

# Oracle Database Performance And Scalability A Quantitative Approach

Improving .NET Application Performance and Scalability Java Performance and Scalability Java Message Service Improving .Net Application Performance And Scalability Patterns & Practices Java Message Service Software Performance and Scalability Java Performance and Scalability: Server-side programming techniques Scaling for E-business Handbook of Research on Cloud Computing and Big Data Applications in IoT Cloud Computing Oracle Database Performance and Scalability WebSphere Application Server V8.5 Concepts, Planning, and Design Guide IBM WebSphere Application Server V8 Concepts, Planning, and Design Guide The Vendor Management Office: Unleashing the Power of Strategic Sourcing An Approach for Guiding Developers to Performance and Scalability Solutions Maximizing Performance and Scalability with IBM WebSphere Design, Performance and Scalability of the Distributed Enterprise Systems 13th International Parallel Processing Symposium & 10th Symposium on Parallel and Distributed Processing The Data Access Handbook Active Technologies for Network and Service Management Dr Henry H Liu Mark Richards Rico Mariani David A Chappell Henry H. Liu Dov Bulka Daniel A. Menascé Gupta, B. B. Lizhe Wang Henry H. Liu Carla Sadtler Margaret Ticknor Stephen Guth Heger, Christoph Adam Neat Janusz S. Kowalik IEEE Computer Society. Technical Committee on Parallel Processing John Goodson

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integrate proven performance and scalability techniques throughout the net application life cycle and gain an edge in building better performing products this guide presents a robust framework organized by task and role helping developers architects testers and administrators prioritize and implement the best options at the appropriate time it offers focused end to end guidance including processes for modeling performance and techniques for measuring testing and fine tuning your applications you ll also get tips direct from microsoft development teams for improving the performance and scalability of managed code microsoft asp net ado net and sql server services net remoting xml and more the book features a how to section that details the steps for a number of specific performance related tasks such as adding performance counters and using the common language runtime clr profiler patterns practices guides are reviewed and approved by microsoft engineering teams consultants partners and customers delivering accurate real world information that s been technically validated and tested

written in henry liu s clear concise style java application performance and scalability gets right to the point with clearly explained concepts most pertinent theories precise step by step procedures and large volume of illustrative charts and tables with highly reliable data supporting behind you gain quickly the necessary knowledge and skills for being able to cope with java application performance and scalability issues without having to resort to more experienced professionals or expensive external consultants specifically it helps you learn the following knowledge and skills that are essential for you to become more effective in contributing to the success of your organization what you need to know at minimum about the architecture of modern hardware so that you can make smart decisions on when you should pour your time on your application and when you can just throw in more advanced hardware to get by what you need to know about garbage collection theories in general and how they are implemented with widely used java virtual machines like hotspot jvms precise methodologies procedures and programs that you can start to use immediately to help you profile and

tune your java applications how you can design and build performance and scalability into your product proactively without having to face tough retrofitting decisions or even torrents of customer escalations later on in addition the book contains interesting data for your reference associated with oops compression cms garbage collection tuning doescapeanalysis g1 versus cms comparison etc all based on full scale rigorous performance and scalability tests with real products

java message service second edition is a thorough introduction to the standard api that supports messaging the software to software exchange of crucial data among network computers you ll learn how jms can help you solve many architectural challenges such as integrating dissimilar systems and applications increasing scalability eliminating system bottlenecks supporting concurrent processing and promoting flexibility and agility updated for jms 1.1 this second edition also explains how this vendor agnostic specification will help you write messaging based applications using ibm s mq progress software s sonicmq activemq and many other proprietary messaging services with java message service you will build applications using point to point and publish and subscribe messaging models use features such as transactions and durable subscriptions to make an application reliable implement messaging within enterprise javabeans ejb using message driven beans use jms with restful applications and with the spring application framework messaging is a powerful paradigm that makes it easier to uncouple different parts of an enterprise application java message service second edition will quickly teach you how to use the key technology that lies behind it

