

# Sap Hana Security Guide

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*SAP HANA 2.0 Administration* Mark Mergaerts 2021

Novice or expert, this is your one-stop shop for administering SAP HANA 2.0! You'll begin with a deep dive into database and engine architecture. Then explore your key tools: SAP HANA cockpit, SAP HANA Studio, the command-line interface, and more. From there, choose the topics you need. Backup and recovery? High availability? Data tiering? Security? Objects, tables, and transactions? All covered within these pages! From installation to performance tuning, this book has it all. Highlights include: 1) Installation and updates 2) Architecture 3) SAP HANA cockpit 4) SAP HANA Studio 5) Persistency 6) High availability/disaster recovery 7) Scale-out systems 8) Data tiering 9) Objects and tables 10) Security 11) Performance 12) Monitoring

**SUSE and IBM Power Systems for SAP HANA** - Michael Tabron 2020-11-24

For organizations charting their way forward in today's digital economy, the clear imperative is to find better ways of extracting more value from data. By gleaning insight from data regarding customer preferences and business operations, organizations can respond to demand more effectively and better deliver the experiences that today's customers want. To this end, many organizations running SAP solutions seek to make the move to the SAP HANA database. SAP HANA offers the speed of in-memory data processing and the ability to combine transactions and analytics on a single platform for insight in real time. However, considerations at the level of IT infrastructure can make or break the success of an SAP HANA implementation. What the database runs on, in other words, matters significantly. This IBM® Redguide publication explores the value of deploying SAP HANA on SUSE Linux Enterprise Server for SAP Applications and the IBM Power platform with IBM POWER9™ processors. Both offerings are optimized to help your organization reap the rewards of SAP HANA while also transforming IT service delivery more generally. Designed for enterprise-grade operations, SUSE Linux Enterprise Server for SAP Applications offers an open-source software-defined infrastructure (SDI) that is optimized for SAP workloads. Reliable, fast, and secure, it also supports the automation that is needed to substantially free up IT staff from service deployment and management duties. Power Systems servers support SAP HANA implementations according to the SAP Tailored Data Center Integration (TDI) 5.0 specification. Optimized for scale-up and scale-out scenarios and built to support virtual persistent memory, Power Systems serves help you provision faster, scale affordably, and maximize uptime by persisting memory across virtual machines (VMs) and multiple SAP HANA instances. Both SUSE and IBM have partnered with SAP for decades to fine-tune these offerings. Together, SUSE and IBM solutions offer a way forward for deploying, optimizing, and running SAP HANA implementations that is proven to be successful. This publication looks at various aspects of this combined offering in greater detail.

**IBM Storage Solutions for SAP Applications Version 1.4** - IBM 2020-07-21

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.

**SAP Solution Manager 7.2 System Configuration Certification Guide** - Jereme Swoboda 2019  
Make the grade with this SAP Solution Manager 7.2 certification study guide! From installation and configuration to monitoring and management, this guide will review the key technical and functional knowledge you need to pass your exam with flying colors. Explore test methodology, key concepts for each topic area, and practice questions and answers to solidify your knowledge. Your path to SAP Solution Manager certification begins here! a. Test Structure Prepare with up-to-date information on each topic covered in the C\_SM100\_7205 exam, including SAP Solution Manager architecture, configuration, monitoring, and more. b. Core Content Review major subject areas like system and application monitoring, landscape design, process management, and job management. Then dial in with important terminology, and key takeaways for each subject. c. Q&A After reviewing each chapter, test your skills with in-depth questions and answers for each section and improve your test-taking skills. 1) C\_SM100\_7205 2) Configuration 3) Architecture 4) Lifecycle management 5) Landscape management 6) Monitoring 7) Maintenance 8) Process and job management 9) SAP EarlyWatch Alert

**Practical Guide to SAP HANA and Big Data Analytics** - Dominique Alfermann 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 Auditing SAP Systems** - Martin Metz 2019-04-05

What do I need to do to successfully complete an SAP system audit? Get expert guidance on the top 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

**SAP HANA Security** - Jonathan Haun 2017

**Authorizations in SAP S/4HANA and SAP Fiori** - Alessandro Banzer 2022

Develop a complete authorization concept for SAP S/4HANA and SAP Fiori with this guide! Start by understanding how authorizations work in an ABAP system and exploring the transactions used for configuration. Then learn to create roles with Transaction SU24 and the Profile Generator, track and correct missing authorizations with traces, and more.

**SAP HANA on IBM Power Systems: High Availability and Disaster Recovery Implementation Updates** - Dino Quintero 2019-07-16

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.

