

Chapter Sap Business Intelligence Overview

An introductory guide for professionals and end-users of SAP and the Business Information Warehouse (BW) data warehouse, this book outlines SAP and BW features and functions, then discusses how to plan and implement a project. Complete information on ERP systems and the characteristics of SAP R/3 software are provided, as well as tips for avoiding common mistakes. The modular format allows users to move easily among chapters that cover SAP R/3 and BW topics.

Learn how to transition from Excel-based business intelligence (BI) analysis to enterprise stacks of open-source BI tools. Select and implement the best free and freemium open-source BI tools for your company's needs and design, implement, and integrate BI automation across the full stack using agile methodologies. Business Intelligence Tools for Small Companies provides hands-on demonstrations of open-source tools suitable for the BI requirements of small businesses. The authors draw on their deep experience as BI consultants, developers, and administrators to guide you through the extract-transform-load/data warehousing (ETL/DWH) sequence of extracting data from an enterprise resource planning (ERP) database freely available on the Internet, transforming the data, manipulating them, and loading them into a relational database. The authors demonstrate how to extract, report, and dashboard key performance indicators (KPIs) in a visually appealing format from the relational database management system (RDBMS). They model the selection and implementation of free and freemium tools such as Pentaho Data Integrator and Talend for ELT, Oracle XE and MySQL/MariaDB for RDBMS, and QlikSense, Power BI, and MicroStrategy Desktop for reporting. This richly illustrated guide models the deployment of a small company BI stack on an inexpensive cloud platform such as AWS. What You'll Learn You will learn how to manage, integrate, and automate the processes of BI by selecting and implementing tools to: Implement and manage the business intelligence/data warehousing (BI/DWH) infrastructure Extract data from any enterprise resource planning (ERP) tool Process and integrate BI data using open-source extract-transform-load (ETL) tools Query, report, and analyze BI data using open-source visualization and dashboard tools Use a MOLAP tool to define next year's budget, integrating real data with target scenarios Deploy BI solutions and big data experiments inexpensively on cloud platforms Who This Book Is For Engineers, DBAs, analysts, consultants, and managers at small companies with limited resources but whose BI requirements have outgrown the limitations of Excel spreadsheets; personnel in mid-sized companies with established BI systems who are exploring technological updates and more cost-efficient solutions

With the evolution of digitized data, our society has become dependent on services to extract valuable information and enhance decision making by individuals, businesses, and government in all aspects of life. Therefore,

emerging cloud-based infrastructures for storage have been widely thought of as the next generation solution for the reliance on data increases. Data Intensive Storage Services for Cloud Environments provides an overview of the current and potential approaches towards data storage services and its relationship to cloud environments. This reference source brings together research on storage technologies in cloud environments and various disciplines useful for both professionals and researchers.

"This book is the definitive guide for SAP NetWeaver BI professionals. Based on their extraordinary expertise with the product, the authors provide deep insights about key innovations in the areas of user experience, query performance, integrated planning, and enterprise-wide data warehousing." —Stefan Sigg, Vice President, SAP NetWeaver Business Intelligence

The long-anticipated publication of this second edition reflects the growing success of SAP NetWeaver as well as the various Business Intelligence (BI) capabilities that are embedded with SAP BW version 7.0. Written by SAP insiders, this comprehensive guide takes into account the ever-changing features, functionality, and toolsets of SAP NetWeaver to bring you the most updated information on how to use SAP BW to design, build, deploy, populate, access, analyze, present, and administer data. You'll discover the options that are available in SAP NetWeaver and uncover a new means to improve business performance. This book reflects the process an organization goes through during an implementation of the software. The authors begin with an introduction to BI and SAP NetWeaver and quickly progress to information modeling and enterprise data warehouse concepts. You'll learn how to access and deliver meaningful analytic information to the organization, as well as perform integrated planning functions. Finally, the authors share invaluable insight on warehouse administration, performance, and security. With more than 50 percent new or revised material, this second edition of Mastering the SAP Business Information Warehouse shows you how to: Extract data from online transaction processing systems Store transformed data in a way that best supports reporting and analysis Use the various Business Explorer tools such as BEx Report Designer, BEx Analyzer, BEx Broadcaster, and BEx Web Application Designer Schedule, monitor, troubleshoot, and archive data loads

The companion Web site contains sample chapters in Wiki format and the authors' blog where readers may enter discussions about the book and SAP. Wiley Technology Publishing Timely. Practical. Reliable. Visit our Web site at www.wiley.com/compbooks/ Visit the companion Web site at www.wiley.com/compbooks/mcdonald The companion Web site contains the sample code presented in the text of the book, plus implementation templates.

