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# Sap Performance Optimization Guide

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SAP Business ByDesign Studio

Move your business data to the cloud

Analyzing and Tuning SAP Systems

MongoDB Performance Tuning

SAP R/3 Performance Optimization

MySAP Toolbag for Performance Tuning and  
Stress Testing

SAP on Azure Implementation Guide

SQLScript for SAP HANA

application development

SAP BW Performance Optimization Guide

Introduction to ABAP/4 Programming for SAP

The Comprehensive Guide

SAP CRM Middleware Optimization Guide

Analyzing and Tuning SAP Systems

Sybase Performance Tuning

The Official SAP Guide

Dynamics AX Performance Optimization Guide

SAP System Landscape Optimization

Managing SAP ERP 6.0 Upgrade Projects

SAP Basis Administration Handbook, NetWeaver  
Edition

Improving SAP HANA Performance

IBM Power Systems Performance Guide:

Implementing and Optimizing

ABAP Performance Tuning

Administration and Performance Optimization

SAP Database Administration with Oracle  
Optimizing MongoDB Databases and their  
Applications  
Performance Optimization and Tuning Techniques  
for IBM Power Systems Processors Including IBM  
POWER8  
SAP Performance Optimization Guide  
SAP BW  
PlanViz  
Mastering SAP NetWeaver PI - Administration  
Inventory Management and Optimization in SAP  
ERP  
SAP HANA 2.0 Security Guide  
SAP Administration - Practical Guide  
SAP Performance Optimization Guide  
SAP S/4HANA System Conversion Guide  
SAP Solution Manager  
Practical Guide  
SAP Performance Optimization Guide

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## **ALEXIS HOWARD**

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IBM Redbooks  
Implement a powerful  
end-to-end SAP  
administration solution  
Get peak performance  
from your SAP ERP  
infrastructure using the  
detailed

implementation,  
maintenance, and  
support information in  
this comprehensive  
resource. SAP Basis  
Administration  
Handbook, NetWeaver  
Edition delivers  
integrated  
management  
strategies covering  
both ABAP and Java

stacks. Discover how to deploy components, accurately size throughout, configure Oracle databases, back up your system, and repair performance problems. Career trends, certification requirements, and marketable SAP Basis skills are also discussed in this practical guide.

**Essential Skills for SAP Professionals: Plan, prepare, and install SAP NetWeaver Application Server Set up, configure, and troubleshoot Java and ABAP stacks Establish server infrastructure and efficiently balance workloads Incorporate transport management and software logistics Resolve performance issues and startup problems Access SAP support infrastructure through SAP Service**

Marketplace Manage and back up Oracle databases using BR\*TOOLS Perform system copies, stack upgrades, and OS/DB migrations

*SAP Business ByDesign Studio* SAP PRESS

Performance issues slowing you down? Get your SAP HANA system up to speed with this book on PlanViz!

Discover how to utilize PlanViz to retrieve information on the runtime of specific queries and pinpoint bottlenecks in your system for data model optimization. Armed with features like plan trace, timeline view, operator list, performance trace, and more, you'll learn how to make your SAP HANA system run faster than ever before!

**Move your business**

**data to the cloud**

Course Technology  
 SAP Performance  
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 SystemsSAP  
 Performance  
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*Analyzing and Tuning  
 SAP Systems* IBM  
 Redbooks  
 Following on the  
 success of Developing  
 SAP's R/3 Applications  
 with ABAP/4, SAP and  
 Sybex have joined  
 forces to deliver a full  
 series of practical  
 guides on the most  
 pressing topics.  
 Written by SAP authors  
 with SAP technical  
 endorsement, these  
 books are perfect for IT  
 managers, consultants,

administrators,  
 implementers, and  
 many other computing  
 professionals.  
[MongoDB Performance  
 Tuning SAP](#)  
 Performance  
 Optimization  
 GuideAnalyzing and  
 Tuning SAP Systems  
 Use this fast and  
 complete guide to  
 optimize the  
 performance of  
 MongoDB databases  
 and the applications  
 that depend on them.  
 You will be able to  
 turbo-charge the  
 performance of your  
 MongoDB applications  
 to provide a better  
 experience for your  
 users, reduce your  
 running costs, and  
 avoid application  
 growing pains.  
 MongoDB is the world's  
 most popular  
 document database  
 and the foundation for  
 thousands of mission-

