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<u>Software Development on the SAP Hana Platform</u> - Mark Walker 2013-01-01
Software Development on the SAP HANA Platform is a general tutorial guide to SAP HANA.This book is written for beginners to the SAP HANA platform. No knowledge of SAP HANA is necessary to start using this book.
Proceedings of the 2nd International Conference on Computational and Bio Engineering - S. Jyothi 2021-09-27
This book presents the peer-reviewed proceedings of the 2nd International Conference on Computational and Bioengineering (CBE 2020) jointly organized in virtual mode by the Department of Computer Science and the Department of BioScience & Sericulture, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, during 4–5 December 2020. The book includes the latest research on advanced computational methodologies such as artificial intelligence, data mining and data warehousing, cloud computing, computational intelligence, soft computing, image processing, Internet of things, cognitive computing, wireless networks, social networks, big data analytics, machine learning, network security, computer networks and communications, bioinformatics, biocomputing/biometrics, computational biology, biomaterials, bioengineering, and medical and biomedical informatics.
<u>SAPUI5 and Fiori. Status and Future Perspective</u> - Rohan Ahmed 2018-05-30
Seminar paper from the year 2017 in the subject Computer Science - Commercial Information Technology, grade: 1.7, Heilbronn University, language: English, abstract: Today almost every software and websites has a mobile compatible version and everyone can check anything on his mobile or tablet. This wasn't the case 7-8 years ago. For SAP, Graphical User Interface as known as GUI was very powerful at the time when SAP launched its ERP software. With time, many other software exists with the fleet of HTML5 based powerful and more appealing modern UI-technology. For this, the old GUI was not able to stand with it. As everyone knows, today are smartphones and tablets more powerful than pc's. So, it was very important for SAP to find a solution and its was SAP Fiori – "One UX for all SAP Products". Fiori is based on a framework known as SAPUI5 which is built on top of HTML5 and is compatible with any device and any screen size. The first announcement from SAP about Fiori was in May 2013 with the first release of 25 transactional Fiori apps for the most common business functions, such as self-services tasks which known as ESS/MSS. Today, there are more than 1140 true Fiori apps available in Fiori library. The number of apps can partially supplement the previous GUI transactions. SAP offers three types of Fiori apps with different database requirements. A distinction is made between Transactional apps, Analytical apps and factsheets. Only Transactional apps can run on any database that supports SAP ERP. The other 2 types require SAP HANA as database. Since 2013, Fiori has made great progress and will continue in the coming years.
Practical Data Science with SAP - Greg Foss 2019-09-18
Learn how to fuse today's data science tools and techniques with your SAP enterprise resource planning (ERP) system. With this practical guide, SAP veterans Greg Foss and Paul Modderman demonstrate how to use several data analysis tools to solve interesting problems with your SAP data. Data engineers and scientists will explore ways to add SAP data to their analysis processes, while SAP business analysts will learn practical methods for answering questions about the business. By focusing on grounded explanations of both SAP processes and data science tools, this book gives data scientists and business analysts powerful methods for discovering deep data truths. You'll explore: Examples of how data analysis can help you solve several SAP challenges Natural language processing for unlocking the secrets in text Data science techniques for data clustering and segmentation Methods for detecting anomalies in your SAP data Data visualization techniques for making your data come to life
SAP Tools - Sudipta Malakar 2019-09-19
Capturing global market using sap tools, techniques & best practices DESCRIPTION The book has been written in such a way that the concepts are explained in detail, giving adequate emphasis on examples. To make clarity of the programming examples, logic is explained properly as well discussed using comments in program itself. The book covers the topics right from the start of the software using snapshots of starting the software and writing programs into it. The real-time examples are discussed in detail from simple to complex taking into consideration the requirement of IT consultants. Various sample projects are included in the Book and are written in simple language so as to give IT consultants the basic idea of developing projects in SAP. The examples given in book are user-focused and have been highly updated including topics, figures and examples. The book features more on practical approach with more examples covering topics from simple to complex one addressing many of the core concepts and advance topics also. KEY FEATURES Comprehensive coverage of SAP UI5, Fiori, Webdynpro, Object oriented ALV with SALV Factory method laying more stress on Realtime case studies. The Book also covers numerous practical examples on LSMW tool, ALE, IDOC, SAP Query tool, SAP Quick viewer tool, SAP Report Painter tool, BAPI, Web services, DME tool, SAP MDM data conversion Simple language, crystal clear approach, straight forward comprehensible presentation. Adopting user-friendly classroom lecture style. The concepts are duly supported by several examples. The Book cover the topics in a manner which fulfil the skill gap among industry and academia. Examples discussed on SAP tools, methodologies and techniques are helpful for developing projects for IT consultants. WHAT WILL YOU LEARN This book will Òneed to haveÓ title for various reasons as articulated below. Gaining Customers by adopting and implementing different SAP tools, methodologies and techniques in organizations / projects / programs Help in sustaining Customer Relationships as the core of all successful working relationships are two essential characteristics: trust and commitmentÊ Help in delivering ÒSuperior Value and Getting an Equitable ReturnÓ as understanding value in business markets and doing business based on value delivered gives suppliers the means to get an equitable return for their effortsÊ This document is a compilation of SAP ABAP/4 coding and efficiency standards and will provide guidance in creating readable, maintainable code. It is intended for all developers in the SAP R/3 systemÊ This book may work as dictionary and generates a comprehensive list of value elements WHO THIS BOOK IS FOR SAP Consultants, SAP technical, Business analysts, Architects, Team Leads, Project Leads, Project Managers, Account Manager, Account Executives, CEO, CTO, COO, CIO, Sr. VP, Directors. Table of Contents _1. Ê Ê DME Overview 2. Ê Ê Purpose of Sap MDM Data Conversion Document 3. Ê Ê Conversion Methodologies 4. Ê Ê Web Services 5. Ê Ê BAPI User Guide 6. Ê Ê SAP Report Painter 7. Ê Ê Object Oriented Alv Using Salv Factory Method 8. Ê Ê Event Handling In 2 Grids Simultaneously (Alv Oops (SAP ABAP)) 9. Ê Ê Creating Alv With Dynamic Columns 10.Ê Creation Of Drop

