

Sap Hana Security Guide

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[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.

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.

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

SAP HANA 2.0 Certification Guide - Denys Van Kempen 2020

Preparing for your SAP HANA 2.0 technology associate exam? Make the grade with this C - HANATEC - 16 certification study guide! From installation and configuration to monitoring and troubleshooting, this guide will review the key technical and functional knowledge you need to pass with flying colors. Explore test

methodology, key concepts for each area, and practice questions and answers. Your path to SAP HANA 2.0 certification begins here! --

Migrating to SAP S/4HANA - Frank Densborn 2017

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 Cloud Platform Certification Guide - Ivan 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

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 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

SAS 9.2 Intelligence Platform - SAS
Publishing 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 System Security Guide - Joe
Markgraf 2018-07-26

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.

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

IBM PowerVC Version 2.0 Introduction and Configuration - Scott Vetter

2021-05-26

IBM® Power Virtualization Center (IBM® PowerVCTM) is an advanced enterprise virtualization management offering for IBM Power Systems. This IBM Redbooks® publication introduces IBM PowerVC and helps you understand its functions, planning, installation, and setup. It also shows how IBM PowerVC can integrate with systems management tools such as Ansible or Terraform and that it also integrates well into a OpenShift container environment. IBM PowerVC Version 2.0.0 supports both large and small deployments, either by managing IBM PowerVM® that is controlled by the Hardware Management Console (HMC), or by IBM PowerVM NovaLink. With this capability, IBM PowerVC can manage IBM AIX®, IBM i, and Linux workloads that run on IBM POWER® hardware. IBM PowerVC is available as a Standard Edition, or as a Private Cloud Edition. IBM PowerVC includes the following features and benefits: Virtual image capture, import, export, deployment, and management Policy-based virtual machine (VM) placement to improve server usage Snapshots and cloning of VMs or volumes

for backup or testing purposes Support of advanced storage capabilities such as IBM SVC vdisk mirroring of IBM Global Mirror Management of real-time optimization and VM resilience to increase productivity VM Mobility with placement policies to reduce the burden on IT staff in a simple-to-install and easy-to-use graphical user interface (GUI) Automated Simplified Remote Restart for improved availability of VMs ifor when a host is down Role-based security policies to ensure a secure environment for common tasks The ability to enable an administrator to enable Dynamic Resource Optimization on a schedule IBM PowerVC Private Cloud Edition includes all of the IBM PowerVC Standard Edition features and enhancements: A self-service portal that allows the provisioning of new VMs without direct system administrator intervention. There is an option for policy approvals for the requests that are received from the self-service portal. Pre-built deploy templates that are set up by the cloud administrator that simplify the deployment of VMs by the cloud user. Cloud management policies that simplify management of cloud deployments. Metering data that can be used for chargeback. This publication is for experienced users of IBM PowerVM and other virtualization solutions who want to understand and implement the next generation of enterprise virtualization management for Power Systems. Unless stated otherwise, the content of this publication refers to IBM PowerVC Version 2.0.0.

SAP HANA - Bjarne Berg 2013

For the executive: what SAP HANA is and how it can help you For the practitioner: details on data modeling, data provisioning, and the SAP HANA client tools For everyone: the latest and greatest developments Suite on SAP HANA, advanced applications for SAP HANA, and more 2nd edition updated and expanded HANA is shifting SAP into high gear don t get left in the dust. In this updated edition of our best-selling book, explore the what, why, when, and how of SAP HANA. From building a business strategy to

administering a system (and all the pit stops in between), you'll have the big picture you need to get started. Buckle up, because this is one car that doesn't travel in the slow lane. Business Strategy Learn how big data, in-memory computing, and SAP HANA come together to influence your business strategies, from trend reporting to predictive analysis. Implementation Options Which type of SAP HANA implementation is right for you? Learn what you need to know about your different options, and get started planning an implementation: technical requirements, sizing, and migration considerations. Data Modeling and Provisioning Introduce yourself to Studio and Information Composer, SAP HANA's data modeling tools. Then get information about data provisioning in SAP HANA, including step-by-step instructions for SAP Data Services. SAP BusinessObjects BI Understand how the SAP BusinessObjects BI platform hooks up to SAP HANA, including information on SAP BusinessObjects Design Studio and SAP Visual Intelligence. Administration Take a look into the SAP HANA Administration Console and understand the most important administrative tasks in an SAP HANA system.

SAP HANA Administration - Richard Bremer 2014

Learn how traditional administration concepts are applied in SAP HANA, and find out about the new concepts relevant to an in-memory database.

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 best-preferred 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.

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.

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

SAP BusinessObjects BI Security - Christian Ah-Soon 2012-11-30

How secure is your SAP BusinessObjects environment? Find out with this book, which will shore up your understanding of the basic concepts involved in securing data

and teach you the practical, technical steps you'll need. Explore the frameworks, properties, and data sources of the SAP BusinessObjects suite. Up to date for release 4.0 FP3 and applicable to earlier releases, this comprehensive guide is the key to locking down your system.