critical applications. This book helps you get the best possible performance from MongoDB. MongoDB Performance Tuning takes a methodical and comprehensive approach to performance tuning that begins with application and schema design and goes on to cover optimization of code at all levels of an application. The book also explains how to configure MongoDB hardware and cluster configuration for optimal performance. The systematic approach in the book helps you treat the true causes of performance issues and get the best return on your tuning investment. Even when you're under pressure and don't know where

to begin, simply follow the method in this book to set things right and get your MongoDB performance back on track. What You Will Learn Apply a methodical approach to MongoDB performance tuning Understand how to design an efficient MongoDB application Optimize MongoDB document design and indexing strategies Tune MongoDB queries, aggregation pipelines, and transactions Optimize MongoDB server resources: CPU, memory, disk Configure MongoDB Replica sets and Sharded clusters for optimal performance Who This Book Is For Developers and administrators of high-performance MongoDB applications who want

to be sure they are getting the best possible performance from their MongoDB system. For developers who wish to create applications that are fast, scalable, and cost-effective. For administrators who want to optimize their MongoDB server and hardware configuration.

### SAP R/3 Performance

#### Optimization SAP

PRESS

- Understand the Basis system's inner workings to quickly address critical situations
- Get step-by-step instructions and practical tips on administration
- Explore new information on SAP Solution Manager 7.1, enhancement packages, and the new monitoring infrastructure
- 4th

edition, updated and expanded. In the fourth edition of this flagship reference, you'll find updated, expanded, and revised information of the most important administration topics for SAP NetWeaver Application Server ABAP. From getting started with the system, to client administration and authorization concepts, to system monitoring, you'll find all administration tools and practical instructions to optimally configure your system. This book is an essential companion for your daily work. All Concepts Explained. Learn everything you need to know about the functioning of SAP Basis. After reading this book, SAP specifics

such as work processes, authorizations, and monitoring will no longer baffle you. Tools in Practical UseGet to know the function and handling of all administration tools, which includes SAP NetWeaver Administrator, DBA Cockpit, transport tools, and many more. Concrete Instructions Reproduce the most essential administrator tasks, based on detailed descriptions and comprehensive screenshots. Tips from SAP Support Experts Gear up for critical situations, and benefit from the day-to-day experience that the authors gained in many years of working in SAP support. New in this Edition Expand your knowledge with

this new edition. It now includes sections on SAP Solution Manager 7.1, Monitoring and Alert Infrastructure, System Landscape Directory, and CTS+. Highlights • SAP NetWeaver AS ABAP architecture • Dialog and background processing • Accounting and lock management • Setting up a system landscape • Client administration • SAP clients, users, and authorizations administration • Software logistics and instance maintenance • System monitoring • SAP Solution Manager [MySAP Toolbag for Performance Tuning and Stress Testing](#) IBM Redbooks With this hands-on guide to SAP Solution Manager (SolMan) 7.2, you'll find everything

you need to maintain your SAP landscape. -- [SAP on Azure Implementation Guide](#)  
Galileo PressInc  
"New to SQLScript-or maybe looking to brush up on a specific task? Whatever your skill level, this comprehensive guide to SQLScript for SAP HANA is for you! Master language elements, data types, and the function library. Learn to implement SAP HANA database procedures and functions using imperative and declarative SQLScript. Integrate with ABAP, SAP BW on SAP HANA, and SAP BW/4HANA. Finally, test, troubleshoot, and analyze your SQLScript programs. Code like the pros!"--  
*SQLScript for SAP HANA* SAP PRESS

This book provides project managers and project team members with comprehensive information on upgrade projects to SAP ERP 6.0. You'll learn everything you need to decide whether an upgrade is the right option for your organization, and you'll find all information necessary to prepare, manage, and execute an upgrade project, while avoiding costly mistakes. After explaining the SAP tools and services for determining the value of an upgrade, the author details the tasks of the individual project phases. You'll explore how to schedule the project, and how to estimate costs and risks. You'll also learn how to build the project team and organize test cycles,



plus, how to plan for a smooth cutover. And, of course, upgrade execution is also dealt with extensively: Managing the system landscape while minimizing downtime shouldn't give you much trouble after reading this book. In addition, SAP Solution Manager, the technical upgrade tools, testing tools, services and more are covered in a separate tools chapter. This invaluable resource is nicely complemented by a collection of detailed customer case studies.