Down In Alv In Web Dynpro ABAP 11.Ê Webdynpro Application With Interactive Alv 12.Ê Component And Use Of Tabstrip And Tooltips 13.Ê Webdynpro Abap - 7 Steps For Creating Alv 14.Ê Alv Print Version Functionality 15.Ê Alv Table With Business Graphics 16.Ê Sending The Multiple Alvs As Pdf Attachment Through Email 17.Ê Sap Query Creation Steps 18.Ê Simple Report Creation Using SAP Quick Viewer Tool 19.Ê SAP Ale Scenario Development 20.Ê LSMW 21.Ê Step By Step Guide To Configure Fiori Launchpad Tiles For Fiori Transactional App 22.Ê SAP UI5

SAP Fiori Certification Guide - Krishna Kishor Kammaje 2018
SAP Fiori strategy, standards, and guidelines -- SAP cloud platform and web IDE basics -- Extensibility in SAPUI5 -- Deployment

Clean SAPUI5 - Daniel Bertolozi 2022-07-27
SAPUI5 code needs to be easy to read and easy to update. Clean up your code with this guide from the experts! Learn how to leverage JavaScript features to write better SAPUI5 code. Then walk through detailed code examples and explanations for using modules, classes, functions, names, variables, literals, comments, code metrics, and more. Get the best practices you need for formatting, testing, implementation, and beyond!

SAPUI5 - Paul Modderman 2020
"Your comprehensive guide to SAPUI5! From get the know-how to develop MVC apps, use OData, create data bindings, debug and test code, and deploy apps. Learn the dos and don'ts of SAPUI5 and everything in between, whether you're implementing CRUD operations or writing your own controls. See what's new with SAP Cloud Platform, SAPUI5 support assistant, and more. Your best apps are yet to come"--

Compendium on Enterprise Resource Planning - Siar Sarferaz 2022-04-01
This book explains the functional scope, the data model, the solution architecture, the underlying engineering concepts, and the programming model of SAP S/4HANA as the most well-known enterprise resource planning (ERP) system. The approach is to start with general concepts and then to proceed step-by-step to concrete implementations in SAP S/4HANA. In the first part the reader learns about the market view of ERP solutions and vendors. The second part deals with the business processes for sales, marketing, finance, supply chain, manufacturing, services, procurement, and human resources which are covered with SAP S/4HANA. In the third part the underlying concepts of SAP S/4HANA are described, for example in-memory storage, analytics and search, artificial intelligence, process and data integration, security and compliance, lifecycle management, performance and scalability, configuration and implementation. The book is concluded with a final chapter explaining how to deploy an appliance to explore SAP S/4HANA. The target audience for the book are managers and business analysts who want to understand the market situation and future ERP trends, end users and process experts who need to comprehend the business processes and the according solution capabilities provided with SAP S/4HANA, architects and developers who have to learn the technical concepts and frameworks for enhancing SAP S/4HANA functionality, and consultants and partners who require to adopt and configure SAP S/4HANA.