Learn HANA in 1 Day - Krishna Rungta 2017-05-04

SAP Hana is popular due to its large main memories and massive parallel job processing capabilities. It makes SAP Hana real fast. The motive of this book is to develop a good understanding of how SAP Hana is used. The book doesn't need any experience with SAP HANA or software development. It's a self-learning guide that even beginners can use. Everything about SAP HANA is explained like architecture, modeling, reporting, SQL script, and so on. This book is full of information, hands-on and real life project experience learning. In this edition, you will identify various components of SAP HANA and its working process. Though the book size is small, it tried to justify almost all important topics of SAP HANA with examples and images.

These includes SLT, the connection between SAP system and HANA, Data services, etc. You will also learn how to use SQL script in HANA. By the end of this book, you will be able to integrate SAP HANA pretty much with any platform. Over a time you can use this edition as a handbook and harness your SAP Hana skills. So all and above this edition will save a lot of your expenses spend behind other courses and learning resources. Table Content Chapter 1: Introduction Introduction SAP HANA Why to choose SAP HANA? SAP HANA In-Memory Strategy SAP HANA Advantages SAP HANA Compare to BWA (Business Warehouse Accelerator) Chapter 2: Hana Architecture SAP HANA Architecture SAP HANA Landscape SAP HANA Sizing Chapter 3: SAP HANA Studio Pre-Requisite for SAP HANA Studio Supported Platform Download & Install SAP HANA Studio Add System in SAP HANA Studio Work With SAP HANA Studio Chapter 4: SQL Script, Data Type,

Trigger, Sequence, Operator, Function, Expression, Identifiers What is SAP HANA SQL SAP HANA Identifiers SAP HANA Data Type SAP HANA Operator SAP HANA SQL FUNCTIONS SAP HANA SQL EXPRESSIONS SAP HANA SQL Stored Procedure SAP HANA Create Sequence SAP HANA Create Trigger Chapter 5: Data Provisioning Overview of Replication Technology SLT (SAP Landscape Transformation Replication Server) SAP DS (SAP DATA Services) SAP HANA Direct Extractor Connection (DXC) Flat file Upload to SAP HANA Chapter 6: Modeling SAP HANA Modelling Overview Join Method in SAP HANA SAP HANA Best Practices for Creating Information Models SAP HANA Attribute View SAP HANA Analytic View SAP HANA Calculation View SAP HANA Analytic Privileges SAP HANA Information Composer SAP HANA Import and Export SAP HANA Performance Optimization Technique Chapter 7: Security SAP HANA Security Overview SAP HANA Authentication SAP HANA Authorization SAP HANA User and Role Administration SAP HANA License Management SAP HANA Auditing Chapter 8: Reporting Reporting In SAP BI (Business Intelligence) Overview Reporting In Webi of SAP Business Objects (BO) on HANA Reporting In Crystal Report Reporting In SAP Lumira Reporting In Microsoft Excel

SAP Security Configuration and Deployment

- Joey Hirao 2008-11-18

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 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.

[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

The SAP Green Book - Michael Doane
2012

System up and running, project complete? Think twice! Read The SAP Green Book to learn how to continuously align your business with IT, and understand how best benefit from your SAP implementation. Written with the background of 15+ years of SAP implementation and post-implementation experience, this book is your guide to a truly successful and sustainable SAP project. Whether its learning how to create a Center of Excellence, how to keep your end users up to date, or how to accelerate your ROI: This book is a must-read for all managers new to SAP!

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

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 HANA Certification Guide - Rudi De Louw
2016

Preparing for the big exam? Whether it's your first time or you're looking to recertify, take the stress out of the test with this guide to SAP HANA's C_HANAIMP_11 exam! Begin by reviewing the exam

structure before walking through important terms and key concepts from each portion of the exam. Then, test your knowledge with over 200 different practice questions and answers! Discover the comprehensive coverage you need to advance your career, hone your HANA skills, and make the grade! In this book, you'll learn about:

- a. Exam Structure Know what to expect to prepare for the SPS 11 exam! Walk through each topic covered with information on the latest HANA release.
- b. Key Topics and Objectives Each chapter covers key concepts for individual portions of the exam, allowing you to focus on only the most relevant topics.
- c. Q & A After reviewing the chapters, study up with practice questions and answers to improve your test-taking skills!

Highlights:
C_HANAIMP_11 Deployment scenarios
Calculation views of type dimension
Calculation views of type cube
Calculation views of type cube with star join
Data model optimization and administration
Security Reporting
SAP HANA Live Data provisioning

SAP Performance Optimization Guide - Thomas Schneider 2018-01-28

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/ABAP HANA PROGRAMMING - Sudipta Malakar 2018-06-06

DESCRIPTION The book has been written in such a way that the concepts are explained in detail, giving adequate emphasis on examples. To provide clarity on the programming examples, logic is properly explained and discussed by using

comments in the program itself. The topics covered in this book include starting the software using snapshots of the same and writing programs. Simple to complex SAP/ABAP HANA examples are provided in detail, considering the requirement of IT consultants the basic idea of developing projects in it. The examples provided in this book are user-focused and are provided through sections, figures, and examples.