*application development* SAP PRESS

Enter the fast-paced world of SAP HANA 2.0 with this introductory guide. Begin with an exploration of the technological backbone of SAP HANA as a

database and platform. Then, step into key SAP HANA user roles and discover core capabilities for administration, application development, advanced analytics, security, data integration, and more. No matter how SAP HANA 2.0 fits into your business, this book is your starting point. In this book, you'll learn about:

- Technology Discover what makes an in-memory database platform. Learn about SAP HANA's journey from version 1.0 to 2.0, take a tour of your technology options, and walk through deployment scenarios and implementation requirements.
- Tools Unpack your SAP HANA toolkit. See essential tools in action, from

SAP HANA cockpit and SAP HANA studio, to the SAP HANA Predictive Analytics Library and SAP HANA smart data integration.

#### c. Key Roles

Understand how to use SAP HANA as a developer, administrator, data scientist, data center architect, and more. Explore key tasks like backend programming with SQLScript, security setup with roles and authorizations, data integration with the SAP HANA Data Management Suite, and more. Highlights include: 1) Architecture 2) Administration 3) Application development 4) Analytics 5) Security 6) Data integration 7) Data architecture 8) Data center  
*SAP BW Performance*

#### *Optimization Guide*

Prentice Hall  
Meet your BI needs with SAP S/4HANA embedded analytics! Explore the system architecture and data model and learn how to perform analytics on live transactional data. Business user? Walk step-by-step through SAP Smart Business KPIs, dashboards, and multidimensional reporting. Analytics specialist? Master the virtual data model and report creation. Jack of all trades? Create CDS views, apply custom fields and logic, and learn to integrate SAP S/4HANA with SAP Analytics Cloud. This is your complete guide to SAP S/4HANA embedded analytics! Highlights include: 1) Architecture 2) Virtual data model (VDM) 3) CDS views 4) SAP Fiori

apps 5) SAP Smart Business 6) Key performance indicators (KPIs) 7) Dashboards 8) Reporting 9) Data warehousing 10) SAP Analytics Cloud 11) Machine learning  
*Introduction to ABAP/4 Programming for SAP*  
SAP PRESS

This book provides administrators with essential information on Oracle databases as well as their interaction with SAP systems. First, you'll learn how best to plan or extend an effective, secure system landscape. The authors show you how to analyze and optimize the performance of hardware, operating system, database, and SAP system as well as which parameters and tools you can use to monitor them. An entire chapter deals

with the critical aspects of backup, recovery, and restore, describing different data backup concepts, BR\*Tools, the Oracle Recovery Manager, and various backup strategies in detail. In addition, the authors tackle advanced topics, such as Java and SAP NetWeaver BI. By bridging the gap between basic background knowledge and real-life instruction, this book assists you in solving concrete administration problems, structuring the operation of your system to achieve higher performance, and improving data security and availability.

The Comprehensive Guide Galileo PressInc  
As the core middleware in your system

landscape, SAP NetWeaver PI plays an enterprise-critical role. But how can you ensure smooth operation? This book answers your questions. Using a highly detailed scenario as an example, the authors guide you through all administration tasks and provide useful tips for your daily work.

**Basic Configuration**  
Learn which of the numerous parameters are relevant for the configuration of SAP NetWeaver PI and Application Server, and what the recommended settings are.

**SLD and Enterprise Services Repository**  
Get to know the two most important tools for the administration of your system landscape: creating and managing

software components, SLD bridge, service modeling and publishing, and much more. Authorizations, Performance, and Monitoring Master the core administration tasks: Define who is supposed to have which authorizations, ensure fast message processing, and use the options for focused monitoring. Concrete Instructions with Numerous Screenshots  
Learn step-by-step how to perform each key task. Detailed menu descriptions and various figures guide the way. Expert Tips for Real Life Benefit from the authors' experience with customer projects.

**Practice-oriented descriptions**  
focused on practical implementation, designed to help you

achieve fast results. *SAP CRM Middleware Optimization Guide* SAP PRESS  
Written by SAP consultants, this title provides the stepping stone for individuals waiting to break into the SAP arena. It serves as a reference guide to the seasoned consultant, a tutorial to the individual trying to learn ABAP/4, and as an explanation of the new functionality, including SAP's integration into the Web. Sample applications are provided on the CD-ROM.

