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# Sap Upgrade Guide

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Guide to IBM PowerHA  
SystemMirror for AIX  
Version 7.1.3 SAP PRESS  
This IBM® Redbooks®  
publication for IBM Power  
Systems™ with IBM

PowerHA® SystemMirror®  
Standard and Enterprise  
Editions (hardware,  
software, practices,  
reference architectures, and  
tools) documents a well-  
defined deployment model  
within an IBM Power  
Systems environment. It  
guides you through a  
planned foundation for a  
dynamic infrastructure for  
your enterprise applications.  
This information is for  
technical consultants,

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technical support staff, IT architects, and IT specialists who are responsible for providing high availability and support for the IBM PowerHA SystemMirror Standard and Enterprise Editions on IBM POWER® systems.

### **The SAP HANA Project Guide** SAP PRESS

This IBM® Redpaper™ publication is intended as an architecture and configuration guide to set up the IBM System Storage™ for the SAP HANA tailored data center integration (SAP HANA TDI) within a storage area network (SAN) environment. SAP HANA TDI allows the SAP customer to attach external storage to the SAP HANA server. The paper also describes the setup and configuration of SAP Landscape Management for SAP

HANA systems on IBM infrastructure components: IBM Power Systems and IBM Storage based on IBM Spectrum® Virtualize. This document is written for IT technical specialists and architects with advanced skill levels on SUSE Linux Enterprise Server or Red Hat Enterprise Linux (RHEL) and IBM System Storage. This document provides the necessary information to select, verify, and connect IBM System Storage to the SAP HANA server through a Fibre Channel-based SAN. The recommendations in this Blueprint apply to single-node and scale-out configurations, and Intel and IBM Power based SAP HANA systems.

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*SAP Basis Administration Handbook, NetWeaver Edition* Packt Publishing Ltd  
Implement critical business processes with mySAP Business Suite to integrate key functions that add value to every facet of your organization  
Key Features  
Learn master data concepts and UI technologies in SAP systems  
Explore key functions of different sales processes, order fulfillment options, transportation planning, logistics execution processes, and customer invoicing  
Configure the Order to Cash process in SAP systems and apply it to your business needs  
Book Description  
Using different SAP systems in an integrated way to gain maximum benefits while running your business is made possible by this book, which covers how to

effectively implement SAP Order to Cash Process with SAP Customer Relationship Management (CRM), SAP Advanced Planning and Optimization (APO), SAP Transportation Management System (TMS), SAP Logistics Execution System (LES), and SAP Enterprise Central Component (ECC).  
You'll understand the integration of different systems and how to optimize the complete Order to Cash Process with mySAP Business Suite. With the help of this book, you'll learn to implement mySAP Business Suite and understand the shortcomings in your existing SAP ECC environment. As you advance through the chapters, you'll get to grips with master data attributes in different SAP environments and then shift focus to the

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Order to Cash cycle, including order management in SAP CRM, order fulfillment in SAP APO, transportation planning in SAP TMS, logistics execution in SAP LES, and billing in SAP ECC. By the end of this SAP book, you'll have gained a thorough understanding of how different SAP systems work together with the Order to Cash process. What you will learn Discover master data in different SAP environments Find out how different sales processes, such as quotations, contracts, and order management, work in SAP CRM Become well-versed with the steps involved in order fulfillment, such as basic and advanced ATP checks in SAP APO Get up and running with transportation requirement and planning and freight	settlement with SAP TMS Explore warehouse management with SAP LES to ensure high transparency and predictability of processes Understand how to process customer invoicing with SAP ECC Who this book is for This book is for SAP consultants, SME managers, solution architects, and key users of SAP with knowledge of end-to-end business processes. Customers operating SAP CRM, SAP TMS, and SAP APO as part of daily operations will also benefit from this book by understanding the key capabilities and integration touchpoints. Working knowledge of SAP ECC, SAP CRM, SAP APO, SAP TMS, and SAP LES is necessary to get started with this book. An Introduction John Wiley &
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## Sons

- 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

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Infrastructure, System Landscapethrough scale-up and scale-out  
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 ERP Upgrade Project Guide SAP PRESS

