The Abap Developers Guide To Javafree

Previous edition: ABAP development for SAP HANA / Thorsten Schneider, Eric Westenberger, and Hermann Gahm. 2014. There are many things developers and administrators must consider when designing a successful portal application, including how content will be published, how to integrate custom developments, and how to connect to external systems. This book enables you to meet all of these requirements for creating applications for SAP NetWeaver Portal and publishing portal content. The book first provides a step-by-step introduction to roles, worksets, pages, and iViews. From there it guides you through all essential implementation phases, including user administration, connecting external systems using single sign-on, layout of externally facing portals, and ultimately transporting data to your live system. Two detailed workshops provide hands-on examples showing you exactly how to customize portal components and even create new ones.

Easily master JavaScript (JS) with this quick guide and develop mobile and desktop applications for SAP Fiori. This book equips ABAP/SAP developers with the essential topics to get started with JS. The focus of JavaScript Essentials for SAP ABAP Developers is on the parts of the JS language that are useful from the perspective of an ABAP developer. The book starts with a brief intro to HTML, the basics of JS, and how to create and run a simple JS program. It then dives into the details of the language, showing how to make simple programs. It covers loops in detail, mathematical operations, and string and regular expressions in JS, as well as a taste of functions, followed by objects and object-oriented programming in JavaScript. The book provides: Sample code and screenshots to help you fully understand JS A chapter on JS best practices and recommendations Differences and comparisons of the elements and data structures of ABAP and JavaScript to help you quickly master the material What You'll Learn Create and run a simple JavaScript program Understand loops, operations, and expressions Master the Create and Use functions Use objects and object-oriented programming in JS Apply the best practices of JS programming Who This Book Is For SAP programmers and developers, ABAP users and developers, and university students learning ABAP and JavaScript

ABAP's object-oriented concepts let you develop flexible, self-contained software, completely independent of standard SAP applications. But doing so is challenging, even for experienced software architects. This book addresses this issue by showing you, in a hands-on, step-by-step manner, how to successfully navigate the development process with ABAP Objects. First, uncover the requirements critical for designing application systems, and how to model the application object. Then, you'll benefit from expert guidance on the application system in general, including how to split an application into packages, define dependencies, and develop interfaces. Finally, with the authors' help, you'll tackle the greatest challenge of them all: implementing the application layer. GUI programming, SAP Business Partner, and special application programming techniques are also carefully explained in detail. Complete with chapters on information acquisition and managing development projects, this comprehensive programming guide is a must for every serious ABAP developer.

This book offers a comprehensive practical guide to SAP ABAP for ABAP professionals. Part I of this two-part series lays the groundwork with ABAP basics. Readers will learn fundamental methods and procedures for everyday ABAP use— for example, how to download files from SAP directories to workstations. Dive into the SAP Data Dictionary and how it works. Get detailed information on effective debugging techniques and how to use the SAP Debugger. Clarify when it is best to use standard SAP tables vs. Z-tables. Get expert developer tips and tricks including how to navigate ALV grid lists. Understand the documentation programs available to you and how to use them. Obtain useful reference lists of SAP transactions and SAP database tables. By using practical examples, tips, and screenshots, the author brings readers up to speed on the fundamentals of SAP ABAP. - How to get the most out of SAP ABAP - Guide for understanding and using the SAP Data Dictionary - Beginner and advanced debugging techniques - Expert ABAP development techniques

This book guides you, step-by-step through the graphical development of professional analytical applications using SAP NetWeaver Visual Composer - with no programming required. First, you'll learn how to create a simple and straightforward quick-start application. This quick, hands-on introduction gives you a fundamental understanding of the processes involved in developing SAP xApp Analytics. Then, benefit from expert instruction as the authors demonstrate different techniques and options provided by SAP NetWeaver Visual Composer such as popup iViews, nested iViews, navigation controls as well as web services and static and dynamic entry tools to name just a few. By reading this book, you'll develop a deep understanding of the many options provided by SAP NetWeaver Visual Composer - from the most basic, to the most advanced level. Armed with this key knowledge, you'll have the information and skills needed to implement a large and complex analytical application for your own organization.The concise, goal-oriented descriptions featured in this book ensure rapid learning with tangible results and serve to provide you with profound knowledge and practical guidance on SAP NetWeaver Visual Composer and SAP xApp Analytics.

If you're looking for a comprehensive learning resource that will guide you in the development of interfaces using SAP NetWeaver PI, then you've come to the right place. Whether you're an experienced developer looking to transition your skills or a novice developer trying to establish your career, you'll find that this book provides you with everything you need to get started with SAP NetWeaver PI. This book was written by developers, for developers. Each topic is covered with a balanced approach that combines conceptual theory with practical examples. Along the way, you'll find plenty of illustrations and code samples that will help you get started right away with your own developments. Within the book, you'll find detailed information about core development topics in SAP NetWeaver PI as well as some complementary Internet-based technologies that go hand-in-hand with modern interface development.