SAP BI Edge is a powerful business intelligence (BI) solution for midsize companies. This book offers a comprehensive overview of what to expect and where you should start building your reporting framework. You'll get detailed information on reporting tools, like Information Designer, Universe Designer, BI Launchpad, Crystal Reports, and Dashboards (formerly XCelsius). Get tips for

creating an InfoSet strategy and leverage it to run reports. Learn how to use the Information Design Tool (IDT) to design data models and layer your data to create universes. Identify the common queries you will need to get started and walk through how to publish SAP reporting data in a web format and create practical management dashboards. By using practical examples, tips, screenshots, and a case study the author brings readers new to SAP BI Edge up to speed on the fundamentals. - Installation and setup tips for SAP BI Edge with SAP ERP - Query and reporting tools best practices - How to build a dynamic SAP ERP data model based on your configuration - Step-by-step instructions on how to create a SAP BI universe

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

Bring your data presentations into focus with this comprehensive guide to SAP BusinessObjects Web Intelligence. Updated for Webi 4.2, this book will teach you to create, design, and share your reports, while exploring the fundamentals of Webi and its extended capabilities. This fourth edition includes information on data source options for building new documents and queries, and a new HTML5-based viewing interface. Punch up your reporting and analysis! a. SAP BI 4.2 SP4 Dive into Web Intelligence 4.2 enhancements and platform improvements, including a new HTML5 user interface, support for geomaps, and access to additional data sources b. Webi from A to Z Get the complete picture of working with Web Intelligence, from creation to publication. From the first step to the last, learn how to design reports that make an impact with this comprehensive guide c. Web Intelligence Interactive Viewer Discover the HTML5-based Web Intelligence Interactive Viewer and BI launchpad, a fully integrated interface for organizing, viewing, analyzing, and sharing business intelligence content.

Imagine that it's the 1950s, and you are in charge of developing the U. S. interstate system. There are countless roads already in use. The system can go

in numerous different directions. Where do you begin? Starting to transform your business with SAP NetWeaver is that daunting. NetWeaver is both an application platform and an integration platform. It integrates your current IT systems to enable portals, collaboration, data management, and development environments. To grasp the complexities and possibilities of SAP ASAP, dig in with SAP NetWeaver For Dummies and explore: MySAP Business Suite SAP Enterprise Planning Resource (ERP), Customer Relationship Management (CRM), Supply Chain Management (SCM), Human Capital Management (HCM), Product Lifecycle Management (PLM), Supplier Relationship Management (SRM), and more Mobile Infrastructure that performs like a universal translator for mobile interfaces, including laptops, wireless phones, and PDAs Master Data Management, including using the content consolidation technique to “clean up” data, master data harmonization to distribute it, and central master data management to maintain a data repository Web Application Service and NetWeaver Developer Studio—tools that let you integrate and create your own customized applications Written by Dan Woods, former CTO of The Street.com and CapitalThinking, and Jeffrey Word, the Director of Technology Strategy for SAP, this guide features real-life stories from businesses and examples of typical uses to help you cut through the complexities and get up and running. It includes a CD-ROM with: Detailed white papers and product overviews Stores from customers using SAP NetWeaver today Demos that show SAP NetWeaver in action A directory of resources for additional information Like that interstate system, SAP NetWeaver doesn't have to be integrated all at once. You choose the applications that have the most potential to benefit your company's operations and bottom line. SAP NetWeaver For Dummies even gives you recommendations for rolling it out and suggests practical ways to get started and get quick returns on your SAP investment. Then you're going full-speed ahead on the road to success!

The SAP BusinessObjects Business Intelligence platform is a powerful reporting and analysis tool. This book is the ideal introduction to the SAP BusinessObjects Business Intelligence platform, introducing you to its data visualization, visual analytics, reporting, and dashboarding capabilities.

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.

