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# Sap Db2 Installation Guide

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[Guide to IBM PowerHA SystemMirror for AIX Version 7.1.3](#) IBM Redbooks

The Temenos T24 core banking application is a critical application for the banks that use it and has a primary focus on providing an appropriate level of high availability and disaster recovery. The level of availability is determined largely by the configuration of the infrastructure that supports T24. This infrastructure is built on hardware, middleware, and networking, in addition to the operational procedures and practices that are used to operate T24. Many options are available for meeting a client's high availability and disaster recovery requirements. The solution chosen by a Temenos T24 user depends on many factors. These factors include a user's detailed availability and recovery requirements; their existing

datacenter standards, practices, and processes; and the available network infrastructure. Therefore, the optimum solution must be determined on a case-by-case basis for each deployment. This IBM® Redpaper™ publication serves as a guide to help IT architects and other technical staff who are designing, configuring, and building the infrastructure to support Temenos T24. It shows how IBM software can deliver high availability and disaster recovery for Temenos T24 to meet a client's requirements. This software might run on IBM AIX®, IBM WebSphere® Application Server, WebSphere MQ Server, and IBM DB2®. These IBM software components are typically used for a Temenos T24 deployment on an IBM middleware stack to ensure a highly available infrastructure for T24.

## SAP Applications on IBM PowerVM IBM Redbooks

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

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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.

### IBM ProtecTIER Implementation and Best Practices Guide IBM Redbooks

Third Edition: Thoroughly Updated and Expanded, with Extensive New Coverage! In just 24 sessions of one hour or less, you'll master the entire SAP project lifecycle, from planning through

implementation and system administration through day-to-day operations. Using this book's straightforward, step-by-step approach, you'll gain a strong real-world foundation in both the technology and business essentials of today's SAP products and applications—from the ground up. Step-by-step instructions walk you through the most common questions, issues, and tasks you'll encounter with SAP. Case study-based exercises help you build and test your knowledge. By the Way notes present interesting pieces of information. Did You Know? tips offer advice or teach an easier way. Watch Out! cautions warn about potential problems. Learn how to... Understand SAP's newest products for enterprises and small-to-midsize businesses, and choose the right solutions for your company Discover how SAP integrates with Web services and service-oriented architecture Develop an efficient roadmap for deploying SAP in your environment Plan your SAP implementation from business, functional, technical, and project management perspectives Leverage NetWeaver 7.0 features to streamline development and integration, and reduce cost Walk through a step-by-step SAP technical installation Master basic SAP system administration and operations Perform essential tasks such as logon, session management, and printing Build SAP queries and reports Prepare for SAP upgrades and enhancements Develop your own personal career as an SAP professional Register your book at [informit.com/title/9780137142842](http://informit.com/title/9780137142842) for convenient access to updates and corrections as they become available. IBM Information Infrastructure Solutions Handbook IBM Redbooks

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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.

*SAP HANA Platform Migration* Pearson Education

The success or failure of businesses often depends on how well organizations use their data assets for competitive advantage. Deeper insights from data require better information technology. As organizations modernize their IT infrastructure to boost innovation rather than limit it, they need a data storage system that can keep pace with highly virtualized environments, cloud computing, mobile and social systems of engagement, and in-depth, real-time analytics. Making the correct decision on storage investment is critical. Organizations

must have enough storage performance and agility to innovate as they need to implement cloud-based IT services, deploy virtual desktop infrastructure, enhance fraud detection, and use new analytics capabilities. At the same time, future storage investments must lower IT infrastructure costs while helping organizations to derive the greatest possible value from their data assets. The IBM® FlashSystem V9000 is the premier, fully integrated, Tier 1, all-flash offering from IBM. It has changed the economics of today's data center by eliminating storage bottlenecks. Its software-defined storage features simplify data management, improve data security, and preserve your investments in storage. The IBM FlashSystem® V9000 SAS expansion enclosures provide new tiering options with read-intensive SSDs or nearline SAS HDDs. IBM FlashSystem V9000 includes IBM FlashCore® technology and advanced software-defined storage available in one solution in a compact 6U form factor. IBM FlashSystem V9000 improves business application availability. It delivers greater resource utilization so you can get the most from your storage resources, and achieve a simpler, more scalable, and cost-efficient IT Infrastructure. This IBM Redbooks® publication provides information about IBM FlashSystem V9000 Software V7.7 and introduces the recently announced V7.8. It describes the product architecture, software, hardware, and implementation, and provides hints and tips. It illustrates use cases and independent software vendor (ISV) scenarios that demonstrate real-world solutions, and also provides examples of the benefits gained by integrating the IBM FlashSystem storage into business environments. This book offers IBM

