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High Availability and Disaster Recovery Options for DB2 for Linux, UNIX, and Windows
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SAP Performance Optimization Guide
DB2 Optimization Techniques for Sap Database Migration and Unicode Conversion
SAP NetWeaver AS ABAP - System Administration
Implementing High Availability and Disaster Recovery Solutions with SAP HANA on IBM Power Systems
SAP on DB2 for z/OS and OS/390: High Availability and Performance Monitoring with Data Sharing
Enhancing SAP by Using DB2 9 for z/OS
Database Administration
SAP Administration - Practical Guide
SAP HANA on IBM Power Systems: High Availability and Disaster Recovery Implementation Updates
SAP Solutions on IBM DB2 UDB V8.2.2 Handbook
Leveraging Integrated Cryptographic Service Facility
Implementing SAP Business Suite on SAP HANA

DB2 pureScale: Risk Free Agile Scaling

The power of the IBM System z, combined with the flexibility of Linux on System z, provides the ideal platform on which to implement SAP application servers. System z provides the benefits of continuous availability, high performance, scalability, and ease of management; these qualities support and complement mission-critical SAP business applications. This IBM Redbooks publication focuses on the implementation of SAP application servers on Linux on System z to leverage the synergy of this combination of products. It provides detailed information to guide you through the planning process, including resource sharing considerations, hardware and software requirements, support and maintenance. This book takes you through the steps to prepare the system environment, describing system and network configurations, and demonstrates the procedures for installing and customizing your system. It describes in detail how to install SAP application servers in z/VM Linux images, including the installation of SAP and Java and hipersockets. Finally, it provides guidance for performance tuning and introduces some useful monitoring tools.

IBM DB2 9.7 Advanced Administration Cookbook

Enhance your SAP HANA skills using this step-by-step guide to creating and reporting data models for real-time analytics About This Book This book will help you to process analytical and transactional data in real time with the help of SAP HANA. Walk through the steps of the data modeling process and build various data models and artifacts in SAP HANA Studio. Packed with rich examples and use cases that are closely focused on developing real-time applications. Who This Book Is For If you are a SAP HANA data modeler, developer, implementation/migration consultant, project manager, or architect who is responsible for implementing/migrating to SAP HANA, then this book is for you. What You Will Learn Get to grips with the basic building blocks of Analytics/Data models in the SAP HANA environment. Discover various schemas, modeling principles, Joins, and the architecture of the SAP HANA engine. Build data models and artifacts in Sap HANA Studio. Design decision tables and understand the concept of transport management in the SAP HANA landscape. Work with the different views in SAP HANA Studio. Explore full-text search and fuzzy search in SAP HANA. Create your own scenarios and use cases using sample data and code. In Detail SAP HANA is an in-memory database created by SAP. SAP HANA breaks traditional database barriers to simplify IT landscapes, eliminating data preparation, pre-aggregation, and tuning. SAP HANA and in-memory computing allow you to instantly access huge volumes of structured and unstructured data, including text data, from different sources. Starting with data modeling, this fast-paced guide shows you how to add a system to SAP HANA Studio, create a schema, packages, and delivery unit. Moving on, you'll get an understanding of real-time replication via SLT and learn how to use SAP HANA Studio to perform this. We'll also have a quick look at SAP Business Object DATA service and SAP Direct Extractor for Data Load. After that, you will learn to create HANA artifacts—Analytical Privileges and Calculation View. At the end of the book, we will explore the SMART DATA access option and AFL library, and finally deliver pre-packaged functionality that can be used to build information models faster and easier. Style and approach This is an easy-to-follow, step-by-step, rapid guide to help you learn analytics in SAP HANA through ample hands-on exercises and use case scenarios.

Streamline Business with Consolidation and Conversion to DB2 for z/OS

Don't just manage? Excel at managing your master data with SAP NetWeaver MDM 7.1 using this book and eBook.