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

SAP Fiori Launchpad - Steve Guo 2018-12-28

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 Gateway 2.0 and OData - Ralph Waldmann 2020-05-17
*** 2020 UPDATE - SAP Gateway 2.0 features! - Become an Expert Fast in a Hot Demanded Market and Reap the Rewards! *** ☐ Do you know that OData/REST integration is one of the most hot demanded areas in system connections?☐ Do you know that this area is not only demanded but also a market that lacks expert resources?☐ Do you know that by exposing SAP Business Suite functionality as REST-based OData services, SAP Gateway enables SAP applications to share data with a wide range of devices, technologies, and platforms in a way that is easy to understand and consume?☐ Your practical guide ☐☐ This step-by-step practical guide will give you the version 1 and version 2 of the SAP Gateway features. ☐ In an easy way, this book will save you time in your development, design and troubleshooting with SAP Gateway. ☐ In addition, it will also help you on the mobile application development side with SAPUI5 / SAP Fiori.☐ You will learn ☐☐ Main Concepts.☐ Getting Familiarized with the SAP Gateway Environment.☐ CRUDQ operations and Service Implementation.☐ Integrating SAP Gateway with SAPUI5 and Deploying SAPUI5 Apps.☐ SAP Gateway 2.0 Features - Advanced Implementation of Services.☐ So, get into the water and start splashing around, it could only make you better. Start on the journey to this technology today.☀ Are you ready to be proficient in a demanded integration area and reap the rewards in your job/contract? ☀ ☐ Scroll to the top of the page and press the "BUY NOW" button to get started right away! ☐

Getting Started with SAP HANA Cloud Platform - James Wood 2015-04-01
The cloud is all the rage at SAP, but the details are a little fuzzy. This book includes step-by-step instructions about working with SAP HANA Cloud Platform, SAP's only PaaS offering. It shows you how to build, deploy, and secure applications, and get the basics on extending SAP HANA Enterprise Cloud (HEC) and SuccessFactors.

SAP MII - Suman Mukherjee 2017-07-19
Leverage the flexibility and power of SAP MII to integrate your business operations with your manufacturing processes. You'll explore important new features of the product and see how to apply best practices to connect all the stakeholders in your business. This book starts with an overview of SAP's manufacturing integration and intelligence application and explains why it is so important. You'll then see how it is applied in various manufacturing sectors. The biggest challenge in manufacturing industries is to reduce the manual work and human intervention so that the process becomes automatic. SAP MII explains how to bridge the gap between management and production and bring sound vital information to the shop floor in real time. With this book you'll see how to ensure existing manufacturing and information systems share a common interface for all users in your enterprise. What You'll Learn Understand the functional aspects of SAP MII Implement SAP MII in different Manufacturing sectors Explore new technical features of SAP MII 12.x Integrate scenarios with SAP MII Discover practice guidelines Who This Book is for All

levels of SAP manufacturing professionals.

Mastering SAP ABAP - Paweł Grześkowiak 2019-05-31
Take your SAP ABAP skills to the next level by mastering ABAP programming techniques with the help of real-world examples Key FeaturesBecome adept at building interfaces and explore ABAP tools and techniquesDiscover the modern functionalities available in the latest version of ABAPLearn the process of creating stunning HTML5 applications using SAPUI5Book Description Advanced Business Application Programming (ABAP) is an established and complex programming language in the IT industry. This book is designed to help you use the latest ABAP techniques and apply legacy constructions using practical examples. You'll start with a quick refresher on language and database concepts, followed by agile techniques for adding custom code to a modern ABAP system. After this, you will get up to speed with the complete ABAP toolset for importing data to and from different environments. Next, you'll learn how to print forms and work with the different ABAP tools for Extensible Markup Language (XML) manipulation. While covering further chapters, you'll gain insights into building stunning UI5 interfaces, in addition to learning how to develop simple apps using the Business Object Processing Framework (BOPF). You will also pick up the technique of handling exceptions and performing testing in ABAP. In the concluding chapters, you can look forward to grasping various techniques for optimizing the performance of programs using a variety of performance analysis tools. By the end of this book, you will have the expertise you need to confidently build maintainable programs in Systems, Applications, and Products (SAP). What you will learnCreate stable and error-free ABAP programsLeverage new ABAP concepts including object-oriented programming(OOP) and Model-View-Controller (MVC)Learn to add custom code to your existing SAP programSpeed up your ABAP programs by spotting bottlenecksUnderstand techniques such as performance tuning and optimizationDevelop modern and beautiful user interfaces (UIs) in an ABAP environmentBuild multiple classes with any nesting levelWho this book is for This book is for developers who want to learn and use ABAP skills to become an industry expert. Familiarity with object-oriented programming concepts is expected.