KEY FEATURES Comprehensive coverage of SAP / ABAP HANA with emphasis on real-time case studies. Practical examples along with Screen personas, SAP Fiori cloud, OPEN SQL, Native SQL & ADBC, CDS support in SAP NW ABAP 7.4 SP5, SAP HANA Studio, performance enabler Rules & guidelines. Simple language, crystal clear approach, straightforward comprehensible presentation. Concepts are duly supported with examples. Topic coverage with the aim to fill the skill gap between industry and academia. SAP Business Suite powered by SAP HANA are helpful for developing projects for IT consultants

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 HANA Security Guide](#) - Jonathan Haun 2017

This book focusses on key aspects of the SAP HANA security model, including user provisioning, role creation, privilege assignment, encryption, auditing, and authentication.

[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

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.

SAP HANA on IBM Power Systems Backup and Recovery Solutions - Dino Quintero 2021-05-27

This IBM® Redpaper Redbooks publication provides guidance about a backup and recovery solution for SAP High-performance Analytic Appliance (HANA) running on IBM Power Systems. This publication provides case studies and how-to procedures that show backup and recovery scenarios. This publication provides information about how to protect data in an SAP HANA environment by using

IBM Spectrum® Protect and IBM Spectrum Copy Data Manager. This publication focuses on the data protection solution, which is described through several scenarios. The information in this publication is distributed on an as-is basis without any warranty that is either expressed or implied. Support assistance for the use of this material is limited to situations where IBM Spectrum Scale or IBM Spectrum Protect are supported and entitled, and where the issues are specific to a blueprint implementation. The goal of the publication is to describe the best aspects and options for backup, snapshots, and restore of SAP HANA Multitenant Database Container (MDC) single and multi-tenant installations on IBM Power Systems by using theoretical knowledge, hands-on exercises, and documenting the findings through sample scenarios. This document provides resources about the following processes: Describing how to determine the best option, including SAP Landscape aspects to back up, snapshot, and restore of SAP HANA MDC single and multi-tenant installations based on IBM Spectrum Computing Suite, Red Hat Linux Relax and Recover (ReAR), and other products. Documenting key aspects, such as recovery time objective (RTO) and recovery point objective (RPO), backup impact (load, duration, scheduling), quantitative savings (for example, data deduplication), integration and catalog currency, and tips and tricks that are not covered in the product documentation. Using IBM Cloud® Object Storage and documenting how to use IBM Spectrum Protect to back up to the cloud. SAP HANA 2.0 SPS 05 has this feature that is built in natively. IBM Spectrum Protect for Enterprise Resource Planning (ERP) has this feature too. Documenting Linux ReAR to cover operating system (OS) backup because ReAR is used by most backup products, such as IBM Spectrum Protect and Symantec Endpoint Protection (SEP) to back up OSs. This publication targets technical readers including IT specialists, systems architects, brand specialists, sales

teams, and anyone looking for a guide about how to implement the best options for SAP HANA backup and recovery on IBM Power Systems. Moreover, this publication provides documentation to transfer the how-to-skills to the technical teams and solution guidance to the sales team. This publication complements the documentation that is available at IBM Knowledge Center, and it aligns with the educational materials that are provided by IBM Garage™ for Systems Technical Education and Training.

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 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

Real Time Analytics with SAP HANA -

Vinay Singh 2015-10-30

Enhance your SAP HANA skills using this step-by-step guide to creating and reporting data models for real-time analytics About This Book This book will help you to process analytical and transactional data in real time with the help of SAP HANA. Walk through the steps of the data modeling process and build various data models and artifacts in SAP HANA Studio. Packed with rich examples and use cases that are closely focused on developing real-time applications. Who This Book Is For If you are a SAP HANA data modeler, developer, implementation/migration consultant,

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

to-follow, step-by-step, rapid guide to help you learn analytics in SAP HANA through ample hands-on exercises and use case scenarios.

Practical Guide to SAP Core Data

Services (CDS) - Deepa Rawat 2019-12-09

Core Data Services (CDS) is SAP's method of defining persistent data models in the database layer. CDS is a key piece of the SAP HANA landscape, speeding up data retrieval by pushing database processing to the database engine. This books provides a practical introduction to the SQL-based functionality and methods. Learn how to use SAP HANA Studio to utilize perspectives to create objects in the SAP HANA database, including the SAP HANA development perspective. Use syntax to create non-CDS database artifacts via SAP HANA Studio development perspective using SAP HANA XS Classic. Explore CDS artifacts, how to use SAP HANA XS to define an artifact, and dive into a detailed example of how to create objects using a CDS concept. Learn how to create CDS objects using SAP HANA web-based development workbench, SAP Web IDE for SAP HANA, and SAP HANA Studio ABAP Workbench. Explore two methods to extract data from CDS views using ABAP. - Get an introduction to CDS and SAP HANA Studio - Create CDS views and code new structures in ABAP - Use templates, associations, and annotations - Explore select clauses and aggregate functions

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.