SAP Bw

IBM InfoSphere Information Server Installation and Configuration Guide

Mastering material for dealing with DBA certification exams Key Features Prepare yourself for the IBM C2090-600 certification exam Cover over 50 Db2 procedures including database design, performance, and security Work through over 150

Q&As to gain confidence on each topic Book Description IBM Db2 is a relational database management system (RDBMS) that helps you store, analyze, and retrieve data efficiently. This comprehensive book is designed to help you master all aspects of IBM Db2 database administration and prepare you to take and pass IBM's Certification Exams C2090-600. Building on years of extensive experience, the authors take you through all areas covered by the test. The book delves deep into each certification topic: Db2 server management, physical design, business rules implementation, activity monitoring, utilities, high availability, and security. IBM Db2 11.1 Certification Guide provides you with more than 150 practice questions and answers, simulating real certification examination questions. Each chapter includes an extensive set of practice questions along with carefully explained answers. This book will not just prepare you for the C2090-600 exam but also help you troubleshoot day-to-day database administration challenges. What you will learn Configure and manage Db2 servers, instances, and databases Implement Db2 BLU Acceleration and a DB2 pureScale environment Create, manage, and alter Db2 database objects Use the partitioning capabilities available within Db2 Enforce constraint checking with the SET INTEGRITY command Utilize the Db2 problem determination (db2pd) and dsmtop tools Configure and manage HADR Understand how to encrypt data in transit and at rest Who this book is for The IBM Db2 11.1 Certification Guide is an excellent choice for database administrators, architects, and application developers who are keen to obtain certification in Db2. Basic understanding of Db2 is expected in order to get the most out of this guide.

DB2 Universal Database V7.1 Application Development

Practical answers are given for every database administrator or developer running DB2 Universal Database 5.0 on Windows NT. Readers will find troubleshooting and performance management tips and learn how to build and manage an enterprise-wide DB2-on-Windows NT network.

Implementation Best Practices for IBM DB2 BLU Acceleration with SAP BW on IBM Power Systems

"Artful Making" offers the first proven, research-based framework for engineering ingenuity and innovation. This book is the result of a multi-year collaboration between Harvard Business School professor Robert Austin and leading theatre director and playwright Lee Devin. Together, they demonstrate striking structural similarities between theatre artistry and production and today's business projects--and show how collaborative artists have mastered the art of delivering innovation "on cue," on immovable deadlines and budgets. These methods are neither mysterious nor flaky: they are rigorous, precise, and--with this book's help--absolutely learnable and reproducible. They rely on cheap and rapid iteration rather than on intensive up-front planning, and with the help of today's enabling technologies, they can be applied in virtually any environment with knowledge-based outputs. Moreover, they provide an overarching framework for leveraging the full benefits of today's leading techniques for promoting flexibility and innovation, from agile development to real options.

DB2 Universal Database and SAP R/3 Version 4

The first start-to-finish guide to IBM's brand-new DB2 Application Developer certification exam! Write DB2 applications using Embedded SQL, ADO, CLI/ODBC, JDBC, SQLJ, Perl DBI, stored procedures, and more! Leverage new DB2 extenders for searching documents, XML composition/decomposition; managing multimedia databases, and more. Complete cross-platform coverage for UNIX, Linux, Windows and OS/2 environments! IBM has just expanded its highly successful DB2 certification program to include a developer's exam -- and this is the first book to offer start-to-finish preparation! The book covers every DB2 Application Developer exam objective, and includes a complete sample exam. Start by reviewing the DB2 client/server environment, comparing the multiple programming interfaces available to DB2 application developers, and understanding when to choose each. Next, walk through the fundamentals of DB2 application development with Embedded SQL, ADO, CLI/ODBC, JDBC, SQLJ, and the Perl DBI. Learn how to create effective stored procedures, and when to use them. Discover how to use DB2 extenders to enhance your application's functionality, adding more effective search features, XML support, multimedia archive management, and more. Steve Sanyal is a Software Developer for the DB2 Universal Database Application Development Team at the IBM Toronto Lab. He specializes in JDBC, SQLJ and CLI/ODBC, and leads IBM's project to develop Java and XML-based performance and troubleshooting tools for DB2. David Martineau is a Staff Software Developer providing technical support for the DB2 UDB Application Development Team. He has provided sample code for DB2 UDB using interfaces such as ADO, CLI and Net.Data. Michael Kyprianou has worked with DB2 Universal Database and its predecessors since 1995. He is an IBM Advanced Technical Expert in DB2 DRDA and certified in DB2 UDB Database Administration and Application Development. Kevin Gashyna is a DB2 Universal Database application development specialist specializing in DB2 Extenders and Net.Data.