**SAP Cloud Platform Integration** - John Mutumba Bilay 2020

Bring your cloud and on-premise applications together with SAP Cloud Platform Integration! Learn how to integrate processes and data in your system, step-by-step, by developing and configuring integration flows in the Cloud Foundry and Neo environments. Explore prepackaged integration content in the integration content catalog, debug and secure integration projects, enable B2B integration, develop custom adapters, and more. With this guide, master SAP Cloud Platform Integration! a. Fundamentals Find out how SAP Cloud Platform Integration fits into SAP's cloud strategy. Whether you're in the Cloud Foundry or Neo environment, explore its architecture and tools, and learn how to run your first integration flow. b.

Integration Development Using prepackaged integration content? Developing custom integrations? Either way, this guide has you covered with step-by-step instructions and screenshots. Master the SAP Cloud Platform Integration runtime, including processes like debugging and error handling. c. Updated and Expanded Revised to include new SAP Cloud Platform Integration features including open connectors, ELSTER integration, AMQP and JMS adapters, integration flow processing simulation, and how to use the service on both Cloud Foundry and Neo. 1) Integration flows 2) Integration content catalog 3) Modeling synchronous and asynchronous scenarios 4) Debugging 5) Security 6) B2B integration 7) Root cause analysis 8) Web UI 9) Message mappings 10) SAP API Management

**SQLScript for SAP HANA** - Jörg Brandeis 2021

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

**SAP S/4HANA System Conversion Guide** - Mark Mergaerts 2020-07-29

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

**Beginner`s Guide to SAP Security and Authorizations** - Tracy Juran 2016-04-14

SAP has a wide range of built-in functionality to meet various security requirements, including network protection, data protection, and SAP authorizations. This book will focus on the application of SAP authorizations and how user access can be limited by transaction codes, organizational levels, field values, etc. Explore the basic architecture of SAP Security and Authorizations, including user master records, roles, profiles, authorization object classes, authorization objects, and authorization fields. Dive into how to create user profiles and assign roles. Get tips on leveraging the profile generator transaction, PFCG. Obtain valuable tools and tables for identifying user master records and role and authorization information. By using practical examples, tips, and screenshots, the author brings readers new to SAP Security and Authorizations up to speed. - Basic architecture of SAP Security and Authorizations - GRC Access Control introduction - User profile creation and role assignments - Common security and authorization pain point troubleshooting

**Securing SAP S/4HANA** - Bert Vanstechelman 2018-10-26

Explore how to protect and defend your SAP S/4HANA applications, Fiori, Gateway, and the SAP HANA database platform. Learn how to create a consistent cross-system authorization concept and translate the technical specifics for each system into a comprehensive and consistent security model. Explore technical security aspects such as privileges and roles, authentication and encryption, and monitoring for S/4HANA. Compare and contrast SAP S/4HANA applications to the SAP ERP security model and identify what has changed. This book is up to date for SAP HANA 2.0! Dive into SAP S/4HANA authorizations and gain an understanding of the impact on the new front-end and database security setup, and why the different levels need to be consistent. Get best practices for SAP Fiori and Gateway. Find out why it is important to secure SAP HANA from an application layer point of view, as well as a database point of view. Take an in-depth look at how to secure the SAP Application Server, database, operating system, and the network infrastructure. - Effectively secure SAP S/4HANA, Fiori, and Gateway - Privileges and roles, authentication, encryption, and monitoring - Mobile access and SSO considerations - Cross-system authorization concepts and implementation

**SAP HANA Certification Guide** - Rudi de Louw 2016-02-01

**SAP HANA 2.0** - Denys Van Kempen 2019

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 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 Legend of Mercersburg** - J. Robert Heckman 1998

**SAP HANA 2.0 Security Guide** - Jonathan Haun 2020

Your complete guide to safeguarding your SAP HANA 2.0 platform awaits! Get step-by-step instructions for configuring and maintaining each security element, from the new SAP HANA cockpit to privileges and roles. Learn how to secure database objects and provision and maintain user accounts. Then, dive into managing authentications, certificates, audits, and traces. Highlights include: 1) SAP HANA cockpit 2) Privileges 3) Catalog objects 4) User accounts 5) Roles 6) Authentication 7) Certificate management 8) Encryption 9) Lifecycle management 10) Auditing 11) Security tracing