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FlashSystem V9000 scalability concepts and guidelines for planning, installing, and configuring, which can help environments scale up and out to add more flash capacity and expand virtualized systems. Port utilization methodologies are provided to help you maximize the full potential of IBM FlashSystem V9000 performance and low latency in your scalable environment. This book is intended for pre-sales and post-sales technical support professionals, storage administrators, and anyone who wants to understand how to implement this exciting technology.

#### IBM System Storage Business Continuity: Part 2 Solutions Guide IBM Redbooks

"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.

#### **Mastering the SAP Business Information Warehouse** IBM Redbooks

When you hear IBM® Tivoli® Storage Manager,

the first thing that you typically think of is data backup. Tivoli Storage Manager is the premier storage management solution for mixed platform environments. Businesses face a tidal wave of information and data that seems to increase daily. The ability to successfully and efficiently manage information and data has become imperative. The Tivoli Storage Manager family of products helps businesses successfully gain better control and efficiently manage the information tidal wave through significant enhancements in multiple facets of data protection. Tivoli Storage Manager is a highly scalable and available data protection solution. It takes data protection scalability to the next level with a relational database, which is based on IBM DB2® technology. Greater availability is delivered through enhancements such as online, automated database reorganization. This IBM Redbooks® publication describes the evolving set of data-protection challenges and how capabilities in Tivoli Storage Manager can best be used to address those challenges. This book is more than merely a description of new and changed functions in Tivoli Storage Manager; it is a guide to use for your overall data protection solution.

#### Building and Scaling SAP Business Information Warehouse on DB2 UDB ESE IBM Redbooks

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 Redbook 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 UDBs logical and physical database objects, storage management, SAPs data classes, and space reclamation strategies, and provide the best practices for intelligent

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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.

*SAP Employee Self-Service Release 4.6*  
MicroStrategy, Inc.

SAP is a leading ERP vendor, with a large install base. A key element in their product set is the SAP Business Information Warehouse (BW). The primary objective of this IBM Redbooks publication is to provide guidelines to help you implement your SAP Business Information Warehouse on DB2 UDB ESE. Two major considerations when building a business information warehouse are scalability and performance. In this book, we have demonstrated the wide range of scalability of BW when implemented on DB2, while maintaining the performance requirements that are so critical. The parallelism and data partitioning capabilities of DB2 Universal Database ESE, enables a robust, highly scalable, and high performance business information warehouse. For a common understanding, we first discuss the concepts of data warehousing and then describe the SAP architecture and robust component capabilities of the SAP business information warehouse. To help in your implementation, we provide guidelines for how to configure SAP BW when it is built on DB2. We also describe and discuss the key capabilities and parameters to help you get the best from DB2. Key topics such as sizing, partitioning, performance tuning, and

systems administration, are discussed to assist in the implementation and maintenance of your system. This book will help enable you to more quickly and easily implement a robust SAP BW on DB2 UDB ESE.