Show your students how to master and maximize enterprise resource planning (ERP) software -- which continues to become more critical in business today - with the latest edition of Monk/Wagner's successful CONCEPTS IN ENTERPRISE RESOURCE PLANNING. Equip students to use ERP tools to increase growth and productivity as they learn how to effectively combine an organization's numerous functions into one comprehensive, integrated system. CONCEPTS IN ENTERPRISE RESOURCE PLANNING, 4E reflects the latest trends and updates in ERP software while demonstrating how to make the most of this important technology. The authors introduce the basic functional areas of business and how they are related. The book demonstrates how information systems that are not effectively integrated fail to support business functions and business processes that extend across functional area boundaries. By contrast, students clearly see how integrated information systems help organizations improve business process and provide managers with accurate, consistent, and current data for making informed strategic decisions. All-new sidebar cases and real examples throughout this edition not only thoroughly introduce the practical aspects of enterprise resource planning, but also prepare readers for ongoing ERP success in business today and tomorrow. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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.

SAP Business Intelligence Quick Start Guide Actionable business insights from the SAP BusinessObjects BI platform Packt Publishing Ltd

This IBM® Redbooks® publication addresses topics to leverage the virtualization strengths of the IBM Power platform to solve customer system resource utilization challenges and maximize system throughput and capacity. This IBM Redbooks publication will help you leverage the strengths of the POWER platform, provide implementation scenarios with Cognos® 8 Business Intelligence (BI) with the comprehensive set of the IBM PowerVMTM virtualization features, and identify and document best practices for exploiting the IBM PowerVM virtualization features within Cognos BI deployments to maximize utilization of system resources and maximize Cognos throughput and capacity. This book is targeted toward technical professionals (BI consultants, technical support staff, IT architects, and IT specialists) responsible for providing business intelligence solutions and support for Cognos BI on POWER® systems.

Revised to cover new advances in business intelligence—big data, cloud, mobile, and more—this fully updated bestseller reveals the latest techniques to exploit BI for the highest ROI. “Cindi has created, with her typical attention to details that matter, a contemporary forward-looking guide that organizations could use to evaluate existing or create a foundation for evolving business intelligence / analytics programs. The book touches on strategy, value, people, process, and technology, all of which must be considered for program success. Among other topics, the data, data warehousing, and ROI comments were spot on. The ‘technobabble’ chapter was brilliant!” —Bill Frank, Business Intelligence and Data Warehousing Program Manager, Johnson & Johnson “If you want to be an analytical competitor, you’ve got to go well beyond business intelligence technology. Cindi Howson has wrapped up the needed advice on technology, organization, strategy, and even culture in a neat package. It’s required reading for quantitatively oriented strategists and the technologists who support them.” —Thomas H. Davenport, President’s Distinguished Professor, Babson College and co-author, *Competing on Analytics* “Cindi has created an exceptional, authoritative description of the end-to-end business intelligence ecosystem. This is a great read for those who are just trying to better understand the business intelligence space, as well as for the seasoned BI practitioner.” —Sully McConnell, Vice President, Business Intelligence and Information Management, Time Warner Cable “Cindi’s book succinctly yet completely lays out what it takes to deliver BI successfully. IT and business leaders will benefit from Cindi’s deep BI experience, which she shares through helpful, real-world definitions, frameworks, examples, and stories. This is a must-read for companies

engaged in – or considering – BI.” —Barbara Wixom, PhD, Principal Research Scientist, MIT Sloan Center for Information Systems Research Expanded to cover the latest advances in business intelligence such as big data, cloud, mobile, visual data discovery, and in-memory computing, this fully updated bestseller by BI guru Cindi Howson provides cutting-edge techniques to exploit BI for maximum value. Successful Business Intelligence: Unlock the Value of BI & Big Data, Second Edition describes best practices for an effective BI strategy. Find out how to: Garner executive support to foster an analytic culture Align the BI strategy with business goals Develop an analytic ecosystem to exploit data warehousing, analytic appliances, and Hadoop for the right BI workload Continuously improve the quality, breadth, and timeliness of data Find the relevance of BI for everyone in the company Use agile development processes to deliver BI capabilities and improvements at the pace of business change Select the right BI tools to meet user and business needs Measure success in multiple ways Embrace innovation, promote successes and applications, and invest in training Monitor your evolution and maturity across various factors for impact Exclusive industry survey data and real-world case studies from Medtronic, Macy's, 1-800 CONTACTS, The Dow Chemical Company, Netflix, Constant Contact, and other companies show successful BI initiatives in action. From Moneyball to Nate Silver, BI and big data have permeated our cultural, political, and economic landscape. This timely, up-to-date guide reveals how to plan and deploy an agile, state-of-the-art BI solution that links insight to action and delivers a sustained competitive advantage.