this book is a thorough introduction to java message service jms the standard java application program interface api from sun microsystems that supports the formal communication known as messaging between computers in a network jms provides a common interface to standard messaging protocols and to special messaging services in support of java programs the messages exchange crucial data between computers rather than between users information such as event notification and service requests messaging is often used to coordinate programs in dissimilar systems or written in different programming languages using the jms interface a programmer can invoke the messaging services of ibm s mqseries progress software s sonicmq and other popular messaging product vendors in addition jms supports messages that contain serialized java objects and messages that contain extensible markup language xml pages messaging is a powerful new paradigm that makes it easier to uncouple different parts of an enterprise application messaging clients work by sending messages to a message server which is responsible for delivering the messages to their destination

message delivery is asynchronous meaning that the client can continue working without waiting for the message to be delivered the contents of the message can be anything from a simple text string to a serialized java object or an xml document java message service shows how to build applications using the point to point and publish and subscribe models how to use features like transactions and durable subscriptions to make an application reliable and how to use messaging within enterprise java beans it also introduces a new ejb type the messagedrivenbean that is part of ejb 2.0 and discusses integration of messaging into j2ee

praise from the reviewers the practicality of the subject in a real world situation distinguishes this book from others available on the market professor behrouz far university of calgary this book could replace the computer organization texts now in use that every cs and cpe student must take it is much needed well written and thoughtful professor larry bernstein stevens institute of technology a distinctive educational text on software performance and scalability this is the first book to take a quantitative approach to the subject of software performance and scalability it brings together three unique perspectives to demonstrate how your products can be optimized and tuned for the best possible performance and scalability the basics introduces the computer hardware and software architectures that predetermine the performance and scalability of a software product as well as the principles of measuring the performance and scalability of a software product queuing theory helps you learn the performance laws and queuing models for interpreting the underlying physics behind software performance and scalability supplemented with ready to apply techniques for improving the performance and scalability of a software system api profiling shows you how to design more efficient algorithms and achieve optimized performance and scalability aided by adopting an api profiling framework perfbasic built on the concept of a performance map for drilling down performance root causes at the api level software performance and scalability gives you a specialized skill set that will enable you to design and build performance into your products with immediate measurable improvements complemented with real world case studies it is an indispensable resource for software developers quality and performance assurance engineers architects and managers it is an ideal text for university courses related to computer and software performance evaluation and can also be used to supplement a course in computer organization or in queuing theory for upper division and graduate computer science students

please provide description

this book presents analysis techniques for quantifying and projecting every element of your e business site s performance and planning for the capacity you need

today cloud computing big data and the internet of things iot are becoming indubitable parts of modern information and communication systems they cover not only information and communication technology but also all types of systems in society including within the realms of business finance industry manufacturing and management therefore it is critical to remain up to date on the latest advancements and applications as well as current issues and challenges the handbook of research on cloud computing and big data applications in iot is a pivotal reference source that provides relevant theoretical frameworks and the latest empirical research findings on principles challenges and applications of cloud computing big data and iot while highlighting topics such as fog computing language interaction and scheduling algorithms this publication is ideally designed for software developers computer engineers scientists professionals academicians researchers and students

cloud computing has created a shift from the use of physical hardware and locally managed software enabled platforms to that of virtualized cloud hosted services cloud assembles large networks of virtual services including hardware cpu storage and network and software resources databases message queuing systems monitoring systems and load balancers as cloud continues to revolutionize applications in academia industry government and many other fields the transition to this efficient and flexible platform presents serious challenges at both theoretical and practical levels ones that will often require new approaches and practices in all areas comprehensive and timely cloud computing methodology systems and applications summarizes progress in state of the art research and offers step by step instruction on how to implement it summarizes cloud developments identifies research challenges and outlines future directions ideal for a broad audience that includes researchers engineers it professionals and graduate students this book is designed in three sections fundamentals of cloud computing concept methodology and overview cloud computing functionalities and provisioning case studies applications and future directions it addresses the obvious technical aspects of using cloud but goes beyond exploring the cultural social and regulatory legal challenges that are quickly coming to the forefront of discussion properly applied as part of an overall it strategy cloud can help small and medium business enterprises smes and governments in optimizing expenditure on application hosting infrastructure this material outlines a strategy for using cloud to exploit opportunities in areas including but

