performance baselines using tools such as Performance Monitor and Extended Events. You'll recognize bottlenecks and

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defuse them before the phone rings. You'll learn some quick solutions too, but emphasis is on designing for performance and getting it right. The goal is to head off trouble before it occurs.

What You'll Learn

- Use Query Store to understand and easily change query performance
- Recognize and eliminate bottlenecks leading to slow performance
- Deploy quick fixes when needed, following up with long-term solutions
- Implement best practices in T-SQL to minimize performance risk
- Design in the performance that you need through careful query and index design
- Utilize the latest performance optimization features in SQL Server 2017
- Protect query performance during upgrades to the newer versions of SQL Server

Who This Book Is For

Developers and database administrators with responsibility for application performance in SQL Server environments.

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creating T-SQL queries will find valuable the insight into bottlenecks, including how to recognize them and eliminate them.

Queries not running fast enough? Tired of the phone calls from frustrated users? Grant Fritchey's book *SQL Server 2012 Query Performance Tuning* is the answer to your SQL Server query performance problems. The book is revised to cover the very latest in performance optimization features and techniques. It is current with SQL Server 2012. It provides the tools you need to approach your queries with performance in mind. *SQL Server 2012 Query Performance Tuning* leads you through understanding the causes of poor performance, how to identify them, and how to fix them. You'll learn to be proactive in establishing performance baselines using tools like Performance Monitor and Extended Events. You'll

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learn to recognize bottlenecks and defuse them before the phone rings. You'll learn some quick solutions too, but emphasis is on designing for performance and getting it right, and upon heading off trouble before it occurs. Delight your users. Silence that ringing phone. Put the principles and lessons from SQL Server 2012 Query Performance Tuning into practice today. Establish performance baselines and monitor against them Troubleshoot and eliminate bottlenecks that frustrate users Plan ahead to achieve the right level of performance

This new edition of the bestselling guide to a critical SQL server task teaches tools, techniques, and best practices readers can use to

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tune SQL Server 2000's configuration and operation, and learn how to enhance performance through good physical design, effective internal storage structures, and controlling SQL Server's new query optimizer.

SQL Server 2008 Query Performance Tuning Distilled presents a direct trouble-shooting methodology for identifying poorly-performing stored procedures and queries, isolating the causes of that poor performance, and fixing the underlying problems. Each chapter is dedicated to one of the top causes of poorly performing queries and shows methods for identifying and dealing with the problems in that chapter's domain. Emphasis is always put upon or placed upon practical methods that you can put to immediate use in your day-to-day work. SQL Server 2008 functionality, tips, and

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tricks are emphasized in each subject area. Emphasizes the practical. Does not bury readers in theory. Gives readers practical techniques to immediately apply in their daily work. Dedicates a chapter to each of the most common, performance-related problem areas.

This book is a deep dive into perhaps the single-most important facet of good performance: indexes, and how to best use them. The book begins in the shallow waters with explanations of the types of indexes and how they are stored in databases. Moving deeper into the topic, and further into the book, you will look at the statistics that are accumulated both by indexes and on indexes. You'll better understand what indexes are doing in the database and what can be done to mitigate and improve their effect on performance. The final

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destination is a guided tour through a number of real life scenarios showing approaches you can take to investigate, mitigate, and improve the performance of your database. Defines the types of indexes and their implementation options Provides use cases and common patterns in applying indexing Describes and explain the index metadata and statistics Provides a framework of strategies and approaches for indexing databases

Take a deep dive into perhaps the single most important facet of good performance: indexes, and how to best use them. Recent updates to SQL Server have made it possible to create indexes in situations that in the past would have prevented their use. Other improvements covered in this book include new dynamic management views, the ability to pause and resume index

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maintenance, and the ability to more easily recover from failures during index creation and maintenance operations. This new edition also brings new content around the indexing of columnstore and in-memory tables, showing how these new types of tables and the queries that execute against them can also benefit from good indexing practices. The book begins with explanations of the types of indexes and how they are stored in databases. Moving deeper into the topic, and further into the book, you will look at the statistics that are accumulated both by indexes and on indexes. You will better understand what indexes are doing in the database and what can be done to mitigate and improve their effect on performance. You will get a look at the Index Advisor now available in Azure SQL Database, and learn how to review and maintain the health of your indexes. The final chapters present a

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guided tour through a number of scenarios showing approaches you can take to investigate, mitigate, and improve the performance of your database. What You Will Learn Properly index row store, columnstore, and in-memory tables Review statistics to understand indexing choices made by the optimizer Apply indexing strategies such as covering indexes, included columns, and index intersections Recognize and remove unnecessary indexes Design effective indexes for full-text, spatial, and XML data types Manage the big picture: Encompass all indexes in a database, and all database instances on a server Who This Book Is For Database administrators and developers who are ready to lift the performance of their database environment by thoughtfully building indexes to speed up queries that matter the most and make a difference to the business

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