This book provides system  
architects, technical consultants,  
and IT management the tools to  
design a system architectures to  
deploy SAP applications on SAP  
HANA. Explore production and  
non-production systems,  
deployment options, backup and  
recovery, data replication, high-  
availability, and virtualization in  
detail. Dive into on-premise  
deployment options and data  
provisioning scenarios. Walk

options and data partitioning  
considerations. Review the  
advantages and disadvantages of  
storage and system replication  
options and when to use each.  
Clarify how to leverage HANA  
for single node and distributed  
systems. Dive into a discussion on  
software and hardware  
virtualization. Compare the  
options available and guide your  
decision using flowcharts your  
organization can leverage to  
choose the proper technology for  
your environment and specific  
needs. This book enables readers  
to carefully evaluate and  
implement a well-considered SAP  
HANA scenario. - SAP HANA  
sizing, capacity planning  
guidelines, and data tiering -  
Deployment options and data  
provisioning scenarios - Backup  
and recovery options and  
procedures - Software and  
hardware virtualization in SAP  
HANA

### SAP System Security Guide SAP Press

A guide to SAP R/3  
programming covers such

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topics as data modeling, systems architecture, and systems installation.

SAP Security Configuration and Deployment  
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

### A Manager's Step-by-Step Guide Espresso Tutorials GmbH

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

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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 NetWeaver AS ABAP -

System Administration McGraw Hill Professional  
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: a. 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. b. 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



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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

### The Comprehensive Guide

## 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  
Migrating to SAP  
S/4HANA PHI Learning  
Pvt. Ltd.  
What do I need to do to  
successfully complete an  
SAP system audit? Get  
expert guidance on the top

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12 controls that should be included in your audit activities, including accounts and authorizations, the changeability settings of tables, clients, and entire systems, change logs, and security configuration settings. Written with SAP administrators and security consultants in mind, this book expertly answers these questions and explores the techniques needed to quickly determine the high-level security status of an SAP system. Walk through a standard control framework you can use to improve and strengthen the security position of your SAP system. Get an overview of the impact of SAP HANA, mobile, and cloud on SAP audits. - Basic principles of the audit function - Common SAP system audit issues - SAP tools and

functionality auditors can use, including pre-defined reports - Top 12 controls that should be included in your audit activities

IBM Storage Solutions for SAP Applications Version 1.4 Packt Publishing Ltd

In this book, you ' ll be introduced to operating SAP in the Cloud and learn the specifics of deploying and maintaining SAP on Azure. Explore cloud concepts and clarify the differences between on-premise, IaaS, PaaS, and SaaS. Discover Microsoft Azure Cloud key concepts and evaluate Azure for businesses on SAP ERP and for those moving to SAP S/4HANA. Learn how to translate an existing SAP landscape to Azure and walk through the size of virtual machines, selection and configuration of storage, and network configuration. Learn about high availability and disaster recovery concepts in Microsoft Azure and explore your options. Dive into installation and configuration specifics for Windows, Linux,

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and all databases supported by SAP ERP, with a special focus on SAP S/4HANA. Examine the three main areas of activity for a platform migration preparation, migration, and go-live and post-migration support. Obtain guidelines for planning and executing your migration to the Cloud. Walk through a detailed customer example including a close look at how the infrastructure was mapped to the Cloud. - Evaluate Azure for businesses on SAP ERP and those moving to S/4HANA - Design your SAP landscape for SAP on Azure - Implementation guidelines for every database and operating system supported by SAP and Azure - Plan and execute migration to the Cloud

SAP R/3 Handbook, Third Edition SAP PRESS

The challenges facing BW projects can be cultural, political, technical, or fiscal in nature. This book helps you navigate past a wide range of potential pitfalls to ensure a largely problem-free BW implementation or upgrade.

Learn about common BW mistakes, find out how to avoid them, and understand how successful BW projects can be executed. In addition, you'll benefit from sample documents that can be used in your project, including review checklists, communications documents, and landscape and architecture documents. The SAP NetWeaver BW Project Lifecycle Gain a practical understanding of what's involved in a typical SAP NetWeaver BW implementation, with an emphasis on the pitfalls and how to avoid them. Defining an Implementation Strategy Know the important questions to answer before starting any SAP NetWeaver BW project to ensure your project is planned, organized, and implemented as efficiently as possible. Preparing for Go-Live and the Go-Live Process Learn about the cut-over tasks associated with go-live and how proper

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planning can minimize stress and provide resources and escalation in the event of issues. After SAP NetWeaver BW Go-Live Discover the typical project responsibilities after go-live and the challenges faced in this phase of the project lifecycle. Enhance Quality: The Six Sigma Way Get an introduction to a few basic Six Sigma methodologies that can be used to enhance data quality.

