

# Sap Ui5 Getting Started With Sapui5

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## 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

## **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.

**SAP S/4HANA Cloud** - Thomas Saueressig 2022

SAP S/4HANA Cloud has a lot to offer-see what's possible! Explore core functionality like finance, logistics, and reporting with embedded analytics. Learn how SAP S/4HANA Cloud impacts your users and how it can be extended, integrated, and adopted by your organization. Get information on the latest intelligent technologies and see how SAP S/4HANA Cloud can help unify and streamline your business. A bold new world awaits in the cloud! Highlights include: 1) User experience 2) Analytics 3) Business functionality 4) Global business processes 5) Extensibility 6) Integration 7) Adoption 8) Lifecycle management 9) Intelligent enterprise

**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.

*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 Fiori Implementation and Development* - Anil Bavaraju 2015

Learning SAP Analytics Cloud - Riaz Ahmed 2017-07-10

Start making better business decisions backed by data  
About This Book Predict new opportunities and risks in a few mouse clicks  
Eliminate complexity with tools that let you plan, analyze, and collaborate in context—in real time

Discover, visualize, plan, and predict in a single product with agile BI tools Who This Book Is For This book targets IT professionals, business analysts, BI developers, managers, newcomers to SAP Analytics Cloud, and ultimately anyone who wants to learn from self-paced, professional guidance and needs a solid foundation in SAP Analytics Cloud. What You Will Learn A clear understanding of SAP Analytics Cloud platform Create data models using different data sources, including Excel and text files . Present professional analyses using different types of charts, tables, geo maps, and more Using stories, drill up and down instantly to analyze data from various angles Share completed stories with other team members or compile them in SAP Digital Boardroom agendas for presentation to major stakeholders Export the results of a story to a PDF file Save time by planning, analyzing, predicting, and collaborating in context Discover, visualize, plan, and predict in one product as opposed to separate solutions In Detail The book starts with the basics of SAP Analytics Cloud (formerly known as SAP BusinessObjects Cloud) and exposes almost every significant feature a beginner needs to master. Packed with illustrations and short, essential, to-the-point descriptions, the book provides a unique learning experience. Your journey of exploration starts with a basic introduction to the SAP Analytics Cloud platform. You will then learn about different segments of the product, such as Models, Stories, Digital Boardroom, and so on. Then, you are introduced to the product's interface: the Home screen, the main menu, and more. Then comes the hands-on aspect of the book, which starts with model creation. Next, you learn how to utilize a model to prepare different types of stories(reports) with the help of charts, tables, Geo Maps, and more. In the final chapters of this book, you will learn about Digital Boardroom, Collaboration, and Administration. Style and approach The easy-to-follow visual instructions provided in this book help business users and report developers create simple and complex stories (reports) quickly

[Practical Guide to SAP HANA and Big Data Analytics](#) - Dominique Alfermann 2018-12-20

In this book written for SAP BI, big data, and IT architects, the authors expertly provide clear

recommendations for building modern analytics architectures running on SAP HANA technologies. Explore integration with big data frameworks and predictive analytics components. Obtain the tools you need to assess possible architecture scenarios and get guidelines for choosing the best option for your organization. Know your options for on-premise, in the cloud, and hybrid solutions. Readers will be guided through SAP BW/4HANA and SAP HANA native data warehouse scenarios, as well as field-tested integration options with big data platforms. Explore migration options and architecture best practices. Consider organizational and procedural changes resulting from the move to a new, up-to-date analytics architecture that supports your data-driven or data-informed organization. By using practical examples, tips, and screenshots, this book explores: - SAP HANA and SAP BW/4HANA architecture concepts - Predictive Analytics and Big Data component integration - Recommendations for a sustainable, future-proof analytics solutions - Organizational impact and change management

*Leveraging SAP GRC in the Fight Against Corruption and Fraud* - Maxim Chuprunov 2018-01-23

**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

[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.

[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!

*SAPUI5 and Fiori. Status and Future Perspective*  
- 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 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.