Applying Real-world BPM in an SAP Environment

DB2 Universal Database version 7.1 for UNIX, Linux, Windows and OS/2 Database Administration Certification Guide, 4th edition.

SAP HANA 2.0

This IBM® Redbooks® publication updates Implementing High Availability and Disaster Recovery Solutions with SAP HANA on IBM Power Systems, REDP-5443 with the latest technical content that describes how to implement an SAP HANA on IBM Power Systems™ high availability (HA) and disaster recovery (DR) solution by using theoretical knowledge and sample scenarios. This book describes how all the pieces of the reference architecture work together (IBM Power Systems servers, IBM Storage servers, IBM Spectrum™ Scale, IBM PowerHA® SystemMirror® for Linux, IBM VM Recovery Manager DR for Power Systems, and Linux distributions) and demonstrates the resilience of SAP HANA with IBM Power Systems servers. This publication is for architects, brand specialists, distributors, resellers, and anyone developing and implementing SAP HANA on IBM Power Systems integration, automation, HA, and DR solutions. This publication provides

documentation to transfer the how-to-skills to the technical teams, and documentation to the sales team.

The Universal Guide to DB2 for Windows NT

Today's business environment has increased in the complexity and rate of change that a database administrator must control. The ability to respond quickly to a changing environment is constantly challenged by the explosion of data growth combined with a decline in an experienced work staff. The IBM® DB2® Administration Tool for z/OS® Version 10 helps you become productive from Day 1 with DB2 10 for z/OS by using performance savings right away, lowering the CPU costs while reducing the batch window. Users experience higher data availability by easily managing online schema changes, including additional columns to indexes to use index-only access. Customers are able to experience higher data availability through simplified recovery operations: Access new functionality in DB2 10 for z/OS to lower costs and improve efficiency both before, during, and after the DB2 migration process. Maximize the performance of your key DB2 business applications to speed their deployment in DB2 10 for z/OS. Improve the productivity and efficiency of your staff when DB2 10 for z/OS is running. This IBM Redbooks® publication highlights the data administration enhancements introduced by DB2 Administration Tool for z/OS Version 10 by providing scenarios of their use with the new functions provided by DB2 10 for z/OS.

IBM Db2 11.1 Certification Guide

BLU Acceleration is a new technology that has been developed by IBM® and integrated directly into the IBM DB2® engine. BLU Acceleration is a new storage engine along with integrated run time (directly into the core DB2 engine) to support the storage and analysis of column-organized tables. The BLU Acceleration processing is parallel to the regular, row-based table processing found in the DB2 engine. This is not a bolt-on technology nor is it a separate analytic engine that sits outside of DB2. Much like when IBM added XML data as a first class object within the database along with all the storage and processing enhancements that came with XML, now IBM has added column-organized tables directly into the storage and processing engine of DB2. This IBM Redbooks® publication shows examples on an IBM Power Systems™ entry server as a starter configuration for small organizations, and build larger configurations with IBM Power Systems larger servers. This publication takes you through how to build a BLU Acceleration solution on IBM POWER® having SAP Landscape integrated to it. This publication implements SAP NetWeaver Business Warehouse Systems as part of the scenario using another DB2 Feature called Near-Line Storage (NLS), on IBM POWER virtualization features to develop and document best recommendation scenarios. This publication is targeted towards technical professionals (DBAs, data architects, consultants, technical support staff, and IT specialists) responsible for delivering cost-effective data management solutions to provide the best system configuration for their clients' data analytics on Power Systems.

SAP on DB2 9 for z/OS: Implementing Application Servers on Linux for System z

IBM® InfoSphere® Guardium® provides the simplest, most robust solution for data security and data privacy by assuring the integrity of trusted information in your data center. InfoSphere Guardium helps you reduce support costs by automating the entire compliance auditing process across heterogeneous environments. InfoSphere Guardium offers a flexible and scalable solution to support varying customer architecture requirements. This IBM Redbooks® publication provides a guide for deploying the Guardium solutions. This book also provides a roadmap process for implementing an InfoSphere Guardium solution that is based on years of experience and best practices that were collected from various Guardium experts. We describe planning, installation, configuration, monitoring, and administering an InfoSphere Guardium environment. We also describe use cases and how InfoSphere Guardium integrates with other IBM products. The guidance can help you successfully deploy and manage an IBM InfoSphere Guardium system. This book is intended for the system administrators and support staff who are responsible for deploying or supporting an InfoSphere Guardium environment.