Getting Started with SAPUI5 - Miroslav Antolovic 2014-07-01
SAPUI5 has quickly become the open-source programming language with the best options for responsive and versatile SAP app development. So how well do you speak SAPUI5, and what can you do with it? This book can helps you learn to develop next-generation UIs for mobile-ready, data source-agnostic, client-side SAP applications.

Mastering SAP ABAP - Paweł Grześkowiak 2019-05-29
Take your SAP ABAP skills to the next level by mastering ABAP programming techniques with the help of real-world examples Key Features Become adept at building interfaces and explore ABAP tools and techniques Discover the modern functionalities available in the latest version of ABAP Learn the process of creating stunning HTML5 applications using SAPUI5 Book Description Advanced Business Application Programming (ABAP) is an established and complex programming language in the IT industry. This book is designed to help you use the latest ABAP techniques and apply legacy constructions using practical examples. You'll start with a quick refresher on language and database concepts, followed by agile techniques for adding custom code to a modern ABAP system. After this, you will get up to speed with the complete ABAP toolset for importing data to and from different environments. Next, you'll learn how to print forms and work with the different ABAP tools for Extensible Markup Language (XML) manipulation. While covering further chapters, you'll gain insights into building stunning UI5 interfaces, in addition to learning how to develop simple apps using the Business Object Processing Framework (BOPF). You will also pick up the technique of handling exceptions and performing testing in ABAP. In the concluding chapters, you can look forward to grasping various techniques for optimizing the performance of programs using a variety of performance analysis tools. By the end of this book, you will have the expertise you need to confidently build maintainable programs in Systems, Applications, and Products (SAP). What you will learn Create stable and error-free ABAP programs Leverage new ABAP concepts including object-oriented programming(OOP) and Model-View-Controller (MVC) Learn to add custom code to your existing SAP program Speed up your ABAP programs by spotting bottlenecks Understand techniques such as performance tuning and optimization Develop modern and beautiful user interfaces (UIs) in an ABAP

environment Build multiple classes with any nesting level Who this book is for This book is for developers who want to learn and use ABAP skills to become an industry expert. Familiarity with object-oriented programming concepts is expected.

ABAP in the Cloud - Gairik Acharya 2021
SAP BTP, ABAP environment requires specialized knowledge of language limits and development environment--let this book be your guide! Begin by provisioning a trial instance and setting up ABAP Development Tools in Eclipse. Then, walk step-by-step through building an app using the ABAP RESTful application programming model, developing backend services, and creating SAP Fiori apps. Connect your cloud-based ABAP applications to on-premise and cloud systems and learn how to manage and maintain those applications. ABAP's not dead, it's in the cloud! Highlights include: 1) ABAP Development Tools in Eclipse 2) SAP BTP, Cloud Foundry environment 3) ABAP RESTful application programming model 4) Application development 5) Backend services 6) SAP Fiori 7) Consuming APIs 8) Identity and access management 9) Application lifecycle management 10) Monitoring and security

SAP Fiori Implementation and Development - Anil Bavaraju 2015

First Steps for Building SAP UI5 Mobile Apps - Robert Burdwell
Overwhelmed with the options for building mobile apps with SAP UI5? This guide offers a comprehensive introduction to SAP UI5 mobile apps in Eclipse, SAP Cloud Platform, and Microsoft Visual Studio. Explore how to build business and data-driven applications using different platforms to deploy hybrid applications to multiple devices. Walk through the different environments that can be used with SAP UI5. Review best practices for leveraging the Model View Controller (MVC). Examine the advantages of development in an Eclipse environment, along with how to leverage SAP Mobile SDK and the SAP Gateway. By using detailed examples, tips, and screenshots, the author brings readers quickly up to speed on the fundamentals of building mobile apps: - Introduction to mobile and SAP UI5 development - Steps for building mobile apps in Eclipse, SAP Cloud Platform, and Microsoft Visual Studio - How to deploy apps to multiple devices - Advantages and disadvantages of using different environments

Data Modeling for SAP HANA 2.0 - Anil Bavaraju 2019
Find meaning in your business data. Build, manage, and secure calculation views and table functions with the SAP Web IDE for SAP HANA. See how SAP Web IDE, SAP HANA Live, and SAP S/4HANA embedded analytics all interact to create effective data models. Explore advanced modeling concepts compatible with SAP HANA 2.0, like predictive modeling and geospatial analysis. Begin designing the perfect model today a. Getting Started Understand the general modeling concepts you need to build effective data models. Get comfortable with the SAP Web IDE, model components, and dimensional schemas. b. Build, Manage, Secure Get step-by-step instructions to create table functions and calculation views, and learn how to manage models in the SAP Web IDE.. Then, tackle the SAP HANA security concepts you need to lock down your data models. c. Advanced Topics See how SAP HANA Live and SAP S/4HANA embedded analytics factor in to your models, through virtual data models and core data service views. Then explore advanced features, including predictive models, spatial analysis, and more. 1) SAP HANA 2.0 2) Data Modeling 3) SAP Web IDE 4) Information views 5) Calculation views 6) Table functions 7) Model management 8) Model migration 9) SAP HANA Live 10) SAP S/4HANA embedded analytics 11) Security and authorizations

