



Rob Frye, Joe Darlak, Dr. Bjarne Berg

# The SAP® BW to HANA Migration Handbook

- ▶ Proven Techniques for Planning and Executing a Successful Migration
- ▶ SAP BW on SAP HANA Sizing and Optimization
- ▶ Building a Solid Migration Business Case
- ▶ Step-by-Step Runbook for the Migration Process

# The Sap Bw To Hana Migration Handbook

**Uche Nnene**



## **The Sap Bw To Hana Migration Handbook:**

The SAP BW to HANA Migration Handbook Bjarne Berg, Joe Darlak, Rob Frye, 2016      **The SAP BW to HANA Migration Handbook** Rob Frye, Joe Darlak, Dr. Bjarne Berg, 2015-03-07 SAP HANA has revolutionized the way we store data and architect reporting solutions This book provides a step by step guide for moving an existing SAP BW system on any database to SAP HANA Identify the differences between the database migration option DMO process and other options Get sample staffing plans tools for hardware sizing and planning and budgeting tips for planning your migration project Walk through the process for cleaning your SAP Business Warehouse BW system prior to migration and find out how doing so can reduce your SAP BW on HANA implementation costs Walk through DMO process prerequisites and examine the SAP BW on HANA Migration Cockpit in detail Get step by step instructions for executing a SAP BW on HANA migration using DMO and get tips based on lessons learned from the world s largest DMO migration project Walk away with best practices for monitoring the health of your SAP HANA implementation Using practical examples tips and screenshots the authors provide expert strategies to help your company s migration project succeed Proven techniques for planning and executing a successful migration Building a solid migration business case Sizing and optimization of SAP BW on SAP HANA Step by step runbook for the migration process      **SAP HANA - Implementation Guide** Bert Vanstechelman, 2018 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 through scale up and scale out 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      *The SAP HANA Deployment Guide* Bert Vanstechelman, 2017 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 through scale up and scale out 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

*First Steps in SAP Business Warehouse (BW)* Gerardo di Giuseppe, Companies are leveraging the power of big data and are tasked with putting an infrastructure in place that will allow for the analysis of this data One essential piece of that infrastructure is the data warehouse DWH This book offers a comprehensive introduction to SAP Business Warehouse BW You ll learn about the primary features and functions of SAP NetWeaver BW including architecture data modeling data extraction data staging and reporting Learn about the different types of InfoProviders available in SAP BW and get a detailed understanding of InfoObjects and InfoCubes Walk through the ETL process and best practices for administering InfoCubes and DataStore objects Get tips on how to optimize data access using aggregates and statistics By using practical examples tips and screenshots the author brings readers new to SAP BW up to speed on the fundamentals and best practices for providing reports to users Tips for loading data from a source system to SAP BW with SAP ETL How to automate ETL tasks using process chains Using SAP BW Business Content to accelerate the design of your BW objects Leverage BEx Query Designer and BEx Analyzer

**Business Intelligence with SAP BI Edge** Wolfgang Niefert, SAP BI Edge is a powerful business intelligence BI solution for midsize companies This book offers a comprehensive overview of what to expect and where you should start building your reporting framework You ll get detailed information on reporting tools like Information Designer Universe Designer BI Launchpad Crystal Reports and Dashboards formerly XCelsius Get tips for creating an InfoSet strategy and leverage it to run reports Learn how to use the Information Design Tool IDT to design data models and layer your data to create universes Identify the common queries you will need to get started and walk through how to publish SAP reporting data in a web format and create practical management dashboards By using practical examples tips screenshots and a case study the author brings readers new to SAP BI Edge up to speed on the fundamentals Installation and setup tips for SAP BI Edge with SAP ERP Query and reporting tools best practices How to build a dynamic SAP ERP data model based on your configuration Step by step instructions on how to create a SAP BI universe

SAP BW on SAP HANA Christian Savelli, This book dives into SAP BW on SAP HANA Explore the fundamentals of data warehousing on SAP HANA and identify what is different about running in an SAP HANA environment Readers can utilize this handbook prior to or post migration to maximize their ROI Review data loading methods and virtualization options Walk step by step through external data integration in SAP BW 7.4 including enhanced composite providers open ODS views and virtual tables Explore the new reporting options for SAP BW on SAP HANA and look at changes to the BI analytical engine calculated key figures and query connections to SAP BusinessObjects tools Dive into data architecture and learn more about virtualization options for