**Analyzing and Tuning SAP Systems**  
SAP PRESS

If you're performing a brownfield migration from an existing SAP ERP system, this is the technical guide for you! From planning the

project and preparing your system to adjusting custom code and executing the conversion, you'll get step-by-step instructions for all stages of your implementation. Troubleshooting tips and extensive coverage of the functional conversion will help you ensure that all your data makes it where it needs to be. The time to move to SAP S/4HANA is here! Highlights include: 1) Brownfield implementation 2) Readiness checks 3) Simplification list 4) Project planning 5) Conversion roadmap 6) Software Update Manager (SUM) 7) Preprocessing, execution, and postprocessing 8) Modification

adjustment 9) Custom code migration 10) Functional conversion 11) Troubleshooting Sybase Performance Tuning Espresso Tutorials GmbH This IBM® Redbooks® publication addresses performance tuning topics to help leverage the virtualization strengths of the POWER® platform to solve clients' system resource utilization challenges, and maximize system throughput and capacity. We examine the performance monitoring tools, utilities, documentation, and other resources available to help technical teams provide optimized business solutions and support for applications running on IBM POWER systems' virtualized

environments. The book offers application performance examples deployed on IBM Power Systems™ utilizing performance monitoring tools to leverage the comprehensive set of POWER virtualization features: Logical Partitions (LPARs), micro-partitioning, active memory sharing, workload partitions, and more. We provide a well-defined and documented performance tuning model in a POWER system virtualized environment to help you plan a foundation for scaling, capacity, and optimization . This book targets technical professionals (technical consultants, technical support staff, IT Architects, and IT Specialists) responsible

for providing solutions and support on IBM POWER systems, including performance tuning.

*The Official SAP Guide*  
Apress

With this book, you'll be prepared for any and all day-to-day problems. Detailed, real-life examples describe the performance analysis of Dynamics AX systems and the implementation of effective tuning measures. Whether the issue is with hardware, X++ programs, or database access, you'll learn about potential performance bottlenecks, along with corresponding instructions and valuable tips.

**Dynamics AX  
Performance  
Optimization Guide**  
SAP PRESS

SAP Global Trade Services (GTS) helps companies maximize supply chain performance and reduces the overall cost and risk of global trade by ensuring regulatory compliance, accelerating trade activity, and enabling trade compliance automation. The Practical Guide to SAP GTS helps the user navigate the system, while offering compliance insight to maximize their return on investment. Dive into difficult-to-navigate menus and review available functionality. Using screenshots and detailed instructions, readers will obtain best practices for meeting and exceeding compliance standards. Includes suggested audit plans to sustain

long term compliance. The book is current to version 10.1 and explores version 11.0 and its new features. This book offers: - Tips and tricks for leveraging SAP GTS to automate trade compliance - Walk step by step through business processes - Overview of regulatory requirements and compliance suggestions - Review of Version 11.0 with screenshots

SAP System Landscape Optimization SAP PRESS

This text offers a detailed look at Sybase SQL Server Performance Tuning and a sneak peek at Sybase System 11 performance features. It compares and contrasts all recent major releases of Sybase SQL Server

*Managing SAP ERP 6.0 Upgrade Projects* IBM Redbooks  
MDX (Multi-Dimensional eXpressions) is extraordinarily powerful, and is used for both self-service reporting and advanced analytics. If you are going to do multi-dimensional analysis, you have to know MDX. MDX enables business users to perform analyses and generate reports that are next to impossible in any other query language, such as SQL, or even in BEx queries. This is the complete guide to generating effective reports and solving business problems using MDX in NetWeaver BW. First, the author introduces you to this extraordinarily



powerful query and calculation language for both advanced analytics and self-service reporting. With expert guidance, you'll explore the idiosyncrasies of the MDX language and understand what object(s) each function takes as inputs and what they generate as outputs. Then, get an in-depth look at self-service reporting and analytics with MDX and how well these tasks are accomplished

depending in large part on the modeling of InfoCubes. You'll find out about techniques for improving query response time, including use of the SAP NetWeaver BW Accelerator. Finally, you'll also learn about the recent and substantial enhancements to the SAP NetWeaver BW MDX engine, the MDX-based OLAP BAPI, and the OLAP Data Access (ODA) component in SAP BusinessObjects.

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