SAP HANA XSA - Francesco Alborghetti 2018-08-28
Want to create applications that run faster and perform better on SAP HANA? Learn how to design, test, and deploy native SAP HANA applications with SAP HANA XSA! Get started by exploring your development environment, tools, and the SAP HANA XSA architecture. Then define your data model with Core Data Services and HDB, add your application layer--Node.js, Java, or custom--and develop your presentation layer. Finish up by securing, troubleshooting, and deploying your app!--

Sams Teach Yourself SAP in 24 Hours - Tim Rhodes 2004-07-16
Third Edition: Thoroughly Updated and Expanded, with Extensive New Coverage! In just 24 sessions of one hour or less, you'll master the entire SAP project lifecycle, from planning through implementation and system administration through day-to-day operations. Using this book's straightforward, step-by-step approach, you'll gain a strong real-world foundation in both the technology and business essentials of

today's SAP products and applications—from the ground up. Step-by-step instructions walk you through the most common questions, issues, and tasks you'll encounter with SAP. Case study-based exercises help you build and test your knowledge. By the Way notes present interesting pieces of information. Did You Know? tips offer advice or teach an easier way. Watch Out! cautions warn about potential problems. Learn how to… Understand SAP's newest products for enterprises and small-to-midsize businesses, and choose the right solutions for your company Discover how SAP integrates with Web services and service-oriented architecture Develop an efficient roadmap for deploying SAP in your environment Plan your SAP implementation from business, functional, technical, and project management perspectives Leverage NetWeaver 7.0 features to streamline development and integration, and reduce cost Walk through a step-by-step SAP technical installation Master basic SAP system administration and operations Perform essential tasks such as logon, session management, and printing Build SAP queries and reports Prepare for SAP upgrades and enhancements Develop your own personal career as an SAP professional Register your book at informit.com/title/9780137142842 for convenient access to updates and corrections as they become available.

Practical Workflow for SAP - D. J. Adams 2014-07
Familiar with some aspects of managing Workflow, but not with others? This title lets you pick the sections or chapters that are most relevant to you; focus on the provided conceptual explanations, technical instructions, or both. It includes topics such as configuration, administration and troubleshooting, design, and enhancement.

Custom Fiori Applications in SAP HANA - Sergio Guerrero 2020-12-02
Get started building custom Fiori applications for your enterprise. This book teaches you how to design, build, and deploy enterprise-ready, custom Fiori applications in SAP HANA. Tips and tricks collected from projects using Fiori applications (built consuming OData models and REST APIs) and integrating third-party JS libraries are presented. Also included are examples using Fiori templates from different tools such as the SAP Web IDE and the new Visual Studio Code extensions. This book explains the 5 design principles that all Fiori applications are built upon: Role-based, Responsive, Coherent, Simple, and Delightful. The book expands on consuming OData services and REST APIs internal and external to SAP HANA. The Fiori application exercise demonstrates the use of the MVC pattern, JavaScript modularization, reuse of SAP UI5 controls, debugging, and the tools required for a complete scenario. The book closes with an exercise showcasing a finished single page application with multiple views and layouts, navigation between the views, and deployment of the application to AWS. This book is simple enough for entry-level developers getting started in web frameworks but also highlights integration points from the data models being consumed from the application, and shows how the application communicates with back-end services, resulting in a complete front-end custom Fiori application. What You Will Learn Know the 5 Fiori design principles Understand how to consume OData and REST API models Apply the MVC pattern using XML views and the SAP UI5 controls along with controller behavior in JavaScript Debug and deploy the application Who This Book is For Web developers and application leads who have some experience in JavaScript frameworks and web development and understand web protocol communication