not limited to government research business high performance computing web hosting social networking and multimedia with contributions from a host of internationally recognized researchers this reference delves into everything from necessary changes in users initial mindset to actual physical requirements for the successful integration of cloud into existing in house infrastructure using case studies throughout to reinforce concepts this book also addresses recent advances and future directions in methodologies taxonomies iaas saas data management and processing programming models and applications

the innovative performance and scalability features with each newer edition of the oracle database system can present challenges for users this book teaches software developers and students how to effectively deal with oracle performance and scalability issues throughout the entire life cycle of developing oracle based applications using real world case studies to deliver key theories and concepts the book introduces highly dependable and ready to apply performance and scalability optimization techniques augmented with top 10 oracle performance and scalability features as well as a supplementary support website

this ibm redbooks publication provides information about the concepts planning and design of ibm websphere application server v8 5 environments the target audience of this book is it architects and consultants who want more information about the planning and design of application serving environments from small to large and complex implementations this book addresses the packaging and features in websphere application server and highlights the most common implementation topologies it provides information about planning for specific tasks and components that conform to the websphere application server environment also in this book are planning guidelines for websphere application server and websphere application server network deployment on distributed platforms it also includes guidelines for websphere application server for ibm z os this book contains information about migration considerations when moving from previous releases this book has been updated with the new features introduced with websphere application server v8 5 5

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negotiating the lowest possible price is no longer enough internal customers now demand more they need business advice guidance and expertise to manage their sourcing requirements they need an organization that focuses less on price and more on the value that vendors can provide the organizational key to unleash the potential of strategic sourcing is the vendor management office or vmo it is an over arching organizational concept of strategically managing procurements and vendors resulting from over 10 years of real life experience implementing vmos this book introduces the concept of a vmo and the philosophy that cost is not always a factor the book is intended to be much more than conceptual concrete and practical tools considered necessary to launch a newly formed vmo are explored in detail appendices contain materials that can be easily adapted for use by any vmo if you are interested in implementing a vmo or you are interested in vendor management as a career this book is for you

the quality of enterprise software applications plays a crucial role for the satisfaction of the users and the economic success of the enterprises software applications with unsatisfying performance and scalability are perceived by its users as low in quality as less interesting and less attractive and cause frustration when preventing the users from attaining their goals this book proposes an approach for a recommendation system that enables developers who are novices in software perform

describes the ibm websphere versions 4 0 and 5 0 architecture from a nuts and bolts level giving visibility to the technology and underlying websphere platform design describes how to proactively manage the performance of an ibm websphere v4 or v5 platform thorough descriptions of tuning websphere with performance and robustness in mind teaches the reader how to develop custom ibm websphere performance monitoring and management tools

enterprise systems supporting business processes in large companies and organizations are critical for their business survival and expensive to build and run this book describes successful approaches to designing and

tuning for performance large enterprise systems in contrast to earlier mainframes the modern distributed systems contain large numbers of components and simple capacity planning methods applicable to mainframes cannot be used for design or tuning of complex distributed systems methods that have proven to be successful are based on building predictive models that take into account key characteristics of hardware software data and communications

contains 113 papers presented at the april 1999 meetings arrangement is in 21 sections covering such topics as algorithmic paradigms and primitives latency tolerance and performance modeling communication run time systems scalable computing communication and protocols for clusters communication libraries routing and broadcasting miscellaneous architecture advanced software for applications support scientific engineering systems signal processing data mining and databases and biological and discrete systems also included are abstracts of the panel discussions and the two keynote addresses from each of the symposiums no subject index annotation copyrighted by book news inc portland or

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