CD-ROM contains: Examples presented in text.

Provides an overview to the exam's topics, including a "Need to Know" list that identifies areas that must be understood in-depth. Includes exercises that can be performed, usually with a smallest BW server. Contains practice test questions that assess the reader's knowledge of the current exam topics. Serves as a complement to the classroom training provided by SAP.

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 1. Introduction SAP HANA 2. Why to choose SAP HANA? 3. SAP HANA In-Memory Strategy 4. SAP HANA

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Chapter 2: Hana Architecture 1. SAP HANA Architecture 2. SAP HANA Landscape 3. SAP HANA Sizing Chapter 3: SAP HANA Studio 1. Pre-Requisite for SAP HANA Studio 2. Supported Platform 3. Download & Install SAP HANA Studio 4. Add System in SAP HANA Studio 5. Work With SAP HANA Studio Chapter 4: SQL Script, Data Type, Trigger, Sequence, Operator, Function, Expression, Identifiers 1. What is SAP HANA SQL 2. SAP HANA Identifiers 3. SAP HANA Data Type 4. SAP HANA Operator 5. SAP HANA SQL FUNCTIONS 6. SAP HANA SQL EXPRESSIONS 7. SAP HANA SQL Stored Procedure 8. SAP HANA Create Sequence 9. SAP HANA Create Trigger Chapter 5: Data Provisioning 1. Overview of Replication Technology 2. SLT (SAP Landscape Transformation Replication Server) 3. SAP DS (SAP DATA Services) 4. SAP HANA Direct Extractor Connection (DXC) 5. Flat file Upload to SAP HANA Chapter 6: Modeling 1. SAP HANA Modelling Overview 2. Join Method in SAP HANA 3. SAP HANA Best Practices for Creating Information Models 4. SAP HANA Attribute View 5. SAP HANA Analytic View 6. SAP HANA Calculation View 7. SAP HANA Analytic Privileges 8. SAP HANA Information Composer 9. SAP HANA Import and Export 10. SAP HANA Performance Optimization Technique Chapter 7: Security 1. SAP HANA Security Overview 2. SAP HANA Authentication 3. SAP HANA Authorization 4. SAP HANA User and Role Administration 5. SAP HANA License Management 6. SAP HANA Auditing Chapter 8: Reporting 1. Reporting In SAP BI (Business Intelligence) Overview 2. Reporting In Webi of SAP Business Objects (BO) on HANA 3. Reporting In Crystal Report 4. Reporting In SAP Lumira 5. Reporting In Microsoft Excel Building Intelligent Enterprises by leveraging the emerging and next-generation technologies to accelerate the adoption of digital transformation The speed of innovation and emerging IT technologies are changing at a very fast pace and enterprises are eager to join the digital revolution so they can stand above the competition and succeed as the enterprise of tomorrow. This book is an attempt to make the enterprise intelligent by providing the path to digital transformation and the adoption of new IT methods, tools and technologies. This book has been organized to cover the following topics: Digital Transformation, Design Thinking, Agile, DevOps, Robotic Process Automation, Internet of Things, Artificial Intelligence, Machine Learning, Blockchain, Drones, Augmented and Virtual Reality, 3D Printing, Big Data, Analytics, Cloud Computing, APIs, and SAP Leonardo. No prior knowledge of any technical coding or language is necessary to understand the content of this book. End-to-end storyline to accelerate the enterprise's digital transformation journey How an enterprise can stay relevant, compete, and perform in the digital economy How to leverage these technologies to build intelligent enterprises Understand and apply the emerging technologies across key business processes Industry-specific Use Cases for all technologies as a reference point to build the business case for implementation The book is very well suited towards the C-Suite executives, both IT and business leaders,

directors and managers, project managers, solution architects, and all professionals who have an interest and desire to keep up-to-date with the latest technological trends, looking for a career change, want to help enterprise adapt and onboard the digital roadmap, or have an agenda to digitize key processes within the enterprise to make it intelligent.