enterprise data warehouse in conjunction with SAP HANA Get detailed instructions for upgrading maintaining and running SAP BW on SAP HANA including service packs transports and admin functions Learn more about modeling in SAP BW enabled by SAP HANA in regards to moving from LSA to LSA By using practical examples tips and screenshots the author brings readers up to speed on running SAP BW on SAP HANA Tips for upgrading maintaining and running BW on HANA Data loading methods and real time data acquisition New reporting paradigm for BW on HANA HANA data architecture *SAP HANA Advanced Modeling* Dr. Stefan Hartmann, Dominique Alfermann, Benedikt Engel, This book introduces developers and architects to the methods and options for implementing smart SAP HANA solutions based on real world projects and field tests It contains clear recommendations for setting up data models optimizing performance using the SAP HANA modeler and development perspectives and for solving complex requirements efficiently Using a case study to walk through SAP HANA design elements and options the authors share practical examples tips and screenshots for explaining and demonstrating the intricacies of SAP HANA This book provides SAP HANA design patterns with the best balance between performance memory consumption and maintainability Learn how to leverage advanced modeling techniques for implementing a sustainable architecture and for solving further business problems Data modeling guidelines and common test approaches Information view performance optimization Modular solutions to complex requirements Best practices and recommendations *SAP BW/4HANA and BW on HANA* Frank Riesner, Klaus-Peter Sauer, 2017 SAP BW 4HANA has introduced a new era in data warehousing at SAP Further steps towards simplification flexibility and performance are now possible with SAP HANA as the proven technological basis SAP BW 4HANA offers modern concepts for data management operation and modeling and thus opens the door for fully innovative application scenarios This book will show you how the SAP HANA database influences the Business Warehouse and how you can optimize your system As a practical guide the book is aimed at experienced SAP BW experts as well as decision makers who need a well grounded overview The authors address the versions SAP BW 4HANA 1 0 and SAP BW 7 5 in equal measure highlighting new functions and differences The book also focuses on the migration options and conversion tools for moving to SAP BW 4HANA Use this reference book to enter the world of SAP BW with SAP HANA as the database platform Migration sizing operation data management with SAP BW 4HANA and SAP BW 7 5 on HANA The new central source Systems SAP HANA and ODP New modeling options mixed scenarios LSA and differences compared to SAP BW 7 5 The role of BW in operational SAP reporting *The SAP HANA Project Guide* , 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     **A Practical Guide to SAP Data Warehouse Cloud** Klaus-Peter Sauer,2022-07-28 Learn about the advantages of SAP Data Warehouse Cloud DWC from data management all the way through to visualization this book covers all the tools you need to set up a modern cloud based data warehouse landscape You can even set up hybrid architectures or convert on premise SAP BW systems to the SAP BW Bridge Operating departments will learn how they can use virtual work areas spaces to enrich central corporate data with local data without having to copy data or download files New findings can be easily shared with others For IT employees in particular there is an extensive introduction to modeling and the Data Builder With the editors and functionalities of this tool you get to know the technical implementation of data modeling in more detail In addition the Business Builder offers professional users a simplified analysis of data by reducing the time required for semantic modeling and enrichment of data After discussing important aspects of the configuration and security of SAP Data Warehouse Cloud the author looks at the developments that can be expected for this highly dynamic topic in the future Basic principles of SAP Data Warehouse Cloud Virtual interaction between operating departments and IT via spaces Separation of semantic modeling and the data layer SAP BW Bridge and Hybrid landscapes     **Practical Guide to SAP HANA and Big Data Analytics** Dominique Alfermann,Stefan Hartmann,2018-12-20 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 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     **Practical Guide to Data Migration with SAP S/4HANA Migration Cockpit** Uche Nnene,2020-04-03 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 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 [SAP BW on HANA Migration](#) A.K. Verma,2018-07-04 This is a book form of the posts published in my website how2hana.com This book is compact explanation of BW on HANA migration It is simple to comprehend and has taken references from SAP standard documentation to make things clear and transparent to the reader Corresponding SAP notes and service marketplace links are also provided wherever required for easy reference and up to date information **SAP BW/4HANA und BW auf HANA, 2. erweiterte Auflage** Klaus-Peter Sauer, Frank Riesner, *SAP HANA 2.0 Installation and Administration A Practical Guide* Rajarajeswari Kaliyaperumal,2025-07-17 Are you thinking of becoming an SAP HANA Administrator with strong foundational knowledge Would you like to learn the basics or get your basics right Then look no further This expertly written guide walks readers through the fundamentals required to perform day to day operations database sizing installation upgrades and restore and recover activities as a HANA database administrator Take a closer look at the architecture of the HANA database and explore the various deployment options Learn how to install and upgrade HANA databases Discover the tools available for administration and monitoring activities including HANA Studio HANA command line and the HANA Cockpit Learn about essential database administration tasks such as system views monitoring and table partitioning Examine security considerations and walk step by step through different types of backup and restore processes including handling of encrypted backups HANA System Replication and tenant copy Learn how to efficiently troubleshoot HANA database issues with expert guidance and practical advice HANA database architecture and deployment options Installation and upgrade steps Administration and monitoring tools Backup and restore processes **In-Memory-Datenbank SAP HANA** Peter Preuss,2017-06-16 Der vorliegende Sammelband enth<lt Beitr ge zum Thema SAP HANA einer Softwareplattform die im Kern aus einer In Memory Datenbank besteht Im ersten Beitrag werden die theoretischen Grundlagen gelegt und der aktuelle Markt f r In Memory Datenbanken untersucht Anhand eines konkreten Fallbeispiels wird im darauffolgenden Beitrag die Vorgehensweise bei einer SAP HANA Migration erl utert Anschlie end werden m gliche Migrationsstrategien f r einen Systemwechsel von SAP ERP nach SAP HANA diskutiert Der