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
Architecting Solutions with SAP Business Technology Platform - Serdar Simsekler 2022-10-28
A practical handbook packed with expert advice on architectural considerations for designing solutions using SAP BTP to drive digital innovation Purchase of the print or Kindle book includes a free eBook in the PDF format Key Features Guide your customers with proven architectural strategies and considerations on SAP BTP Tackle challenges in building process and data integration across complex and hybrid landscapes Discover SAP BTP services, including visualizations, practical business scenarios, and more Book Description SAP BTP is the foundation of SAP's intelligent and sustainable enterprise vision for its customers. It's efficient, agile, and an enabler of innovation. It's technically robust, yet its superpower is its business centricity. If you're involved in building IT and business strategies, it's essential to familiarize yourself with SAP BTP to see the big picture for digitalization with SAP solutions. Similarly, if you have design responsibilities for enterprise solutions, learning SAP BTP is crucial to produce effective and complete architecture designs. This book teaches you about SAP BTP in five parts. First, you'll see how SAP BTP is positioned in the intelligent enterprise. In the second part, you'll learn the foundational elements of SAP BTP and find out how it operates. The next part covers integration architecture guidelines, integration strategy considerations, and integration styles with SAP's integration technologies. Later, you'll learn how to use application development capabilities to extend enterprise solutions for innovation and agility. This part also includes digital experience and process automation capabilities. The last part covers how SAP BTP can facilitate data-to-value use cases to produce actionable business insights. By the end of this SAP book, you'll be able to architect solutions using SAP BTP to deliver high business value. What you will learn Explore value propositions and business processes enabled by SAP's Intelligent and Sustainable Enterprise Understand SAP BTP's foundational elements, such as commercial and account models Discover services that can be part of solution designs to fulfill non-functional requirements Get to grips with integration and extensibility services for building robust solutions Understand what SAP BTP offers for digital experience and process automation Explore data-to-value services that can help manage data and build analytics use cases Who this book is for This SAP guide is for technical architects, solutions architects, and enterprise architects working with SAP solutions to drive digital transformation and innovation with SAP BTP. Some IT background and an understanding of basic cloud concepts is assumed. Working knowledge of the SAP ecosystem will also be beneficial.
Application Development with SAP Business Technology Platform - Gairik Acharya 2022-12-20
Develop cloud applications customized for your business needs! Master the basics of SAP Business Technology Platform (SAP BTP) and its development environments; then get step-by-step instructions for developing and operating your own applications. Build your backend with Java, Node.js, or ABAP, and set up your frontend using SAPUI5 and SAP Fiori. With detailed code examples throughout, this book is your complete guide to building cloud applications on SAP BTP!
ABAP RESTful Programming Model - Stefan Haas 2019
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.

SAP Activate - Sven Denecken 2020
SAP S/4HANA is here, and the stakes are high. Get your project right with this guide to SAP Activate! Understand the road ahead: What are the phases of SAP Activate? Which activities happen when? Start by setting up a working system, then walk through guided configuration, and learn how to deploy SAP S/4HANA in your landscape: on-premise, cloud, or hybrid. Take advantage of SAP Activate's agile methodology, and get the guidance you need for a smooth and successful go-live! In this book, you'll learn about: a. Foundations Get up to speed with SAP Activate. Learn about key concepts like fit-to-standard and fit/gap analysis, understand the methodology, and walk through the key phases of project management. b. Tools and Technologies Open up your SAP Activate toolkit. See how to access SAP Activate content with SAP Best Practices Explorer, SAP Solution Manager, and more. Then, use SAP Best Practices and SAP Model Company to set up a working system for your workshops. c. Deployment Deploy SAP S/4HANA, step by step. Follow detailed instructions to plan, prepare for, and execute your on-premise or cloud deployment activities according to SAP Activate. Walk through key scenarios for a hybrid implementation of SAP S/4HANA in your landscape. Highlights Include: 1) Deployment 2) Guided configuration 3) Agile project delivery 4) SAP Best Practices 5) SAP Model Company 6) Organizational change management 7) SAP S/4HANA 8) SAP S/4HANA Cloud 9) Hybrid landscapes 10) C_ACTIVATE05 certification

Beginning SAP Fiori - Bince Mathew 2015-11-28
Take a deep dive into SAP Fiori and discover Fiori architecture, Fiori landscape installation, Fiori standard applications, Fiori Launchpad configuration, tools for developing Fiori applications and extending standard Fiori applications. You will learn: Fiori architecture and its applications Setting up a Fiori landscape and Fiori Launchpad Configuring, customizing and enhancing standard Fiori applications Developing Fiori native applications for mobile Internet of Things-based custom Fiori applications with the HANA cloud platform Bince Mathew, a SAP mobility expert working for an MNC in Germany, shows you how SAP Fiori, based on HTML5 technology, addresses the most widely and frequently used SAP transactions like purchase order approvals, sales order creation, information lookup, and self-service tasks. This set of HTML5 apps provides a very simple and accessible experience across desktops, tablets, and smartphones. Prerequisites and steps for setting up a Fiori landscape and Launchpad Fiori standard application configuration Extending and customizing standard Fiori applications Developing custom Fiori applications from scratch Building custom Fiori applications for Internet Of Things using HANA cloud Fiori apps with cordova and kapsel plugins

ABAP to the Future - Paul Hardy 2021
ABAP to the Future is back, and better than ever! Looking for the latest in ABAP syntax? The code examples are fully rewritten. Need to start working in the cloud with the ABAP RESTful application programming model? We've got you covered. Got a new IDE like SAP Business Application Studio? We'll show you the ins and outs of your environment. From abapGit and ABAP2XLSX to SAPUI5 and Web Dynpro ABAP, this new edition has everything you need to be on the cutting edge!