"SAP R/3 Reporting" shows how to deliver effective reports for every area of the enterprise. It's the first book to focus specifically on SAP R/3 reporting. Curran begins by introducing SAP R/3's key information systems, data resources, and business processes. Next, he reviews specific reports for financials, logistics, HR, asset management, and shows how to build reports that are readable, accurate, and timely. Finally, Curran introduces ActiveSheets, third-party software that streamlines reporting by working through Microsoft Excel. A working ActiveSheets demo is included on CD-ROM.

This book starts with an introduction to process modeling and process paradigms, then explains how to query and analyze process models, and how to analyze the process execution data. In this way, readers receive a comprehensive overview of what is needed to identify, understand and improve business processes. The book chiefly focuses on concepts, techniques and methods. It covers a large body of knowledge on process analytics – including process data querying, analysis, matching and correlating process data and models – to help practitioners and researchers understand the underlying concepts, problems, methods, tools and techniques involved in modern process analytics. Following an introduction to basic business process and process analytics concepts, it describes the state of the art in this area before examining different analytics techniques in detail. In this regard, the book covers analytics over different levels of process abstractions, from process execution data and methods for linking and correlating process execution data, to inferring process models, querying process execution data and process models, and scalable process data analytics methods. In addition, it provides a review of commercial process analytics tools and their practical applications. The book is intended for a broad readership interested in business process management and process analytics. It provides researchers with an introduction to these fields by comprehensively classifying the current state of research, by describing in-depth techniques and methods, and by highlighting future research directions.

Lecturers will find a wealth of material to choose from for a variety of courses, ranging from undergraduate courses in business process management to graduate courses in business process analytics. Lastly, it offers professionals a reference guide to the state of the art in commercial tools and techniques, complemented by many real-world use case scenarios.

Inhaltsangabe:Abstract: The worldwide process of globalization makes it necessary for a firm to collect information about its external environment (competitors, stakeholders, products, markets, etc.) and to relate it with the internal information of the firm. In 1985 Porter and Millar (1985) described an

information revolution that affects competition in different ways. Collecting internal and external data is the necessary first step to guarantee a valid information base for strategic decisions and successful actions. The evaluation of these data for decision-making processes and the ability to see important relations and structures in the data can be supported by new IT-applications, called Business Intelligence (henceforth BI). This thesis examines the latest developments of information technologies from the Resource-based perspective of Strategic Management. The general question that motivates this thesis and needs to be answered is: Can the use of Business Intelligence Applications lead to a sustainable competitive advantage? On a more concrete level it asks, if Business Intelligence solutions can be resources that lead directly to a long-lasting competitive advantage or at least to a temporary advantage. Answering those questions pursues the aim of making a step towards the operationalization of the Resource-based View (RBV) and the more specialized Dynamic Capability View (DCV). The subject of the analysis is a specific Business Intelligence software solution, which has been chosen because it is representative of all BI applications. It is offered worldwide on the markets for analytical applications in Europe, Asia and America and based on the common data warehouse technology. This thesis is supposed to provide the base for possible further empirical work regarding this topic. The empirical work of this thesis is done in the mode of a case study concentrating on a set of information technology products. The examination of a specific application that is offered on the market Business Intelligence on an analysis based on the Resource-based view enables the proving of statements about BI with the help of concrete examples. The case study is based to substantial parts on information derived from personal interviews with Siemens Business Services, Germany and information available in the Internet. The first part of this thesis (section 2) gives an introduction and categorization of Business Intelligence. Using the example of the [...]