**Practical Guide to SAP GTS Part 1: SPL Screening and Compliance Management** - Rajen Iyer 2015-10-18

SAP Global Trade Services (GTS) helps companies maximize supply chain performance and reduces the overall cost and risk of global trade by ensuring regulatory compliance, accelerating trade activity, and enabling trade compliance automation. The Practical Guide to SAP GTS helps the user navigate the system, while offering compliance insight to maximize their return on investment. Dive into difficult-to-navigate menus and review available functionality. Using screenshots and detailed instructions, readers will obtain best practices for meeting and exceeding compliance standards. Includes suggested audit plans to sustain long term compliance. The book is current to version 10.1 and explores version 11.0 and its new features. This book offers: - Tips and tricks for leveraging SAP GTS to automate trade compliance - Walk step by step through business processes - Overview of regulatory requirements and compliance suggestions - Review of Version 11.0 with screenshots

**SAP HANA Administration** - Richard Bremer 2014-07-01

Who says that a leopard can't change its spots? With the advent of SAP HANA, database administration is evolving - and you can evolve along with it. In this title, you can learn how traditional administration concepts are applied in SAP HANA, and find out about the new concepts relevant to an in-memory database.

**SAP Backup using Tivoli Storage Manager** Budi Darmawan 2013-04-26

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 Fiori Certification Guide** - Krishna Kishor Kammaje 2018

SAP Fiori strategy, standards, and guidelines -- SAP cloud platform and web IDE basics -- Extensibility in SAPUI5 -- Deployment

**SAP Cloud Platform Certification Guide** Femia 2019

Developers! Make the grade with this SAP Cloud Platform certification study guide. From application development and integration to mobile services and the Internet of Things, this guide will review the key technical and functional knowledge you need to pass with flying colors. Explore test methodology, key concepts for each topic area, and practice questions and answers to solidify your knowledge. Your path to SAP Cloud Platform certification begins here! a. Test Structure Prepare with up-to-date information on each topic covered in the C\_CP\_13 exam, including application development, extension, and integration. b. Core Content Review major subject areas like architecture, the Cloud Foundry and Neo development environments, SAP Cloud Platform Internet of Things, and SAP Cloud Platform Mobile Services. Then dial in with important terminology, and key takeaways for each subject. c. Q&A After reviewing chapters, test your skills with in-depth questions and answers for each section and improve your test-taking skills. 1) C\_CP\_13 2) Architecture 3) Development, extension, and integration 4) SAP Cloud Platform Mobile Services 5) SAP Cloud Platform Internet of Things 6) SAP Cloud Platform SDK 7) SAP Cloud Platform SDK for the Neo environment 8) Cloud Foundry 9) Java 10) SAP HANA XS 11) SAPUI5

**Security for SAP Cloud Systems** - Ming Chang 2019

Discover the tools you can use to protect your data: single sign-on, the code vulnerability analyzer, SAP Solution Manager, and more.

**SAP on Azure Implementation Guide** - Nick Morgan 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/4HANA Book 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 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.

**Migrating to SAP S/4HANA** Frank Densborn 2017

**SAP BW/4HANA and BW on HANA** - Frank Riesner, Klaus-Peter Sauer 2017-09-22

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

**SAP HANA Cookbook** - Chandrasekhar Mankala 2013-12-24

An easy-to-understand guide, covering topics using practical scenarios and live examples, and answering all possible questions. If you are a solution architect, developer, modeler, sales leader, business transformation managers, directors, COO, or CIO; this book is perfect for you. If you are interested in other technologies and want to jump-start into SAP, this book gives you the chance to learn SAP HANA. Basic knowledge of RDBMS concepts enough is to get you started.

**IBM Software for SAP Solutions** - Yaro Dunchych 2015-09-29

SAP is a market leader in enterprise business application software. SAP solutions provide a rich set of composable application modules, and configurable functional capabilities that are expected from a comprehensive enterprise business application software suite. In most cases, companies that adopt SAP software remain heterogeneous enterprises running both SAP and non-SAP systems to support their