DB2 10.1 Fundamentals

Real Time Analytics with SAP HANA

- 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 Use Get 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

DB2 Administration Solution Pack for Z/OS

As organizations strive to do more with less, IBM® DB2® for Linux, UNIX, and Windows provides various built-in high availability features. DB2 further provides high availability solutions by using enterprise system resources with broad support for clustering software, such as IBM PowerHA® SystemMirror®, IBM Tivoli® System Automation for Multiplatforms (Tivoli SA MP), and Microsoft Windows Cluster Server. This IBM Redbooks® publication describes the DB2 high availability functions and features, focusing on High Availability Disaster Recovery (HADR) in the OLTP environment. The book provides a detailed description of HADR, including setup, configuration, administration, monitoring, and preferred practices. This book explains how to configure Cluster software PowerHA, Tivoli SA MP, and MSCS with DB2 and show how to use these products to automate HADR takeover. DB2 also provides unprecedented enterprise-class disaster recovery capability. This book covers single system view backup, backup and restore with snapshot backup, and the db2recovery command, in detail. This book is intended for database administrators and information management professionals who want to design, implement, and support a highly available DB2 system.

DB2 10. 1/10. 5 for Linux, UNIX, and Windows Database Administration

- Concepts and specifics of DB2/SAP operations
- Lifecycle, parameterization, monitoring, and backup/restore
- SAP and DB2 administration tools in action

Includes information for IBM DB2 10.5 for LUW

When you're working with IBM DB2 for Linux, Unix, and Windows, you're responsible for maintaining the Rolls Royce of the SAP-certified database systems. This book helps you keep it shiny and up to speed: you'll find all of the unique, powerful administrator's tools, tasks, and strategies that IBM and SAP have developed. From setup and sizing to troubleshooting the database, you'll find the information you need for a smooth ride.

SAP and IBM DB2 for LUW Architecture

Understand how different systems are structured, and learn how to use data models and SQL queries to design your database.

Getting the Most out of Your System

See the results of using common SAP tools and components in your IBM DB2 for LUW system, including configuration of SAP NetWeaver BW with DB2 for LUW.

Administrative Tools

Get the database commands, file and storage locations, log files, and tablespaces you need to effectively manage your system's performance (SAP and non-SAP).

Administrative Strategies

Find in-depth discussion of planning for and managing different sized systems, working with different data loss prevention options and methods, and more. Manage the Lifecycle

Learn the steps and tools you need for everything from planning installation, applying patches and updates, and performing backup and restore, to uninstalling the system.

Managing IBM DB2 10 for z/OS Using the IBM DB2 Administration Tool for z/OS Version 10

Architecting and Deploying DB2 with BLU Acceleration

Beginning with an explanation of the certification process and working through fundamental exam objectives, this guide gives test-takers all they need to know to pass IBM's DB2 10.1 Fundamentals certification exam (Exam 610). All the subjects covered on the exam are included: planning, security, data concurrency, working with databases and database objects, working with data using SQL and XQuery, working with DB2 tables, views, and indexes—and more. The book concludes with an extensive set of 150 practice questions that mirror the questions found on the exam and detailed answers that explain why the chosen answer is correct and why the others are wrong. Written by a DB2 authority who has helped IBM develop 21 DB2 certification exams, this is the ultimate resource for those who plan to earn their IBM Certified Database Associate certification.