The definitive reference for building actionable business intelligence—completely revised for SAP BusinessObjects BI 4.0. Unleash the full potential of business intelligence with fact-based decisions, aligned to business goals, using reports and dashboards that lead from insight to action. SAP BusinessObjects BI 4.0: The Complete Reference offers completely updated coverage of the latest BI platform. Find out how to work with the new Information Design Tool to create universes that access multiple data sources and SAP BW. See how to translate complex business questions into highly efficient Web Intelligence queries and publish your results to the BI Launchpad. Learn how to create dashboards from data sourced through a universe or spreadsheet. The most important concepts for universe designers, report and dashboard authors, and business analysts are fully explained and illustrated by screenshots, diagrams, and step-by-step instructions. Establish and evolve BI goals Maximize your BI investments by offering the right module to the right user Create robust universes with the Information Design Tool, leveraging multiple data sources, derived tables,

aggregate awareness, and parameters Develop a security plan that is scalable and flexible Design Web Intelligence reports from basic to advanced Create sophisticated calculations and advanced formatting to highlight critical business trends Build powerful dashboards to embed in PowerPoint or the BI Launchpad Use Explorer to visually navigate large data sets and uncover patterns

- * The complete guide to business intelligence with SAP
- * Learn everything you need to know about data warehousing and reporting with SAP
- * Covers data modeling, data collection, administration, and more Finally--the entire world of business intelligence in SAP comes in one volume! This comprehensive guide covers the full spectrum of SAP solutions for BI: both SAP NetWeaver 7.3 and SAP BusinessObjects 4.x. In this book, you'll learn everything you need to know regarding data modeling and retrieval, optimal use of reporting tools from SAP (BEx and BusinessObjects), and the essential updates in the new SAP NetWeaver release. BI in the Enterprise Learn how to plan your BI strategy and which special features you should keep in mind for your BI project. Backend Find everything you need to know about essential topics in data warehousing: data modeling, extraction, administration, and authorization. Frontend Explore the entire portfolio of reporting: SAP Business Explorer (BEx), SAP Crystal Reports, SAP BusinessObjects Dashboards, SAP BusinessObjects Web Intelligence, SAP BusinessObjects Explorer, and SAP BusinessObjects Analysis.Consolidation and Planning Discover the most important tools based on SAP NetWeaver BW, such as BW Integrated Planning and the consolidation solution, SEM-BCS. Practical Information Examine the most important administration issues in a way that's both understandable and practical (based on the current releases: SAP NetWeaver BW 7.3 and SAP BusinessObjects 4.x). Highlights
- * BI in the enterprise
- * Data modeling
- * ETL
- * Administration
- * Permissions
- * SAP Business Explorer
- * SAP BusinessObjects Analysis
- * SAP Crystal Reports
- * SAP BusinessObjects Dashboards (formerly Xcelsius)
- * SAP BusinessObjects Web Intelligence
- * SAP BusinessObjects Explorer
- * SAP BusinessObjects BI platform
- * BW integrated planning
- * SAP SEM-BCS

Keep your system secure by mastering functional and data security Understand how to define a rights model and secure universes Configure authentication with external systems such as SAP NetWeaver BW, LDAP, and Active Directory Up to date for release 4.0 Don't talk to strangers--if only data security policies were this easy. Learn to keep your SAP BusinessObjects Business Intelligence data truly safe from unauthorized actions with this comprehensive guide. Begin with security basics and work your way to advanced concepts; along the way, you'll explore functional and data security, define a rights model, and secure data sources and universes. Step-by-step instructions ensure that you can implement important security techniques in your administration and design work. This book puts the master key to data security in your hands. Best Practices Unveiled Implement a security system that is easy to understand, use, and enhance by using basic workflows. Rights Framework Put the rights framework to work for you using group and folder inheritance and custom access levels.Specific Rights Explore the specific rights of system and content objects stored in

the CMS repository, as well as BI 4.0 suite applications. Universe Security Compare security features of universes created with Universe Design Tool side by side with its successor, Information Design Tool. SAP NetWeaver BW, LDAP, and Active Directory Learn how to secure your SAP BusinessObjects BI 4.0 system using external authentication systems and data sources.

SAP BusinessObjects Dashboards is a leading Business Intelligence and reporting tool that provides you with a real-time understanding of your business with agile visualizations. Starting with an introduction to Dashboards and its benefits, the book slowly moves on to explain the dashboard creation process. After this, you will learn how to add charts, single-value components, maps, selectors, and other third-party plugins to the existing dashboards. Furthermore, it shares many best practices and will also help you to connect your dashboard to real data by establishing a data connection to a data source. You can also explore more about mobile BI and learn how to create dashboards for mobile devices. By the end of the book, you will be able to prepare, plan, and design interactive dashboards based on your business requirements using this cutting-edge BI tool.