business processes. Regardless of the specific scenario, in heterogeneous enterprises most SAP implementations must be integrated with a variety of non-SAP enterprise systems: Portals Messaging infrastructure Business process management (BPM) tools Enterprise Content Management (ECM) methods and tools Business analytics (BA) and business intelligence (BI) technologies Security Systems of record Systems of engagement The tooling included with SAP software addresses many needs for creating SAP-centric environments. However, the classic approach to implementing SAP functionality generally leaves the business with a rigid solution that is difficult and expensive to change and enhance. When SAP software is used in a large, heterogeneous enterprise environment, SAP clients face the dilemma of selecting the correct set of tools and platforms to implement SAP functionality, and to integrate the SAP solutions with non-SAP systems. This IBM® Redbooks® publication explains the value of integrating IBM software with SAP solutions. It describes how to enhance and extend pre-built capabilities in SAP software with best-in-class IBM enterprise software, enabling clients to maximize return on investment (ROI) in their SAP investment and achieve a balanced enterprise architecture approach. This book describes IBM Reference Architecture for SAP, a prescriptive blueprint for using IBM software in SAP solutions. The reference architecture is focused on defining the use of IBM software with SAP, and is not intended to address the internal aspects of SAP components. The chapters of this book provide a specific reference architecture for many of the architectural domains that are each important for a large enterprise to establish common strategy, efficiency, and balance. The majority of the most important architectural domain topics, such as integration, process optimization, master data management, mobile access, Enterprise Content Management, business intelligence, DevOps, security, systems monitoring, and so on, are covered in the book. However, there are several other architectural domains which are not included in the book. This is not to imply that these other architectural domains are not important or are less important, or that IBM does not offer a solution to address them. It is only reflective of time constraints, available resources, and the complexity of assembling a book on an extremely broad topic. Although more content could have been added, the authors feel confident that the scope of architectural material that has been included should provide organizations with a fantastic head start in defining their own enterprise reference architecture for many of the important architectural domains, and it is hoped that this book provides great value to those reading it. This IBM Redbooks publication is targeted to the following audiences: Client decision makers and solution architects leading enterprise transformation projects and wanting to gain further insight so that they can benefit from the integration of IBM software in large-scale SAP projects. IT architects and consultants integrating IBM technology with SAP solutions.

**SAP HANA 2.0 Administration** - Shivaji Patnaik 2019

"The SAP HANA 2.0 administration guide is here! Explore the main principles of SAP HANA administration: system administration, table and object management, user and authorization management, and security. Follow example scenarios to see SAP HANA 2.0 administration in action, including step-by-step instructions and screenshots. From installation and deployment to troubleshooting and performance analysis, get everything you need to administrate SAP HANA"--

*Implementing High Availability and Disaster Recovery Solutions with SAP HANA on IBM Power-Systems* - Dino Quintero 2018-02-05

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.

*IBM Power Systems Security for SAP Applications* - Dino Quintero 2020-02-19

This IBM Redpaper highlights the RAS and security features on the hardware, hypervisor, Linux, and SAP application levels. It highlights what is transparent, what needs enablement, and also the known prerequisites for the use of these features.

SAS 9.2 Intelligence Platform - SAS Institute 2009-02

Explains the security model for the SAS Intelligence Platform and provides instructions for performing security-related administrative tasks. The emphasis is on suite-wide aspects of the security functionality that SAS provides.

SAP Bw/4hana 2.0 - Thorsten Lütke 2021-01-26

"Ready for SAP BW/4HANA 2.0? This comprehensive guide will teach you all there is to know about the next generation business warehouse from SAP! Start with a fresh installation or migrate from an existing system. Then understand the new architecture, explore administration tasks with SAP HANA Studio, learn to model and analyze data, and find out how to connect to frontend BI tools"--

*SAP HANA 2.0 Certification Guide* - Rudi De Louw 2017

**SAP S/4HANA Finance for Group Reporting** - Ann Cacciottoli 2020-11-12

Preparing consolidated financial statements for an enterprise with a parent and one or more subsidiaries requires a detailed review of underlying transactions in order to properly reflect results and financial position. For large, integrated, and multinational organizations, likely with millions of transactions, it is imperative that the financial accounting software facilitate this process. This expertly written guide focuses on leveraging SAP S/4HANA Finance for group reporting. Explore key functionality and how the universal journal has led to the evolution of the group reporting solution. Using a detailed case study, the author discusses configuration and master data and walks the reader through the period-end process for consolidation and explores reports using financial transactions that have already been entered into SAP S/4HANA Finance for group reporting. Explore reports delivered with SAP S/4HANA Finance for group reporting. This book is targeted at both finance professionals and the functional consultants who perform the configuration and execution of processes for preparing consolidated financial statements. By using practical examples, tips, and screenshots, this book covers: - SAP S/4HANA Finance for group reporting and the universal journal - Configuration and master data - Period-end process for consolidation - Reporting and analysis

