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An Introduction

SAP S/4HANA Embedded Analytics

LILLY BOONE**Project Management for SAP S/4HANA** SAP PRESS

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

An Introduction SAP PRESS

"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 Leonardo SAP Press

How do you run your warehouse with SAP S/4HANA? This comprehensive guide has the answers! Begin by setting up your embedded Extended Warehouse Management (EWM) system using organizational structures and master data. Then master your essential processes such as goods issue and receipt, putaway, picking, and taking inventory. Bring everything together with information on advanced tasks like cross-docking, value-added services, kitting, and integration with SAP TM and SAP GTS!--

Data Modeling for SAP HANA 2.0 SAP PRESS

What will your financial transformation look like? This introduction to SAP S/4HANA Finance shows you next-generation finance in the new suite: financial accounting, management accounting, risk management, financial planning, and more. Consider how each process works in SAP S/4HANA, and explore the SAP Fiori apps that help you meet today's business user and reporting requirements. From previewing project planning to navigating deployment options, take your first steps toward financial transformation! a. The Basics Explore financial transformation with SAP's new platform. Discover the system, the database, the UI, and more--all from a business perspective. Then, understand how an SAP S/4HANA Finance implementation would impact your organization. b. Core Processes Financial transformation affects every process. See what SAP S/4HANA does for management accounting, treasury and risk management, financial close, consolidation, reporting,

and more. c. From Planning to Go-Live Get a head start on project preparation! See how SAP S/4HANA Finance fits into your IT landscape, and explore your deployment options: on-premise, hybrid, or cloud. Highlights Include: 1) Universal Journal 2) SAP HANA 3) Management accounting 4) Financial close and consolidation 5) Reporting and analytics 6) Treasury and Risk Management 7) SAP Fiori applications 8) Deployment and adoption 9) Financial transformation 10) SAP S/4HANA **Implementing Machine Learning with SAP S/4HANA** SAP PRESS

Imagine you are a business user, consultant, or developer about to enter an SAP S/4HANA implementation project. You are well-versed with SAP's product portfolio and you know that the preferred reporting option in S/4HANA is embedded analytics. But what exactly is embedded analytics? And how can it be implemented? And who can do it: a business user, a functional consultant specialized in financial or logistics processes? Or does a business intelligence expert or a programmer need to be involved? Good questions! This book will answer these questions, one by one. It will also take you on the same journey that the implementation team needs to follow for every reporting requirement that pops up: start with assessing a more standard option and only move on to a less standard option if the requirement cannot be fulfilled. In consecutive chapters, analytical apps delivered by SAP, apps created using Smart Business Services, and Analytical Queries developed either using tiles or in a development environment are explained in detail with practical examples. The book also explains which option is preferred in which situation. The book covers topics such as in-memory computing, cloud, UX, OData, agile development, and more. Author Freek Keijzer writes from the perspective of an implementation consultant, focusing on functionality that has proven itself useful in the field. Practical examples are abundant, ranging from "codeless" to "hardcore coding." What You Will Learn Know the difference between static reporting and interactive querying on real-time data Understand which options are available for analytics in SAP S/4HANA Understand which option to choose in which situation Know how to implement these options Who This Book is For SAP power users, functional consultants, developers

SAP S/4HANA Embedded Analytics SAP PRESS

You've worked with ABAP, SAP Fiori, and OData--now see how these technologies and more come together in the ABAP RESTful programming model! Build on your expertise to create cloud-ready applications for SAP S/4HANA and deploy applications to the SAP Fiori launchpad. Manage applications with Git version control, automated testing, and continuous integration. Make the new model work for you! 1) ABAP RESTful programming model 2) End-to-end development 3) SAP S/4HANA 4) SAP Fiori Elements 5) Business objects 6) Deployment 7) Core data services (CDS) 8) OData services 9) Automated testing 10) Continuous integration 11) SAP Cloud Platform a. ABAP RESTful Programming Model Develop web-based SAP HANA-optimized ABAP applications for SAP S/4HANA. Master the new ABAP RESTful programming model, from queries, business objects, and business services, to its relationship to SAP Fiori and SAP Gateway. b. SAP Fiori Elements and Freestyle Applications Get the step-by-step instructions you need to create list reports, overview pages, analytical list pages, and freestyle applications. See how the ABAP RESTful programming model incorporates core data services, business object behaviors, OData, and more. c. Deployment and Operations Once your applications are developed, deploy them to the SAP Fiori launchpad. Implement Git version control, automated backend and frontend testing, and continuous integration.