This book is aimed at both new developers as well as experienced developers. If you are a new SAP BusinessObjects Universe developer who is looking for a step-by-step guide supported with real-life examples and illustrated diagrams, then this book is for you. If you are a seasoned BusinessObjects Universe developer who is looking for a fast way to map your old experience in Universe designer to the newer Information Design Tool, then this book is for you as well.

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

A guide to SAP BusinessObjects Web Intelligence that can sharpen your data presentations. From creating a report, to displaying data via charts, to sharing reports with others, it covers everything from the basics to the actionable details that inform your work. It also includes expanded coverage of new topics like SAP HANA and mobility.

This book provides you with highly detailed information on all of the most important BI features of the new SAP NetWeaver 2004s Release. Readers gain a profound

understanding of SAP BI and quickly learn how to master the new release, while avoiding costly errors. Familiar subjects like data modeling, ETL, web reporting, and planning are combined with expert insights on essential new BI functions and core concepts, making this reference an invaluable companion for your daily work. The authors provide exclusive details on advanced developments in BEx Analyzer and BEx Web Application Designer, as well as the BEx Report Designer, BI-integrated planning, the BI Accelerator and the SAP Visual Composer, ensuring that your most important questions are addressed with practical guidance. Real-life examples, volumes of screen captures and detailed graphics, as well as step-by-step instruction, enable you to quickly and easily familiarize yourself with all of the new BI functions. The book is intended for SAP consultants, team members and managers in the areas of IT, BI, and controlling.

Business professionals who want to advance their careers need to have a strong understanding of how to utilize business intelligence. This new book provides a comprehensive introduction to the basic business and technical concepts they'll need to know. It integrates case studies that demonstrate how to apply the material. Business professionals will also find suggested further readings that will develop their knowledge and help them succeed.

SAP Analytics Cloud is overflowing with visualization options. Charts, tables, drilldowns, geomaps--if you can dream it, you can design and build it. Learn how to create a dashboard for any use case, from acquired data dashboards and responsive mobile dashboards to HR dashboards using SAP SuccessFactors data. Follow step-by-step instructions to structure your data, choose the relevant features, and then implement them. Contains custom-designed dashboards for each chapter! Highlights include: 1) Dashboard design 2) Live data connections 3) Acquired data dashboards 4) Planning dashboards 5) Responsive mobile dashboards 6) SAP SuccessFactors dashboards 7) Qualtrics dashboards 8) R visualizations 9) Analytics designer 10) SAP Digital Boardroom

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

Curious about how to leverage SAP Predictive Analytics (SAP PA) to effectively mine data and unearth trends, patterns, and relationships? In this book written for users and analysts, readers will explore the foundations of SAP Predictive Analytics. Review the architectural underpinnings and technical components that make up SAP PA. Explore how SAP PA works with SAP HANA. Walk through the installation steps and learn the differences between the desktop and enterprise versions. Explore SAP PA modules and components, including the predictive analytical library (PAL), the application function library (AFL), and the SAP HANA automated predictive library (APL). Leverage the data manager and learn how to create an event log aggregation. Get tips for performing text analysis and take an in depth look at automated analytics, including Expert Analytics. Dive into a sales and pipeline forecasting example using specific SAP PA functions and algorithms. By using practical examples, tips, and screenshots, this book explores: - SAP PA architecture and technical components - How SAP PA works with SAP HANA - Core SAP PA modules and components - Detailed sales/pipeline forecasting example

SAP Business Intelligence (BI) is a tool to analyze raw data and derive meaning inferences. SAP BI gives single point access to data from various sources. Robust reports and visualization are available to analyze the data. SAP BI can analyze multidimensional data, easily integrates with other applications and has a mobile app. Here is what is covered in the book - Table Of Content Chapter 1: Introduction SAP BI Chapter 2: Overview of SAP BI Architecture Chapter 3: All About Infoobject Infoarea & Infoobject Catalog Chapter 4: How To create an INFOAREA Chapter 5: How to create an INFOOBJECT CATALOG Chapter 6: How To Create an INFOOBJECT with Characteristics Chapter 7: How to Create INFOOBJECTS with Key Figures Chapter 8: What is DSO? Why Use It? Chapter 9: What is Standard DSO? How To Create One? Chapter 10: What is Write Optimized DSO? How To Create One? Chapter 11: What is Direct Update DSO? How To Create One? Chapter 12: What is InfoSet? Chapter 13:

What is an Infocube? How To Create One? Chapter 14: How to Load Master Data from Flat File? Chapter 15: How To Load Transaction Data From Flat File? Chapter 16: How to load Master Data from ECC? Chapter 17: How To Load Transaction Data From ECC? Chapter 18: All About Classical & Extended Star Schema Chapter 19: All About Process Chains in SAP BI/BW Chapter 20: Installing BW Standard Content Chapter 21: Introduction to BEX Query Designer and Query Elements Chapter 22: Learn About Key & Characteristics Settings CFK, RFK & Formulas Chapter 23: SAP BW / BI Interview Questions & Answers

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. Focus on SAP business analytics business gains, key features, and implementation. The book includes example implementations of SAP business analytics, the challenges faced, and the solutions implemented. SAP Business Analytics explains both the strategy and technical implementation for gathering and analyzing all the information pertaining to an organization. Key features of the book are: A 360-degree view of an organization's data and the methods to gather and analyze that data The strategies that need to be in place to gather relevant data from disparate systems Details about the SAP business analytics suite of products The technical implementations used to gather data from disparate systems such as ERP and CRM Real business cases as examples Analytics is the driving force in today's business, be it healthcare, marketing, telecommunications, or retail and hence the most vital part of any organization's strategy. What You'll Learn Gain an understanding of business analytics in general Absorb the technical details of the SAP business analytics suite of products Discover the challenges faced during an enterprise-level analytics project implementation Learn the key points to be kept in mind during the technical implementation of an SAP business analytics project Who This Book Is For Analytics strategists, BI managers, BI architects, business analysts, and BI developers.

Business Intelligence (BI) promises an organization the capability of collecting and analyzing internal and external data to generate knowledge and value, providing decision support at the strategic, tactical, and operational levels. Business Intelligence is now impacted by the Big Data phenomena and the evolution of society and users, and needs to take into account high-level semantics, reasoning about unstructured and structured data, and to provide a simplified access and better understanding of diverse BI tools accessible through mobile devices. In particular, BI applications must cope with additional heterogeneous (often Web-based) sources, e.g., from social networks, blogs, competitors', suppliers', or distributors' data, governmental or NGO-based analysis and papers, or from research publications. The lectures held at the First European Business Intelligence Summer School (eBISS), which are presented here in an extended and refined format, cover not only established BI technologies like data warehouses, OLAP query processing, or performance issues, but extend into new aspects that are important in this new environment and for novel applications, e.g., semantic technologies, social network analysis and graphs, services, large-scale management, or collaborative decision making. Combining papers by leading researchers in the field, this volume will equip the reader with the state-of-the-art background necessary for inventing the future of BI. It will also provide the reader with an excellent basis and many pointers for further research in this growing field.

Enhancing Enterprise Intelligence: Leveraging ERP, CRM, SCM, PLM, BPM, and BI takes a fresh look at the benefits of enterprise systems (ES), focusing on the fact that ES collectively contribute to enhancing the intelligence quotient of an enterprise. The book provides an overview of the characteristic domains (i.e., business functions, processes, and activities) addressed by the various categories of ES, namely, ERP,

CRM, SCM, PLM, BPM, and BI. The book begins with an overview of agile enterprises and dimensions of intelligent enterprises. The middle chapters detail CRM's decisive concept of customer centricity, SCM's differentiating concept of customer responsiveness, and PLM's stupendous transformative potential for renewing the enterprise along with the establishment of a collaborative enterprise with BPM and enterprise BPM methodology. The latter chapters deal with the realization of an informed enterprise with BI coupled with the novel concept of decision patterns. The author highlights the fact that any end-user application's effectiveness and performance can be enhanced by transforming it from a bare transaction to one clothed by a surrounding context formed from an aggregate of all relevant past decision patterns. The final chapter examines various aspects relating to a successful ES implementation project, and the appendix provides an overview of the SAP Business Suite to give you a practical context to the discussions presented in the book.

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