IBM Software for SAP Solutions - Yaro Dunchych 2015-09-29
SAP is a market leader in enterprise business application software. SAP solutions provide a rich set of composable application modules, and configurable functional capabilities that are expected from a comprehensive enterprise business application software suite. In most cases, companies that adopt SAP software remain heterogeneous enterprises running both SAP and non-SAP systems to support their business processes. Regardless of the specific scenario, in heterogeneous enterprises most SAP implementations must be integrated with a variety of non-SAP enterprise systems: Portals Messaging infrastructure Business process management (BPM) tools Enterprise Content Management (ECM) methods and tools Business analytics (BA) and business intelligence (BI) technologies Security Systems of record Systems of engagement The tooling included with SAP software addresses many needs for creating SAP-centric environments. However, the classic approach to implementing SAP functionality generally leaves the business with a rigid solution that is difficult and expensive to change and enhance. When SAP software is used in a large, heterogeneous enterprise environment, SAP clients face the dilemma of selecting the correct set of tools and platforms to implement SAP functionality, and to integrate the SAP solutions with non-SAP systems. This IBM® Redbooks® publication explains the value of integrating IBM software with

SAP solutions. It describes how to enhance and extend pre-built capabilities in SAP software with best-in-class IBM enterprise software, enabling clients to maximize return on investment (ROI) in their SAP investment and achieve a balanced enterprise architecture approach. This book describes IBM Reference Architecture for SAP, a prescriptive blueprint for using IBM software in SAP solutions. The reference architecture is focused on defining the use of IBM software with SAP, and is not intended to address the internal aspects of SAP components. The chapters of this book provide a specific reference architecture for many of the architectural domains that are each important for a large enterprise to establish common strategy, efficiency, and balance. The majority of the most important architectural domain topics, such as integration, process optimization, master data management, mobile access, Enterprise Content Management, business intelligence, DevOps, security, systems monitoring, and so on, are covered in the book. However, there are several other architectural domains which are not included in the book. This is not to imply that these other architectural domains are not important or are less important, or that IBM does not offer a solution to address them. It is only reflective of time constraints, available resources, and the complexity of assembling a book on an extremely broad topic. Although more content could have been added, the authors feel confident that the scope of architectural material that has been included should provide organizations with a fantastic head start in defining their own enterprise reference architecture for many of the important architectural domains, and it is hoped that this book provides great value to those reading it. This IBM Redbooks publication is targeted to the following audiences: Client decision makers and solution architects leading enterprise transformation projects and wanting to gain further insight so that they can benefit from the integration of IBM software in large-scale SAP projects. IT architects and consultants integrating IBM technology with SAP solutions.

Customizing SAP S/4HANA with SAP Cloud Platform - Paresh Mishra 2020-11-24
Build a flexible and sustainable environment for SAP S/4HANA development with this guide to SAP Cloud Platform services! Walk through the steps involved in designing your enterprise architecture, from evaluating your existing landscape to extending and enhancing SAP S/4HANA without disrupting the core. You'll get a detailed look at how to use SAP Cloud Platform services for master data, data integration, business process automation, UX, and security. Future-proof your system! Highlights include: 1) Enterprise architecture design 2) Master data distribution 3) Data integration 4) Business process automation 5) User experience 6) Security 7) Extensions 8) Cloud-native applications 9) DevOps 10) Continuous monitoring

Learn SAP(R) Ui5 - Nuno Correia 2016-06-21
SAPUI5 / OpenUI5 is the top trend in the SAP Technical marketplace and almost all the major projects now require this skill-set. The development with SAP UI5 / Open UI5 involves new and cutting edge technologies, responsible for bringing a lot of aspects related to web app development, which makes it difficult to learn.This book is the final result of months of preparation and planning to compile all the details in making the learning process easy, complete and fast. What are benefits of this book: If you want to learn SAPUI5 / Open UI5 then this book will be for you: it comes with rich content that takes you from writing a simple "Hello World" app to building your own responsive SAP UI5 complex app. The majority of the content is hands-on, which involves a lot of challenges and exercises and makes the book interesting and engaging. The book covers not only individual topics but also describes real world scenarios where the concepts are used. It shares SAPUI5 best practices of implementing a concept to a real SAP global project. The examples were carefully selected to make the book fun and interesting to learn. The development scenarios include simulating common mistakes that UI5 developers frequently make, so they can learn exactly how to fix fast. The book gives importance to all aspects of SAPUI5 / OpenUI5 development, may it be wire-framing, design and analysis, development or styling and theming. And finally, it shares information about lots of tools and plugins, which will boost the developers' productivity and efficiency. /li>