DB2 Universal Database V7.1 for UNIX, Linux, Windows, and OS/2

In this IBM® Redbooks® publication, we give an overview of different data management topics related to a typical SAP® data center. The intrinsic functionality of SAP is not designed to completely handle all the tasks of a data center by itself, but the SAP system offers several interface possibilities to attach external tools to it to accomplish this task. We explain SAP basic concepts and the issues with SAP data management. We introduce Tivoli® Storage Manager and all of its products that are related to SAP data management. We provide some comparison between database backup and recovery tools. Finally, we discuss data archiving using IBM DB2® CommonStore for SAP, and discuss high availability requirements and disaster recovery considerations. The second part of this book discusses a practical implementation of SAP backup and recovery with Tivoli Storage Manager. We implement this setup on two separate SAP systems: one running DB2 and the other running Oracle® database. We also implement LAN-free backup and FlashCopy® scenarios. In the sample implementation section, we show many different tasks, such as backup and restore, database recovery, backup monitoring, and tuning. We also cover some advanced backup/availability considerations, such as split mirror backup and standby databases. This book helps individuals that operate an SAP environment to devise a strategy for a sound and comprehensive data backup solution using the IBM Tivoli Storage Management product family.

Squeezing the Most Out of Dynamic SQL with DB2 for Z/OS and OS/390

Extreme Availability and Scalability--Up and Running With DB2 pureScale DB2 is a leading-edge hybrid data server that offers optimum storage, scalability, and availability. DB2 pureScale is a new technology primarily optimized for scale-out transactional processing clusters in an active-active manner. This succinct guide will show you how DB2 with pureScale can deliver transparent application scalability, the ability to deliver agile-like computing to your transaction systems, and extreme availability. This book, together with IBM DB2 9 New Features (McGraw-Hill, 2007) and Break Free with DB2 9.7 (McGraw-Hill, 2009), provides you with the comprehensive knowledge you need to get started with the latest DB2 release. Try the new features by downloading DB2 Express-C 9.7--it is free to

develop, deploy, and distribute (with no user and database size limitations) and features pureXML technology. Go to ibm.com/db2/express. Discover the benefits your business can achieve with the agility provided by DB2 pureScale Find out how applications can be transparently scaled Reduce the risk and cost of business growth through unlimited capacity

Deployment Guide for InfoSphere Guardium

This IBM Redbooks publication addresses the challenges posed by monitoring high availability, scalability, and performance in an SAP sysplex data sharing environment. It introduces the motivations for utilizing a design based on DB2 data sharing. It includes the principal SAP-DB2 data sharing architecture options and trade-offs used in the industry today and issues that play a role in both high availability and scalability, such as failover design, database connectivity design, workload splitting and load balancing, MCOB, and coupling facility design. The book discusses single point of failure, important failover scenarios and outage avoidance, automation of high availability constructs, and backup and recovery considerations in data sharing environments. Performance issues are detailed in the order you would approach them at planning and implementation time. First, it discusses tuning the sysplex, which is the base for a well-performing DB2 data sharing system, then tuning the DB2 data sharing system, which is the base for a well-performing SAP system, and finally, tuning the SAP system. The book focuses on initial planning for performance and monitoring it afterward, and explains the key points to look for to health-check your system and maintain high performance.

DB2 Workload Manager for Linux, UNIX, and Windows

This IBM® Redpaper™ publication provides suggestions, hints and tips, directions, installation steps, checklists of prerequisites, and configuration information collected from several IBM InfoSphere® Information Server experts. It is intended to minimize the time required to successfully install and configure InfoSphere Information Server. The information in this document is based on field experiences of experts who have implemented InfoSphere Information Server. As such, it is intended to supplement, and not replace, the product documentation. Discover the proven choices and combinations for installing InfoSphere Information Server that have been the most successful for the IBM InfoSphere Center Of Excellence. This paper includes a broad range of customer needs and experiences, with a focus on the following areas: InfoSphere Information Server architecture Checklists Prerequisites Configuration choices that work well together This paper is based on thousands of hours of production systems experience, from which you can now reap significant benefits.

SAP Backup using Tivoli Storage Manager

Time to market, flexibility, and cost reduction are among the top concerns common to all IT executives. If significant resource investments are placed in mature systems, IT organizations need to balance old and new technology. Older technology, such as non-IBM pre-relational databases, is costly, inflexible, and non-standard. Users store their information on the mainframe and thus preserve the

skills and qualities of service their business needs. But users also benefit from standards-based modernization by migrating to IBM® DB2® for z/OS®. With this migration, users deliver new application features quickly and respond to changing business requirements more effectively. When migrating, the main decision is choosing between conversion and re-engineering. Although the rewards associated with rebuilding mature applications are high, so are the risks and customers that are embarking on a migration need that migration done quickly. In this IBM Redbooks® publication, we examine how to best approach the migration process by evaluating the environment, assessing the application as a conversion candidate, and identifying suitable tools. This publication is intended for IT decision makers and database administrators who are considering migrating their information to a modern database management system.