Implementing SAP S/4HANA SAP PRESS

"See how SAP S/4HANA will change your BI processes! Explore the embedded analytics architecture and data model to learn how to perform analytics on live transactional data. Business user? Walk step-by-step through SAP Smart Business KPIs and multidimensional reporting. Analytics specialist? Master the virtual data model and creating KPIs. Jack of all trades? Create CDS views, apply custom fields and logic, or see what's coming up with machine learning. This is your complete guide to SAP S/4HANA embedded analytics!"--

SAP Fiori Implementation and Development Espresso Tutorials GmbH

Put machine learning to work in SAP S/4HANA! Get started by reviewing your available tools and implementation options. Then, learn how to set up services, train models, and manage applications. Discover how machine learning is implemented in key lines of business, from finance to sales. With details on extensibility and related SAP Cloud Platform services, you'll find everything you need to make the most of machine learning! In this book, you'll learn about: a. Tools and Technologies Get to know the machine learning toolkit you can use to consume models: SAP HANA, SAP Cloud Platform, SAP Analytics Cloud, SAP Intelligent Robotic Process Automation, and more. b. Technical Implementation Perform the technical setup in SAP S/4HANA. Learn how to implement key services, train machine learning models, and manage applications, from data integration to user interface design. c. Business Implementation See how machine learning improves your lines of business. Explore machine learning in SAP S/4HANA business processes for finance, procurement, sales, inventory, and more. Highlights Include: 1) Predictive analytics 2) Predictive intelligence 3) Tools and technologies 4) Architecture 5) Embedded services 6) Technical implementation 7) Business implementation 8) Extensibility 9) SAP HANA 10) SAP Cloud Platform 11) SAP Analytics Cloud
First Steps in SAP S/4HANA Embedded Analytics Espresso Tutorials GmbH

This book offers a comprehensive introduction to SAP Open UI5. The authors expertly bring readers up to speed on SAP UI5 technology utilizing Java Script, HTML, and CSS, and they explain, step by step, how to transition from traditional systems to handheld and mobile devices. Learn more about key OpenUI5 concepts including bootstrapping, controls, views, models, and data binding. Review your library options including JavaScript and CSS, and learn how to use them to increase available functionality. Walk through how to install the UI development toolkit library and set up the development environment. Learn how to leverage controls and evaluate when to use native JavaScript or the OpenUI5 library. Dive into SAP Fiori for SAP applications and walk through five key design principles. See practical examples of how to create applications using UI5. By using practical examples, tips, and screenshots, the author brings readers who are new to SAP Open UI5 up to speed on the fundamentals. - Fundamental OpenUI5 concepts - How to define controls for an application - SAP Fiori applications and design principles - Real-world examples of how to create applications using UI5

SAP Activate SAP PRESS

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
Logistics with SAP S/4HANA SAP PRESS

Dive deep into data modeling with this comprehensive guide to ABAP core data services (CDS). Get the skills you need to create data models with in-depth information on CDS syntax, its key components, and its capabilities. Walk step-by-step through modeling application data in SAP S/4HANA and developing analytical and transactional application models. From creating a CDS view to troubleshooting, this book is your end-to-end source for ABAP CDS. In this book, you'll learn about: a. CDS Data Modeling Master the CDS data modeling process. Understand the syntax and functionality basics, and learn how to define annotations and implement access controls to tailor your data models to your exact specifications. b. Application Modeling Create application models with ABAP CDS. Walk through creating both transactional and analytical application models in SAP S/4HANA, from analytic views and queries to transactional object and service models. c. Testing and Troubleshooting Ensure your applications are seamless. See how to develop and use automated tests for CDS models, and learn how to troubleshoot when errors occur. 1. Highlights Include: 1) Data modeling 2) Annotations 3) Access controls 4) SAP HANA 5) SAP S/4HANA virtual data model (VDM) 6) Analytical and transactional applications 7) CDS-based search 8) Extensions 9) Testing 10) Troubleshooting

SAP S/4HANA Embedded Analytics SAP Press

"See how SAP S/4HANA will change your BI processes! Explore the embedded analytics architecture and data model to learn how to perform analytics on live transactional data. Business user? Walk step-by-step through SAP Smart Business KPIs and multidimensional reporting. Analytics specialist? Master the virtual data model and creating KPIs. Jack of all trades? Create CDS views, apply custom fields and logic, or see what's coming up with machine learning. This is your complete guide to SAP S/4HANA embedded analytics!"--

SAP BW/4HANA and BW on HANA Apress

Meet your BI needs with SAP S/4HANA embedded analytics! Explore the system architecture and data model and learn how to perform analytics on live transactional data. Business user? Walk step-by-step through SAP Smart Business KPIs, dashboards, and multidimensional reporting. Analytics specialist? Master the virtual data model and report creation. Jack of all trades? Create CDS views, apply custom fields and logic, and learn to integrate SAP S/4HANA with SAP Analytics Cloud. This is your complete guide to SAP S/4HANA embedded analytics! Highlights include: 1) Architecture 2) Virtual data model (VDM) 3) CDS views 4) SAP Fiori apps 5) SAP Smart Business 6) Key performance

indicators (KPIs) 7) Dashboards 8) Reporting 9) Data warehousing 10) SAP Analytics Cloud 11) Machine learning