**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.

*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

**The In-Memory Revolution** - Hasso Plattner  
2015-12-28

This book describes the next generation of business applications in the innovative new SAP Business Suite 4 SAP HANA (SAP S/4HANA), exploiting the revolutionary capabilities of the SAP HANA in-memory database. Numerous real-world examples are presented illustrating the disruptive potential of this technology and the quantum leap it has facilitated in terms of simplicity, flexibility, and speed for new applications. The intuitive structure of this book offers a straightforward business perspective grounded in technology in order to enable valuable business insights drawn from the wealth of real-world experience of the book's two authors, both prominent figures in the field of business application systems: Hasso Plattner and Bernd Leukert. Hasso Plattner is the co-founder of SAP and the founder of the Hasso Plattner Institute, affiliated with the University of Potsdam, Germany. Bernd Leukert is a member of the SAP Executive Board and the Global Managing Board of SAP.

**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

**ABAP Development for SAP S/4HANA** - Stefan Haas 2018

Combine your skills in ABAP, SAP Fiori, core data services, and more to master the end-to-end development process for SAP S/4HANA applications. Learn to use the ABAP programming model for SAP Fiori to build applications from scratch, or use SAP Fiori elements to get a head start! Then, deploy your applications to SAP Fiori launchpad and get the best practices you need to operate applications post-development, including Git version control, application tests, and setting up an integration pipeline.

a. Getting Started Get the development

foundation you need and master SAP S/4HANA architecture, SAP Fiori, design-led development strategies, and the ABAP programming model for SAP Fiori.

b. End-to-End Development Use step-by-step instructions to develop in SAP S/4HANA using core data services, SAP Gateway, OData, service adaptation description language, and BOPF. Create list reports and object pages, overview pages, analytical list pages, freestyle applications, and more.

c. Operating Applications Once your applications are developed and exported, get the best practices you need to operate them: Git version control, automated backend and frontend testing, and continuous integration for SAPUI5 and ABAP.

1) ABAP programming model for SAP Fiori  
 2) SAP Fiori  
 3) Git  
 4) SAP Web IDE  
 5) ABAP Test Cockpit  
 6) Core data services (CDS)  
 7) Business Object Processing Framework (BOPF)  
 8) Service Adaptation Description Language (SADL)  
 9) OData services  
 10) SAP S/4HANA Cloud SDK

*Basics in Business Informatics* - Peter Weber 2022

This book takes you on a journey into the world of business informatics. It has a modular structure and covers the key aspects of business informatics. Besides the thematic introductions, each chapter includes excursions, review questions, and practical exercises, for which solutions are provided in a separate chapter. The book concludes with two teaching cases on digital transformation. It is designed for students and lecturers at universities and technical colleges, but also as a resource for IT trainings.

**Content**  
 Introduction to Business Informatics  
 Computer Systems  
 Computer Networks  
 Business Applications  
 Database Systems  
 Management Support Systems and Business Intelligence  
 Business Process Management  
 Software Engineering  
 Information Management  
 Data Security and Data Protection  
 Teaching Cases on Digital Transformation:  
 "Bitcoin and Blockchain in Action" and "RPA -- Robot colleagues in the office"

**Target group**  
 Students and lecturers in the fields of Business Informatics, Business Sciences, and Computer Sciences

**The authors**  
 Prof. Dr. Peter Weber: Professor of Computer Science / E-Business, South Westphalia University of Applied Sciences.  
 Prof. Dr. Roland Gabriel: Professor

Emeritus of Business Informatics, Ruhr University Bochum. Prof. Dr. Thomas Lux: Professor of Process Management in Health Care, Niederrhein University of Applied Sciences. Katharina Menke: Research associate at the Competence Center E-Commerce, South Westphalia University of Applied Sciences.

**SAP Fiori Certification Guide** - Krishna Kishor Kammaje 2018

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

**SAP Business Intelligence Quick Start Guide** - Vinay Singh 2019-02-27

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.

*SAP Gateway and OData* - Carsten Bönner 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.