Practical Guide to Auditing SAP Systems SAP PRESS  
SAP HANA is the SAP product for in-memory computing. It streamlines transactions, analytics, planning, and data processing on a single in-memory database allowing businesses to operate in real-time. Over the course of the last few years, the authors have led many diverse SAP HANA projects with extraordinary success resulting in 10,000, or in some cases even 100,000, times

improvement of system performance. In this book, the authors share their findings from SAP HANA projects to help ensure the success of your SAP HANA project. The SAP HANA project guide will also help you identify suitable scenarios for your company to get started with in-memory computing, while sketching out a long term plan to provide innovation to your entire business using SAP HANA. We ' ll cover the following key topics: - Delivering innovation with SAP HANA - Creating a business case for SAP HANA - Thinking in-memory - Managing SAP HANA projects  
Espresso Tutorials GmbH  
The Ultimate SAP ® User Guide is the essential handbook for all aspiring SAP professionals. SAP master and experienced author Rehan Zaidi has put out an easy-to-follow, illustrated guide that will help you take your SAP

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skills to the next level. At a time when SAP jobs are competitive, it's important to exceed expectations. This book will help you to do just that - with up-to-date content on the latest ERP 6.0 screens across modules. Whether you need help getting started on SAP, personalizing your SAP system, or creating your own reports, this book will guide you.

Polished by a review panel of SAP experts, The Ultimate SAP User Guide is an affordable alternative to costly training. You can use the book as step-by-step training, or simply use it as a reference when your job calls for a new task or SAP skills. With The Ultimate SAP User Guide, you are on the way to SAP mastery.

**SAP S/4HANA System Conversion Guide Espresso**  
**Tutorials GmbH**

This book expertly guides readers through implementing Asset

Accounting in SAP

S/4HANA and helps them gain a deeper understanding of how to configure asset accounting in SAP S/4HANA. Learn more

about the organizational structure, asset classes, and country-specific functions needed to configure SAP Asset Accounting. Walk through the charts of depreciation, company codes, number ranges, account determination, screen layouts and rules, and chart-of-depreciation dependent configurations.

Explore integration with the General Ledger. Review the valuation and depreciation areas that make up the chart of depreciation and ensure that it is correctly configured. Look at the different depreciation areas and dive into the different depreciation types and how

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they are calculated. See how to set up configuration for special valuations on assets, special depreciation reserves, and special value adjustments. Explore integration with other SAP modules. Learn about the different transaction types, how they are grouped, and a rule of thumb on how to identify them by numerical value. Obtain best practices for reporting in asset accounting and get strategies for how to transfer legacy assets into SAP. Learn everything you need to know for the initial go-live. By using practical examples, tips, and screenshots, this book:

- Dives into how to configure Asset Accounting in SAP S/4HANA-
- Explains the new ACDOCA table-
- Explores depreciation, including chart of depreciation, depreciation keys, and period control-
- Walks through periodic processing, including year-end clos

Securing SAP S/4HANA SAP NetWeaver Application Server Upgrade Guide

If you work in a company that uses SAP or other non-SAP ERP systems and are looking at migrating to the latest digital core from SAP, whether the cloud or on-premise edition, then this book is for you! Explore your options for transitioning to SAP S/4HANA. Walk in detail through the phases of a data migration project using SAP Activate methodology. Identify SAP rapid data migration best practices for SAP S/4HANA with SAP Data Services. Learn about methods for migrating data to a new SAP implementation scenario, as well as the SAP Data Services architecture that deals with the process of extraction, transformation, and load (ETL) of data. Examine the steps required to execute the migration within the ETL stages and how

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SAP Data Services can be extended to meet additional migration needs. Take a deep dive into SAP S/4HANA migration cockpit and SAP S/4HANA migration object modeler. Walk through the steps required for migrating data from source systems to SAP S/4HANA (on-premise or cloud edition) using the preconfigured data migration objects delivered by SAP. Delve into the process of creating a migration project and generating the upload template, as well as the steps for uploading and validating the data, including error handling. Review the various migration options and tools available for migrating your legacy data to SAP S/4HANA (on-premise or cloud edition). - Data migration scenarios and tools for moving data to S/4HANA - Plan an S/4HANA data migration using SAP Activate methodology - Step-by-step guide for using S/4HANA migration cockpit and S/4HANA migration object modeler - Evaluate S/4HANA migration tools