Practical Guide to SAP OpenUI5 SAP Press

New to SAP S/4HANA Cloud? This is the book for you! Get detailed descriptions and screenshots to see what is possible in SAP S/4HANA Cloud, from core functionality like finance and logistics to reporting with embedded analytics and KPIs. Learn how SAP S/4HANA Cloud impacts your users and how it can be extended, integrated, and adopted by your organization. Get information on the latest intelligent technologies to experience the complete solution scope. Discover what SAP S/4HANA Cloud means for your business! Highlights include: 1) User experience 2) Analytics 3) Business processes 4) Extensibility 5) Integration 6) Adoption 7) Lifecycle management 8) Intelligent enterprise 9) Intelligent technologies

First Steps in SAP S/4HANA Embedded Analytics SAP Press

Mit diesem Leitfaden zum operativen Reporting mit SAP S/4HANA Embedded Analytics erstellen Sie aussagekräftige und zeitgemäße Auswertungen auf Basis transaktionaler Daten, ohne den Umweg über ein Business Warehouse (BW) gehen zu müssen. Wie Ihnen das Tool zu einem »Reporting per Knopfdruck« verhelfen kann, zeigt Ihnen der Autor anhand konkreter Fragestellungen aus dem SAP-Finanzwesen und Controlling. Die Beispiele lassen sich problemlos auf andere Unternehmensbereiche übertragen. Aufbauend auf den technischen Grundlagen der Embedded Analytics von SAP lernen Sie, wie Sie zielorientiert Berichte finden und anderen Anwendern bereitstellen sowie bestehende Berichte mittels benutzerdefinierter analytischer Abfragen anpassen. Auch das Erzeugen komplett eigener Berichte über Core Data Services(CDS)- und HANA-Calculation-Views sowie die dazu notwendigen Modellierungstools in SAP S/4HANA – das Eclipse-Tool SAP HANA Studio und die SAP HANA Web-based Development Workbench – werden vorgestellt. Gerade für SAP-Key-User und SAP-Berater, die sich bisher speziell mit SAP BW befassen, bietet das vorliegende Buch einen perfekten Einstieg in die neue Echtzeit-Reporting-Welt von SAP S/4HANA. - Grundlagen von Embedded Analytics verstehen und praxisgerecht anwenden - Standardberichte finden und im Fiori Launchpad bereitstellen - Erweiterung und Anpassung von Standardberichten - Schritt für Schritt von der Anforderung zum kundeneigenen Bericht

Sourcing and Procurement in SAP S/4HANA SAP PRESS

Transform your logistics operations with SAP S/4HANA! With this introduction, see what SAP has in store for each supply chain line of business: sales order management, manufacturing, inventory management, warehousing, and more. Discover how SAP Fiori apps and embedded analytics improve reporting, and explore the intersection between your supply chain processes and new SAP Leonardo technologies. Take your first look at SAP S/4HANA logistics, and see where it will take your business! a. Key Processes Advances in SAP S/4HANA are changing your supply chain. Explore planning and scheduling, transportation management, inventory management, manufacturing, warehousing, sourcing and procurement, plant maintenance, and more! b. The Future of Logistics Uncover what's new and improved in SAP S/4HANA for your logistics LOBs, such as centralized procurement to demand-driven MRP. See how technologies like IoT and machine learning can accelerate your core supply chain processes. c. Migration Once you see the logistics big picture, you can plan your next steps. Learn how to design your roadmap, evaluate your technical and functional

conversion steps, and prepare your system for your desired migration path. 1) Sourcing and procurement 2) Inventory management 3) Warehouse management 4) Production planning 5) Manufacturing operations 6) Plant maintenance 7) Quality management 8) SAP Fiori applications 9) SAP Leonardo technologies 10) Implementation and migration 11) SAP S/4HANA 1809

An Introduction Espresso Tutorials GmbH

With a focus on user experience, this guide teaches readers how to successfully create SAP S/4HANA Fiori elements analytical applications. Follow step-by-step implementation instructions for three popular Fiori analytical applications: Open Orders, Accounts Receivable, and Credit Limit Utilization. Walk through the process of understanding user requirements, performing fit and gap analyses, deriving analytical insights, and creating applications. Identify reusable solutions that will save time and improve the quality of your developments. Review strategies for improving performance and the user experience.- Learn the analytical capabilities of Fiori elements templates- Master metadata-driven development using OData services and annotations based on CDS views- Integrate Fiori elements applications to create drill downs and insight to action scenarios- Become more productive and improve quality with reusable solutions

SAP S/4HANA Cloud SAP PRESS

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

An Introduction SAP PRESS

"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"--
Designing Dashboards with SAP Analytics Cloud SAP PRESS

Dive into this expertly written introduction to embedded analytics in SAP. Get quickly up to speed on the most-important embedded analytics concepts and tools available in SAP S/4HANA. Walk through project activities and get the answer to the question-how much of SAP standard can I use? Obtain an overview of front-end tools including KPIs, multidimensional reporting client, and view/query

browser. Learn how to build your own KPIs and reports. Explore custom query options, including those based on CDS technology and BW modeling tools. Get practical advice for managing roles and authorizations. Dive into a list of the most-frequently asked questions. - Explore SAP S/4HANA

Embedded Analytics - Look at front-end tools including multidimensional clients - Learn how to build your own KPIs and reports - Identify custom query options

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