SAP NetWeaver MDM 7.1 Administrator's Guide

This IBM Redbooks publication presents many of the new and improved features and functions of DB2 V9.1 for z/OS and DB2 Connect V9.1. It explains how they complement and benefit your SAP NetWeaver environment. This book also shares some of our experiences in migrating our DB2 V8 SAP data sharing environment to DB2 9 for z/OS with a minimal amount of outage. This book is written for SAP and DB2 administrators. Knowledge of these products and of the z/OS environment is assumed.

High Availability and Disaster Recovery Options for DB2 for Linux, UNIX, and Windows

Integrated Cryptographic Service Facility (ICSF) is a part of the IBM® z/OS® operating system that provides cryptographic functions for data security, data integrity, personal identification, digital signatures, and the management of cryptographic keys. Together with the cryptography features of the IBM Z family, it provides secure, high-performance cryptographic functions (such as the loading of master key values) that enable the hardware features to be used by applications. This IBM Redpaper™ publication briefly describes ICSF and the key elements of z/OS that address different security needs. The audience for this publication is cryptographic administrators and security administrators, and those in charge of auditing security in an organization.

SAP Database Administration with IBM DB2

IBM® DB2® tools for z/OS® support and exploit the most current versions of DB2 for z/OS. These tools are integral for the administration of the DB2 for z/OS environment and optimization of data performance. DB2 Administration Solution Pack for z/OS V1.1 (5697-DAM) offers features, functions, and processes that database administrators (DBAs) can use to more effectively and efficiently manage DB2 environments. DB2 Administration Solution Pack for z/OS is composed of the following tools: IBM DB2 Administration Tool for z/OS IBM DB2 Object Comparison Tool for z/OS IBM InfoSphere® Optim Configuration Manager for DB2 for z/OS IBM DB2 Table Editor for z/OS This IBM Redbooks® publication shows how the delivered capabilities can help DBAs to more easily complete tasks associated with

object management, change management, application management, and configuration management.

DB2 Developer's Guide

This is a practical hands-on book with clear instructions and lot of code examples. It takes a simple approach, guiding you through different architectural topics using realistic sample projects

SAP Performance Optimization Guide

This IBM® Redpaper™ publication addresses topics for architects, brand specialists, distributors, resellers, and anyone developing and implementing SAP HANA on IBM Power Systems™ integration, automation, high availability (HA), and disaster recovery (DR) solutions. This book provides documentation to transfer how-to-skills to the technical teams, and documentation to the sales team. This guide describes how to implement an SAP HANA on IBM Power Systems solution from end to end and includes HA and DR guidelines by using theoretical knowledge, field experience, and sample scenarios. The contents of this book follow the guidelines from SAP regarding HANA installation on IBM Power Systems plus all the preferred practices that are gathered from the experiences of those consultants in hundreds of past HANA installations in customers' environments. This book is a hands-on guide and is targeted at technical staff who want to install SAP HANA on IBM Power Systems, and also use SAP HANA and IBM Power Systems HA solutions. SAP HANA and SUSE screen captures that are used in this publication belong to their respective owners. The residency team showed them in the publication to demonstrate the implementation and integration parts of the solution with IBM Power Systems.

DB2 Optimization Techniques for Sap Database Migration and Unicode Conversion

Written primarily for readers who work with the DB2 system, this book covers everything they need to know in order to pass the exam to become IBM-certified database administrators for DB2 10.1 or DB2 10.5 for Linux, UNIX, and Windows. This comprehensive study guide goes step by step through all of the topics on the test. Each chapter contains an extensive set of practice questions along with carefully explained answers, and a complete practice test that closely models the actual exam is included with an answer key. The book discusses server management, activity monitoring, high availability, security, and connectivity and networking, among other issues.