**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 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

**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 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.

**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!--

**SAP HANA** - Bjarne Berg 2014-08-25

**First Steps in SAP S/4HANA Finance** - Janet Salmon 2020-12-04

SAP's latest product, SAP S/4HANA, is revolutionizing how we approach finance by re-architecting data persistency and by merging accounts and cost elements. This book offers a fundamental introduction to SAP S/4HANA Finance, explaining how Accounting and Controlling have merged, and how they integrate with planning and group reporting. Learn about the new con-figuration options, updated data models, and what this means for reporting in the future. Obtain a first-hand look at the new user interfaces in SAP Fiori. Review the new universal journal, asset accounting, material ledger, and margin analysis functionality. Examine the steps required to migrate to SAP S/4HANA Finance and walk through the deployment options. Explore the new possibilities for reporting and analysis. Learn how to set up roles and business catalogs to provide users with access to the Fiori applications, and gain an understanding of the various types of applications. By using practical examples, tips, and screenshots, this book helps readers to: - Understand the basics of SAP S/4HANA Finance - Explore the new architecture, updated configuration options, and SAP Fiori - Examine SAP S/4HANA Finance migration steps - Understand alternative deployment options, such as a central finance deployment

**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"--

SAP S/4HANA Embedded Analytics - Jürgen Butsmann 2021

Meet your BI needs with SAP S/4HANA embedded analytics! Explore the system architecture and data model and learn how to perform analytics on live transactional data. Business user? Walk step-by-step through SAP Smart Business KPIs, dashboards, and multidimensional reporting. Analytics specialist? Master the virtual data model and report creation. Jack of all trades? Create CDS views, apply custom fields and logic, and learn to integrate SAP S/4HANA with SAP Analytics Cloud. This is your complete guide to SAP S/4HANA embedded analytics! Highlights include: 1) Architecture 2) Virtual data model (VDM) 3) CDS views 4) SAP Fiori apps 5) SAP Smart Business 6) Key performance indicators (KPIs) 7) Dashboards 8) Reporting 9) Data warehousing 10) SAP Analytics Cloud 11) Machine learning

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

Mastering Shiny - Hadley Wickham 2021-04-29

Master the Shiny web framework—and take your R skills to a whole new level. By letting you move beyond static reports, Shiny helps you create fully interactive web apps for data analyses. Users will be able to jump between datasets, explore different subsets or facets of the data, run models with parameter values of their choosing, customize visualizations, and much more. Hadley Wickham from RStudio shows data scientists, data analysts, statisticians, and scientific researchers with no knowledge of HTML, CSS, or JavaScript how to create rich web apps from R. This in-depth guide provides a learning path that you can follow with confidence, as you go from a Shiny beginner to an expert developer who can write large, complex apps that are maintainable and performant. Get started: Discover how the major pieces of a Shiny app fit together Put Shiny in action: Explore Shiny functionality with a focus on code samples, example apps, and useful techniques Master reactivity: Go deep into the theory and practice of reactive programming and examine reactive graph components Apply best practices: Examine useful techniques for making your Shiny apps work well in production **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! □

*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

**First Steps in SAP Fiori** - Anurag Barua 2017-04-30

Are you wondering what SAP Fiori is all about? Dive into SAP's new user interface and gain an understanding of core SAP Fiori concepts and get quickly up to speed SAP Fiori functionality, architecture, prerequisites, and technical components. Walk through key configuration

and get examples of what has gone well (and not so well) on real SAP Fiori implementation projects. Take a technical deep dive into the types of Fiori apps including transactional apps, analytics apps, and fact sheets and walk through custom development and enhancements. By using practical examples, tips, and screenshots, the author brings technical and non-technical readers alike up to speed on SAP Fiori. - SAP Fiori fundamentals and core components - Instructions on how to create and enhance an SAP Fiori app - Installation and configuration best practices - Similarities and differences between SAP Fiori and Screen Personas *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

*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 Fiori Launchpad** - Steve Guo 2018-12-28

**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\_ACTIVATION certification