**SAP System Security Guide** - Joe Markgraf 2018-07-26

Implementing SAP HANA - Jonathan Haun 2013

Implement SAP HANA as a standalone data warehouse Integrate SAP Data Services and the SAP BusinessObjects BI tools with SAP HANA Benefit from step-by-step instructions, technical details, and downloadable data for every step In the new SAP HANA era, processes that once took weeks now take days, hours, or even minutes. Truly take advantage of this bold jump forward with this resource for a standalone SAP HANA implementation. Master data loading with SAP Data Services, data modeling in SAP HANA, and then SAP HANA integration with SAP BusinessObjects BI for reporting and analytics. From general concepts to specific implementation steps and a real-world case study, this book offers the practical details about implementing SAP HANA that will shift your system into high gear. Data Storage See how SAP HANA has fundamentally changed data storage with column store tables that improve compression and, consequently, performance. SAP Data Services Avoid fast trash. Preprovision your data using source system analysis, profiling tools, and mapping to load high-quality data into SAP HANA. SAP HANA Studio Dive into SAP HANA-specific data modelling components like the attribute, analytic, and calculation views that produce quality multidimensional models. Connecting SAP HANA with BI Deliver sophisticated data visualization and analysis by integrating SAP BusinessObjects Design Studio, SAP Lumira, SAP Predictive Analysis, and more with SAP HANA. Hands-On Case Study Take SAP HANA for a test drive. Download the data for the fictitious AdventureWorks Cycle Company's implementation and follow along every step of the way. Highlights Source system analysis SAP Data Services Analytic, attribute, and calculation views SAP

HANA Studio Columnar database technology Denormalization Information Design Tool SAP Information Steward SAP Predictive Analysis SAP BusinessObjects BI toolset SAP Lumira

**SAP HANA and ESS: A Winning Combination** - Olaf Weiser 2018-08-16

SAP HANA on IBM® POWER® is an established HANA solution with which customers can run HANA-based analytic and business applications on a flexible IBM Power based infrastructure. IT assets, such as servers, storage, and skills and operation procedures, can easily be used and reused instead of enforcing more investment into dedicated SAP HANA only appliances. In this scenario, IBM Spectrum™ Scale as the underlying block storage and files system adds further benefits to this solution stack to take advantage of scale effects, higher availability, simplification, and performance. With the IBM Elastic Storage™ Server (ESS) based on IBM Spectrum Scale™, RAID capabilities are added to the file system. By using the intelligent internal logic of the IBM Spectrum Scale RAID code, reasonable performance and significant disk failure recovery improvements are achieved. This IBM Redpaper™ publication focuses on the benefits and advantages of implementing a HANA solution on top of IBM Spectrum Scale storage file system. This paper is intended to help experienced administrators and IT specialists to plan and set up an IBM Spectrum Scale cluster and configure an ESS for SAP HANA workloads. It provides important tips and bestpreferred practices about how to manage IBM Spectrum Scale's availability and performance. If you are familiar with ESS, IBM Spectrum Scale, and IBM Spectrum Scale RAID, and you need only the pertinent documentation about how to configure a IBM Spectrum Scale cluster with an ESS for SAP HANA, see Chapter 5, "IBM Spectrum Scale customization for HANA" on page 25. Before reading this IBM Redpaper publication, you should be familiar with the basic concepts of IBM Spectrum Scale and IBM Spectrum Scale RAID. This IBM Redpaper publication can be helpful for architects and specialists who are planning an SAP HANA on POWER deployment with the IBM Spectrum Scale file system. For more information about planning

considerations for Power, see the SAP HANA on Power Planning Guide.

[Microservices in SAP HANA XSA](#) - Sergio Guerrero 2020-08-13

Build enterprise-grade microservices in the SAP HANA Advanced Model (XSA). This book explains building scalable APIs in XSA and the benefits of building microservices with SAP HANA XSA. This book covers the cloud foundry (CF) architecture and how SAP HANA XSA follows the model. It begins with the details of the different architectural layers of applications hosted in XSA (specifically, microservices). Everything you need to know is presented, including analyzing requests, modularization, database ingestion, building JSON responses, and scaling your microservices. You will learn to use developmental tools such as the SAP WEB IDE, POSTMAN, and the SAP HANA Cockpit for XSA, including debugging examples on SAP HANA XSA with code snippets showing how microservices can be developed, debugged, scaled, and deployed on SAP HANA XSA. Microservices are divided into security and authentication, request handling, modularization of Node.js, and interaction with the SAP HANA database containers and response formatting. An end-to-end scenario is presented of a Node.js REST API that uses HTTP methods, concluding with deploying an SAP HANA XSA project to a production environment. This book is simple enough to help you implement a Node.js module in order to understand the development of microservices, and complex enough for architects to design their next business-ready solution integrating UAA security, application modularization, and an end-to-end REST API on SAP HANA XSA. What You Will Learn Know the definition and architecture of cloud foundry and its application on SAP HANA XSA Understand REST principles and different HTTP methods Explore microservices (Node.js) development Database interaction from Node (executing SQL statements and stored procedures) Who This Book Is For Architects designing business-ready solutions that integrate UAA security, application modularization, and an end-to-end REST API on SAP HANA XSA