SAP NetWeaver AS ABAP - System Administration

IBM® DB2® with BLU Acceleration is a revolutionary technology that is delivered in DB2 for Linux, UNIX, and Windows Release 10.5. BLU Acceleration delivers breakthrough performance improvements for analytic queries by using dynamic in-memory columnar technologies. Different from other vendor solutions, BLU Acceleration allows the unified computing of OLTP and analytics data inside a

single database, therefore, removing barriers and accelerating results for users. With observed hundredfold improvement in query response time, BLU Acceleration provides a simple, fast, and easy-to-use solution for the needs of today's organizations; quick access to business answers can be used to gain a competitive edge, lower costs, and more. This IBM Redbooks® publication introduces the concepts of DB2 with BLU Acceleration. It discusses the steps to move from a relational database to using BLU Acceleration, optimizing BLU usage, and deploying BLU into existing analytic solutions today, with an example of IBM Cognos®. This book also describes integration of DB2 with BLU Acceleration into SAP Business Warehouse (SAP BW) and SAP's near-line storage solution on DB2. This publication is intended to be helpful to a wide-ranging audience, including those readers who want to understand the technologies and those who have planning, deployment, and support responsibilities.

Implementing High Availability and Disaster Recovery Solutions with SAP HANA on IBM Power Systems

A thorough reference on database administration outlines a variety of DBA roles and responsibilities and discusses such topics as data modeling and normalization, database/application design, change management, database security and data integrity, performance issues, disaster planning, and other essentials. Original. (Advanced)

SAP on DB2 for z/OS and OS/390: High Availability and Performance Monitoring with Data Sharing

As an administrator, your ongoing to-do list dominates your desk. This book enables you to learn the daily, monthly, quarterly, and yearly administration tasks you should be performing, and how to perform them. It can help you advance your SAP NetWeaver BW system from a B-movie to a blockbuster.

Enhancing SAP by Using DB2 9 for z/OS

- Learn what business process management (BPM) is and how to get started within an SAP context
- Benefit from a comprehensive compilation of use cases from early adopters
- Discover SAP technology, methodology, governance, process-based implementation content, and performance & value metrics

In this unique book, you will learn how to span the gap between business processes and information technology, as well as how to apply BPM within SAP projects. The authors provide extensive information on everything you need to know about the processes and methods to implement BPM (new ASAP, process-based implementation content, BPM technology, and more). Through real-world examples, best practices, and advice from SAP experts, you will understand how BPM works and how you can best use it to your advantage. Additionally, use cases from industry leaders and innovators show you how these early adopters improved their businesses by using BPM technology and methodology.

Linking Strategy to Operation Explore how a company's business model is linked to the process model, therefore including performance and value drivers.

BPM Anatomy Get an in-depth look at what makes BPM in SAP environments so effective, and understand all of the options and

unique add-ons that are available for you to link to your SAP system. Real-Life Examples Explore use cases from different industries to understand how BPM can be applied to your project to maximize efficiency, streamline process performance, achieve performance and value creation, and optimize customer relations. Applicable Software for BPM Learn how standard software in general and SAP products in particular relate to the BPM approach. Bonus Material Access additional articles via the SAP PRESS website on some of BPM's future trends and more advanced fields from top BPM and SAP experts and researchers. Highlights

- Business Model Management
- Performance and Value Drivers
- ASAP 7 Core Methodology and Business
- Add-Ons to ASAP
- Implementation Quality and Process-Based
- Implementation
- Governance Framework and Agile
- Methodology
- Enterprise Architecture and SOA
- SAP NetWeaver BPM and BRM
- SAP NetWeaver Composition Environment
- Rules and Decision Management
- Process Lifecycles
- Business Value Management

Database Administration

SAP Administration - Practical Guide

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.
- 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 HANA on IBM Power Systems: High Availability and Disaster Recovery Implementation Updates

- Make your SAP system run quickly and efficiently
- Master core concepts like sizing, memory management, and database monitoring
- Explore new topics such as SAP HANA, SAP Sybase ASE, and innovations in SAP NetWeaver AS Java

7th Edition Updated for SAP NetWeaver 7.3 In today's high-stakes business environment, system performance is the king of the jungle. From system and load distribution, to memory management, to buffering and locks, you know there's a lot of ground to cover-and many pitfalls to avoid. Up to date for SAP NetWeaver