vierte Beitrag geht auf den SAP Solution Manager ein mit dem die Einführung von SAP HANA unterstützt wird Schließlich werden Backup und Recovery Konzepte untersucht die eine wichtige Rolle bei In Memory Datenbanken spielen *First Steps in SAP Predictive Analytics* Anurag Barua, 2019-02-18 Curious about how to leverage SAP Predictive Analytics SAP PA to effectively mine data and unearth trends patterns and relationships In this book written for users and analysts readers will explore the foundations of SAP Predictive Analytics Review the architectural underpinnings and technical components that make up SAP PA Explore how SAP PA works with SAP HANA Walk through the installation steps and learn the differences between the desktop and enterprise versions Explore SAP PA modules and components including the predictive analytical library PAL the application function library AFL and the SAP HANA automated predictive library APL Leverage the data manager and learn how to create an event log aggregation Get tips for performing text analysis and take an in depth look at automated analytics including Expert Analytics Dive into a sales and pipeline forecasting example using specific SAP PA functions and algorithms By using practical examples tips and screenshots this book explores SAP PA architecture and technical components How SAP PA works with SAP HANA Core SAP PA modules and components Detailed sales pipeline forecasting example **Unlocking SAP BW: Evolution from Legacy to Cloud** Frank Riesner, Klaus-Peter Sauer, Deniz Osoy, Dominik Kurz, 2025-03-12 Prepare for the future of your SAP data warehousing from legacy to innovative cloud architectures Written as a decision making aid for existing SAP Business Warehouse SAP BW customers this expert guide provides insights into how to continue with existing SAP platforms as the end of maintenance for SAP BW is approaching and as SAP is planning to invest mainly in cloud software such as SAP Datasphere and SAP Analytics Cloud in the future This book provides an overview of the solutions available including SAP NetWeaver BW SAP BW 4HANA SAP Business Data Cloud and SAP Datasphere including BW bridge Examine the various architecture options to renovate your landscape for the future Learn how to prepare for an implementation including housekeeping tasks and sizing concepts as well as leveraging the Note Analyzer and transfer tools Explore how SAP BW 4HANA and SAP Datasphere can be deployed in hybrid modes alongside each other for step by step innovation while maintaining current investments as much as possible and shaping the future cloud architecture for your SAP data warehousing environment SAP Business Data Cloud Key architectural decision factors Migration approaches to SAP BW 4HANA and SAP Datasphere Hybrid architecture with SAP Datasphere including BW Bridge **SAP on Azure Implementation Guide** Nick Morgan, Bartosz Jarkowski, 2020-02-21 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 4HANABook Description Cloud technologies have now reached a 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  
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## **Table of Contents The Sap Bw To Hana Migration Handbook**

1. Understanding the eBook The Sap Bw To Hana Migration Handbook
  - The Rise of Digital Reading The Sap Bw To Hana Migration Handbook
  - Advantages of eBooks Over Traditional Books
2. Identifying The Sap Bw To Hana Migration Handbook
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an The Sap Bw To Hana Migration Handbook
  - User-Friendly Interface
4. Exploring eBook Recommendations from The Sap Bw To Hana Migration Handbook
  - Personalized Recommendations
  - The Sap Bw To Hana Migration Handbook User Reviews and Ratings
  - The Sap Bw To Hana Migration Handbook and Bestseller Lists
5. Accessing The Sap Bw To Hana Migration Handbook Free and Paid eBooks
  - The Sap Bw To Hana Migration Handbook Public Domain eBooks

- The Sap Bw To Hana Migration Handbook eBook Subscription Services
- The Sap Bw To Hana Migration Handbook Budget-Friendly Options
- 6. Navigating The Sap Bw To Hana Migration Handbook eBook Formats
  - ePub, PDF, MOBI, and More
  - The Sap Bw To Hana Migration Handbook Compatibility with Devices
  - The Sap Bw To Hana Migration Handbook Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of The Sap Bw To Hana Migration Handbook
  - Highlighting and Note-Taking The Sap Bw To Hana Migration Handbook
  - Interactive Elements The Sap Bw To Hana Migration Handbook
- 8. Staying Engaged with The Sap Bw To Hana Migration Handbook
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers The Sap Bw To Hana Migration Handbook
- 9. Balancing eBooks and Physical Books The Sap Bw To Hana Migration Handbook
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection The Sap Bw To Hana Migration Handbook
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine The Sap Bw To Hana Migration Handbook
  - Setting Reading Goals The Sap Bw To Hana Migration Handbook
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of The Sap Bw To Hana Migration Handbook
  - Fact-Checking eBook Content of The Sap Bw To Hana Migration Handbook
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks

## 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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