### Testing SAP R/3 Jones & Bartlett Learning

In this book written for SAP BI, big data, and IT architects, the authors expertly provide clear recommendations for building modern analytics architectures running on SAP HANA technologies. Explore integration with big data frameworks and predictive analytics components. Obtain the tools you need to assess possible architecture scenarios and get guidelines for choosing the best option for your organization. Know your options for on-premise, in the cloud, and hybrid solutions. Readers will be guided through SAP BW/4HANA and SAP HANA native data warehouse scenarios, as well as field-tested integration options with big data platforms. Explore migration options and architecture best practices. Consider organizational and procedural changes resulting from the move to a new, up-to-

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date analytics architecture that supports your data-driven or data-informed organization. By using practical examples, tips, and screenshots, this book explores: - SAP HANA and SAP BW/4HANA architecture concepts - Predictive Analytics and Big Data component integration -

Recommendations for a sustainable, future-proof analytics solutions -

Organizational impact and change management

SAP S/4HANA Fixed Asset Accounting Implementation Guide SAP PRESS

Throughout the world, high-profile large organizations (aerospace and defense, automotive, banking, chemicals, financial service providers, healthcare, high tech, insurance, oil and gas, pharmaceuticals, retail, telecommunications, and utilities) and governments are using SAP software to process their most mission-critical, highly sensitive data. With more than 100,000 installations, SAP is the

world's largest enterprise software company and the world's third largest independent software supplier overall. Despite this widespread use, there have been very few books written on SAP implementation and security, despite a great deal of interest. (There are 220,000 members in an on-line SAP 'community' seeking information, ideas and tools on the IT Toolbox Website alone.) Managing SAP user authentication and authorizations is becoming more complex than ever, as there are more and more SAP products involved that have very different access issues. It's a complex area that requires focused expertise. This book is designed for these network and systems administrator who deal with the complexity of having to make judgmental decisions regarding enormously complicated and technical data in the SAP landscape, as well as pay attention to new compliance rules and security regulations. Most SAP users experience significant challenges when trying to manage and mitigate the risks in existing or new security solutions and



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usually end up facing repetitive, expensive re-work and perpetuated compliance challenges. This book is designed to help them properly and efficiently manage these challenges on an ongoing basis. It aims to remove the 'Black Box' mystique that surrounds SAP security. \* The most comprehensive coverage of the essentials of SAP security currently available: risk and control management, identity and access management, data protection and privacy, corporate governance, legal and regulatory compliance. \* This book contains information about SAP security that is not available anywhere else to help the reader avoid the "gotchas" that may leave them vulnerable during times of upgrade or other system changes \*Companion Web site provides custom SAP scripts, which readers can download to install, configure and troubleshoot SAP. SAP Activate eCruiting Alternatives, Inc.

The popularity of the Internet and the affordability of IT

hardware and software have resulted in an explosion of applications, architectures, and platforms. Workloads have changed. Many applications, including mission-critical ones, are deployed on a variety of platforms, and the System z® design has adapted to this change. It takes into account a wide range of factors, including compatibility and investment protection, to match the IT requirements of an enterprise. This IBM® Redbooks® publication discusses the IBM zEnterprise System, an IBM scalable mainframe server. IBM is taking a revolutionary approach by integrating separate platforms under the well-proven System z hardware management capabilities, while extending System z qualities of service to those platforms. The zEnterprise System consists of the IBM zEnterprise 114 central processor complex, the IBM zEnterprise Unified Resource Manager, and the

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IBM zEnterprise BladeCenter® Extension. The z114 is designed with improved scalability, performance, security, resiliency, availability, and virtualization. The z114 provides up to 18% improvement in uniprocessor speed and up to a 12% increase in total system capacity for z/OS®, z/VM®, and Linux on System z over the z10™ Business Class (BC). The zBX infrastructure works with the z114 to enhance System z virtualization and management through an integrated hardware platform that spans mainframe, POWER7™, and System x technologies. The federated capacity from multiple architectures of the zEnterprise System is managed as a single pool of resources, integrating system and workload management across the environment through the Unified Resource Manager. This book provides an overview of the zEnterprise System and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. This book is intended for systems engineers, consultants, planners, and anyone wanting to understand the zEnterprise System functions and plan for their usage. It is not intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM System z technology and terminology.