**IBM Storage Solutions for SAP Applications  
Version 1.5** McGraw Hill Professional

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

*SAP NetWeaver MDM 7.1 Administrator's  
Guide* IBM Redbooks

DB2® 9 builds on the world's number one enterprise database to simplify the delivery of information as a service, accelerate development, and dramatically improve operational efficiency, security, and resiliency. Now, this new edition offers complete, start-to-finish coverage of DB2 9 administration and development for Linux®, UNIX®, and Windows® platforms, as well as authoritative preparation for the latest IBM DB2 certification exam. Written for both DBAs and developers, this definitive reference and self-study guide covers all aspects of deploying and managing DB2 9, including DB2 database design and development; day-to-day administration and backup; deployment of networked, Internet-centered, and SOA-based applications; migration; and much more. You'll also find an unparalleled collection of expert tips for optimizing performance, availability, and value. Coverage includes: Important security and resiliency enhancements, including advanced access control; fine-grained, label-based security; and the new security administrator role Breakthrough pureXML™ features that make it easier to succeed with service-oriented architecture Operational improvements that enhance DBA efficiency--including self-tuning memory allocation, automated storage management, and storage optimization Table-partitioning features that improve scalability and manageability

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Powerful improvements for more agile and rapid development, including the new Eclipse-based Developer Workbench and simple SQL or XQuery access to all data. Whatever your role in working with DB2 or preparing for certification, *DB2 9 for Linux, UNIX, and Windows, Sixth Edition* is the one book you can't afford to be without. Download Complete DB2 V9 Trial Version Visit [ibm.com/db2/9/download.html](http://ibm.com/db2/9/download.html) to download a complete trial version of DB2, which enables you to try out dozens of the most powerful features of DB2 for yourself: everything from pureXML support to automated administration and optimization. Straight from IBM, the ultimate guide to running DB2 9 and preparing for the latest IBM DB2 certification exam! Covers powerful DB2 9 enhancements ranging from automated management to improved compression. Covers the full spectrum of DBA responsibilities, including server management, data placement, XML concepts, activity analysis, high availability, and security. Presents expert tips and best practices from the DB2 customer support organization.

### **SAP Backup using Tivoli Storage Manager** IBM Redbooks

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 9 for Linux, UNIX, and Windows* Espresso Tutorials GmbH

This IBM® Redpaper publication provides SAP HANA platform migration information and details for successful planning for migration to IBM Power Systems servers. This publication addresses topics for sellers, IT architects, IT specialists, and anyone who wants to migrate and manage SAP workloads on Power Systems servers. Moreover, this guide provides documentation to transfer how-to skills to the technical teams, and it provides solution guidance to the sales team. This publication complements documentation that is available at IBM Knowledge Center, and it aligns with educational materials that are provided by IBM Systems.

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

Learn how to migrate your SAP data to Azure simply and successfully. Key Features Learn why Azure is suitable for business-critical systems Understand how to migrate your SAP infrastructure to Azure Use Lift & shift migration, Lift & migrate, Lift & migrate to HANA, or Lift & transform to S/4HANA Book Description Cloud technologies have now reached a

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level where even the most critical business systems can run on them. For most organizations SAP is the key business system. If SAP is unavailable for any reason then potentially your business stops. Because of this, it is understandable that you will be concerned whether such a critical system can run in the public cloud. However, the days when you truly ran your IT system on-premises have long since gone. Most organizations have been getting rid of their own data centers and increasingly moving to co-location facilities. In this context the public cloud is nothing more than an additional virtual data center connected to your existing network. There are typically two main reasons why you may consider migrating SAP to Azure: You need to replace the infrastructure that is currently running SAP, or you want to migrate SAP to a new database. Depending on your goal SAP offers different migration paths. You can decide either to migrate the current workload to Azure as-is, or to combine it with changing the database and execute both activities as a single step. SAP on Azure Implementation Guide covers the main migration options to lead you through migrating your SAP data to Azure simply and successfully. What you will learn

Successfully migrate your SAP infrastructure to Azure

Understand the security benefits of Azure

See how Azure can scale to meet the most demanding of business needs

Ensure your SAP infrastructure maintains high availability

Increase business agility through cloud capabilities

Leverage cloud-native capabilities to enhance SAP

Who this book is for

SAP on Azure Implementation Guide is designed to benefit existing SAP architects looking to migrate their SAP infrastructure

to Azure. Whether you are an architect implementing the migration or an IT decision maker evaluating the benefits of migration, this book is for you.