SAP Cloud Platform - Gairik Acharya 2018-12-28
Learn to build cloud applications from the ground up using SAP Cloud Platform. Explore the Neo and Cloud Foundry development environments; pick your backend language from a selection including Java, Node.js, and ABAP; and create a frontend with SAPUI5 and SAP Fiori, and more. Once your app is ready to run, secure, test, and monitor it before delivery and implementation. Then find out how to integrate essential SAP Cloud Platform services like the SAP Leonardo toolset. Take your apps to the next level a. Application

Development Learn the ins and outs of application development, from Java, Node.js, Python, SAP HANA XS, SAP HANA XSA, and ABAP in the backend. For the frontend, explore SAPUI5, SAP Fiori, and SAP Web IDE. b. Lifecycle Management Secure and monitor applications, set up a continuous delivery and continuous integration pipeline, and implement DevOps best practices. c. Microservices Integrate your applications with SAP Cloud Platform microservices like Internet of Things 4.0, machine learning, and blockchain from the SAP Leonardo toolset. 1) SAP Cloud Platform 2) Neo Environment 3) Cloud Foundry 4) Microservices 5) Frontend and backend development 6) Application lifecycle management 7) SAP Leonardo 8) Java 9) SAPUI5 10) CI/CD 11) DevOps

Pro HTML5 Games - Aditya Ravi Shankar 2017-10-05
Build your next game on a bigger scale with Pro HTML5 Games. This essential book teaches you to master advanced game programming in HTML5. You'll learn techniques that you can transfer to any area of HTML5 game development to make your own professional HTML5 games. Led by an expert game programmer, you'll build two complete games in HTML5: a strategy puzzle game based on the Box2d physics engine and in the style of Angry Birds and a real-time strategy (RTS) game complete with units, buildings, path-finding, artificial intelligence, and multiplayer support. This new and fully updated second edition now includes chapters on mobile game development and an essential game developer's toolkit. Understand how to develop complex, bolder games and become an HTML5 games pro using Pro HTML5 Games today. What You'll Learn Create realistic physics in your game by incorporating the Box2d physics engine Design large worlds with lots of characters and let users interact with them Use sprite sheets, panning, parallax scrolling, and sound effects to build a more polished game Incorporate pathfinding and steering to help characters navigate through your world Create challenging levels with intelligent enemies by using decision trees, state machines, and scripted events Add multiplayer in your games using Node.js and the WebSocket API

Visual Studio Code for SAP - Leon Hassan 2022-11-22
Start programming your SAP applications in Visual Studio Code! This hands-on guide begins with an overview of how VS Code works and how it connects to your SAP systems. Then learn how to manage version control by integrating VS Code with Git. Follow step-by-step instructions to develop SAPUI5 web components, build applications with ABAP, create SAP Fiori apps using SAP Fiori elements, and work with the SAP Cloud Application Programming Model. Get everything you need to master this IDE! Highlights include: 1) Git 2) SAPUI5 3) ABAP 4) SAP Fiori elements 5) SAP HANA Cloud 6) SAP Cloud Application Programming Model 7) Installation 8) Programming environment 9) Application development 10) Deployment and testing

SAP Gateway and OData - Carsten Bönnen 2016-04-01
Connect your SAP system and the world of OData with this comprehensive guide to SAP Gateway! Begin with the basics, then walk through the steps to create an OData service. Expand your skills further, with how-tos on developing SAPUI5 apps with the SAP Web IDE; building SAP Fiori, mobile, and enterprise applications; and performing administrative tasks for lifecycle management and security. Explore the latest trends and technologies, and map out your OData future! a. Deployment, Installation, Configuration Get started! Discover the various deployment options for SAP Gateway, and get step-by-step instructions for installation and configuration. b. OData Services Create! Walk through the specific tools for and steps in creating OData services. Then learn how to extend your existing OData services, including redefining services and customizing SAP Fiori apps. c. Application Development Develop! Learn how OData and SAP Gateway are used in SAPUI5, SAP Fiori, mobile, social media, and enterprise applications. Highlights: SAP Gateway installation and deployment OData service creation and deployment Mobile development Social media development Security Lifecycle management SAPUI5 SAP Web IDE SAP Fiori SAP HANA Galileo Press heißt jetzt Rheinwerk Verlag.