7.3, this authoritative guide to analysis and tuning offers the practical tips and real-world examples to reach your tuning potential day in and day out. Anticipate, identify, analyze, and solve performance problems to keep your SAP system on top. SAP Basis Get complete coverage of the SAP Basis hardware, database, memory configuration, and work processes to maximize system analysis and tuning. Analysis Tools Explore the analysis and tuning tools integrated with SAP NetWeaver 7.3 and get previews of version 7.4. Everything Java Learn to evaluate CPU performance and available memory, use the SAP Management Console, and clear memory with garbage collection in the SAP Java Virtual Machine. Databases and SQL Processing From SAP MaxDB to DB2 to SAP Sybase ASE, find the most important information about database monitoring and optimizing SQL statements. Performance Optimization with SAP HANA Make your SAP system faster, sleeker, and stronger with new SAP HANA technologies like in-memory and column-based data storage. Highlights • SAP NetWeaver AS ABAP and Java • Performance problem troubleshooting • Workload analysis • Remote function calls • Memory configuration • SQL statements, locks, and buffering • System architecture • SAP NetWeaver BW and queries • SAP Java Virtual Machine • Hardware sizing and system distribution • Main memory data with TREX and • SAP HANA • SAP Sybase ASE

SAP Solutions on IBM DB2 UDB V8.2.2 Handbook

DB2 Workload Manager (WLM) introduces a significant evolution in the capabilities available to database administrators for controlling and monitoring executing work within DB2. This new WLM technology is directly incorporated into the DB2 engine infrastructure to allow handling higher volumes with minimal overhead. It is also enabled for tighter integration with external workload management products, such as those provided by AIX WLM. This IBM Redbooks publication discusses the features and functions of DB2 Workload Manager for Linux, UNIX, and Windows. It describes DB2 WLM architecture, components, and WLM-specific SQL statements. It demonstrates installation, WLM methodology for customizing the DB2 WLM environment, new workload monitoring table functions, event monitors, and stored procedures. It provides examples and scenarios using DB2 WLM to manage database activities in DSS and OLTP mixed database systems, so you learn about these advanced workload management capabilities and see how they can be used to explicitly allocate CPU priority, detect and prevent "runaway" queries, and closely monitor database activity in many different ways. Using Data Warehouse Edition Design Studio and DB2 Performance Expert with DB2 WLM is covered. Lastly, the primary differences between Workload Manager and Query Patroller are explained, along with how they interact in DB2 9.5.

Leveraging Integrated Cryptographic Service Facility

Marketshare for DB2 has been growing steadily over the past 5 years and with the announcement of DB2 Universal Database V8 (T-Rex), the product has never had more momentum. DB2 owns about 30 percent of the database market--the same as Oracle. Not only is the product used in many Fortune 500 companies, but it is becoming very popular in small to medium sized businesses as well. This book provides the reader with a comprehensive reference and research tool for DB2 for the mainframe. Official material is awkwardly written, spans over a dozen manuals

in PDF format, and lacks real-world guidance. Author, Craig Mullins, consistently hears from readers of past editions that they rely on this book as their primary reference for DB2. Craig Mullins is constantly being asked when it will support a new release.

Implementing SAP Business Suite on SAP HANA

IBM and SAP share a vision for responding to customers' specific requirements for tighter integration, platform flexibility, lower total cost of ownership, and improved performance. DB2 UDB V8.2.2 is an SAP-optimized version that uses autonomic computing technologies specifically tuned to help SAP users streamline installation, improve performance, and increase availability. This IBM Redbooks publication provides information for SAP consultants and SAP system administrators. It includes the latest DB2 UDB architecture details, SAP-related features and functions, practical advice on SAP NetWeaver 2004 installations, and DB2 configuration in SAP environments. We describe DB2 UDB's logical and physical database objects, storage management, SAPs data classes, and space reclamation strategies, and provide the best practices for intelligent storage subsystems. We also discuss how to use DBA Cockpit to monitor your system, DB2 UDB log file management, database backup and recovery, and high availability and clustered solutions. We introduce the Problem Description / Problem Source Identification (PD/PSI) methodology, and the troubleshooting approaches for common problems. Finally, we include a discussion of the new features of SAP NetWeaver 2004s Business Intelligence (SAP BI) with DB2 UDB V8.2.2.

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