### **Enhancing SAP by Using DB2 9 for z/OS** Sams Publishing

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.

### **SAP Solutions on IBM DB2 UDB V8.2.2** Handbook IBM Redbooks

This IBM Redbooks publication is a companion to IBM System Storage Business Continuity: Part 1

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Planning Guide, SG24-6547 . We assume that the reader of this book has understood the concepts of Business Continuity planning described in that book. In this book we explore IBM System Storage solutions for Business Continuity, within the three segments of Continuous Availability, Rapid Recovery, and Backup and Restore. We position these solutions within the Business Continuity tiers. We describe, in general, the solutions available in each segment, then present some more detail on many of the products. In each case, the reader is pointed to sources of more information.

**IBM Tivoli Storage Manager as a Data Protection Solution** John Wiley & Sons  
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.

*SAP NetWeaver Application Server Upgrade Guide*  
Packt Publishing Ltd

Have you done an SAP upgrade before? Do you think you know how it works? Well, forget everything you've learned in the past the process for upgrading to release 7.0 is completely different. This comprehensive guide covers the entire upgrade process for both, ABAP and ABAP/Java double-stack upgrades, as well as the highly complicated Combined Upgrade & Unicode Conversion (CU&UC). You learn everything about the new upgrade tools as the authors walk you through the PREPARE and upgrade phases, post-processing, and modification adjustment - from A to Z. You'll also benefit from the authors' extensive project management experience while you learn how to plan and prepare for an upgrade project, and what to avoid. Exclusive tips and numerous lessons learned are guaranteed to help make your upgrade

to the next release, be it to ECC 6.0, BI 7.0, or SCM 5.0, a smooth and painless transition. The first edition of this book was published as an SAP PRESS Essentials guide under the title mySAP ERP Upgrade Project Guide. Highlights Include: \* The Upgrade Project \* Upgrade Tools \* PREPARE and Upgrade Processes for ABAP and Java \* Unicode and the Combined Upgrade & Unicode Conversion (CU&UC) \* Upgrade post-processing \* Modification Adjustment \* Upgrading BI, SCM, and CRM

**SAP Basis Administration Handbook,**  
**NetWeaver Edition** Packt Publishing Ltd

Learn how to use the Power Query M formula language and its functions effectively for better data modeling and impactful business intelligence reports. Purchase of the print or Kindle book includes a free PDF eBook Key Features Get comprehensive coverage of fundamental and advanced Power Query concepts Gain hands-on experience with practical examples based on real-world problems Delve into the intricacies of Power Query M language for enhanced data manipulation Book Description Data transformation is a critical step in building data models and business intelligence reports. Power Query is an invaluable tool for anyone who wants to master data transformation, and this book will equip you with the knowledge and skills to make the most of it. The Definitive Guide to Power Query (M) will help you build a solid foundation in the Power Query M language. As you progress through the chapters, you'll learn how to use that knowledge to implement advanced concepts and data transformations. This will set the stage for an uncompromisingly thorough exploration of the Power Query M Language. You'll also get to grips with optimizing performance, handling errors, and implementing efficient data processing techniques. As this is a hands-on guide, the practical examples in the chapters will help you gain the skills to apply Power Query to real-world problems and improve your data analysis capabilities. By the end of this book, you will be able to leverage all of Power Query's remarkable capabilities for data transformation. What you will learn Gain a strong understanding of Power Query fundamentals Master various functions within Power Query to perform complex data operations Acquire



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knowledge about values, types, and control structures in Power Query Develop proficiency in error handling techniques Learn performance optimization strategies for Power Query Apply what you've learned to real-world scenarios, including common troublesome patterns Who this book is for This book is for business analysts, business intelligence professionals, and power business users working with data who want to add Power Query mastery to their resume. This book will be beneficial for anyone who wants to automate their process of data cleaning and save huge amount of time. Having some basic experience in Power Query is recommended.

*Sams Teach Yourself SAP in 24 Hours* IBM Redbooks

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.