This book is geared towards ABAP developers and offers detailed information on how to use SAP List Viewer (ALV) to display business data with an interface that lets users rearrange, sort, total, and download data. Obtain comprehensive information on how to write a basic ALV program. Walk through a detailed training scenario and get tips on how to adapt the scenario for your company. Readers will master two ALV types: control framework and function modules. Identify when to use object-oriented techniques and when it may make more sense to quickly adjust existing ALV programs. By using practical examples, tips, and screenshots, the author brings ABAP developers up to speed on SAP ALV. - Learn how to write a basic SAP ALV program - Walk through the object-oriented control framework and function modules - Get tips on adding sorting and grouping features - Dive into how to add editable fields, events, and layout variants

Step into ABAP with this beginner's guide. First understand ABAP syntax and find out how to add data and logic to your applications. Then delve into backend programming: learn to work with the ABAP data dictionary, create database

objects, and process and store data. Round out your skill set by practicing error handling, modularization, string manipulation, and more. With guided examples, step-by-step instructions, and detailed code you'll become an ABAP developer in no time Highlights: Procedural programming Object-oriented programming Flow control Arithmetic operations Data dictionary Defining variables and constants Creating tables Database read/write Modularization Debugging SAP List Viewer (ALV)

This book is written in simple, easy to understand format with lots of screenshots and step-by-step explanations. If you are an ABAP developer and consultant looking forward to build advanced SAP programming applications with ABAP, then this is the best guide for you. Basic knowledge of ABAP programming would be required.

The data locked in your organization's systems and databases is a precious -- and sometimes untapped -- resource. The SharePoint Business Data Catalog makes it easy to gather, analyze, and report on data from multiple sources, through SharePoint. Using standard web parts, an efficient management console, and a simple programming model, you can build sites, dashboards, and applications that maximize this business asset. SharePoint 2007 Developer's Guide to Business Data Catalog is a practical, example-rich guide to the features of the BDC and the techniques you need to build solutions for end users. The book starts with the basics -- what the BDC is, what you can do with it, and how to pull together a BDC solution. With the fundamentals in hand, it explores the techniques and ideas you need to put BDC into use effectively in your organization. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. Knowledge of SharePoint Server and WSS is required. "This book is an absolute must-have!"-Christina Wheeler, SharePoint Consultant, Summit 7 Systems " from experts who know the BDC inside and out."-Monty Grusendorf, Senior Web Developer, Bantrel "An excellent guide for working with the BDC."-Darren Neimke, Author of ASP.NET 2.0 Web Parts in Action "A one-stop guide for SharePoint BDC developers."-Prajwal Khanal, Senior Software Engineer, D2HawkeyeServices Pvt. Ltd.

"Stay on the cutting edge of ABAP technology! Learn what's new with the latest ABAP releases--7.52 and 7.53--and see what other SAP technologies are now bringing to the table. Learn about abapGit and transporting objects between systems, designing exception classes, and new test tools for core data services, SAPUI5, and Web Dynpro ABAP. Take your ABAP coding to the next level"--

ABAP developers, are you looking to clean up your code? Then pick up this official companion to the Clean ABAP GitHub repository. This book is brimming with best practices, straight from the experts, to help you write effective ABAP code. Start by learning when to apply each clean ABAP practice. Then, dive into detailed code examples and explanations for using classes, methods, names, variables, internal tables, and more. From writing code to troubleshooting and testing, this is your complete style guide! In this book, you'll learn about: a. Clean ABAP Concepts What is clean ABAP and why is it important to write clean code? Understand clean ABAP concepts with insight from the experts, including special considerations for legacy code and performance. b. Best Practices Walk through the what, why, and how behind clean ABAP best practices. Learn to improve your code, including using classes and interfaces appropriately, handling method design and control flow, designing and running unit tests, and much more. c. Practical Examples See clean ABAP practices in action! Improve your understanding of how to write effective code. Use detailed examples for each best practice that demonstrate the difference between clean and messy code. Highlights include: 1) Classes and interfaces 2) Methods 3) Names 4) Variables and literals 5) Internal tables 6) Control flow 7) Comments 8) Formatting 9) Error handling 10) Unit testing 11) Packages

Developers, system integrators, and software engineers can use this book as a hands-on guide for implementing security standards using SAP NetWeaver 7.0. Each chapter starts with a description of the basic principles of different technologies – Web Services Security, Single Sign-on, SAML, SPML, etc. – and continues with detailed examples and hands-on exercises. In these exercises, you assume the role of an application developer responsible for communication and data security, as well as identity management, in a sample enterprise. Changing business requirements force you to adjust security measures at the application level. This requires you to know the relevant techniques to integrate different system components, and to implement open security standards in the context of service-oriented architectures. Numerous implementation tips, screenshots, and code examples provide detailed information about how you can efficiently use the different standards. And, the enclosed CD contains all programming examples used in the hands-on scenario.

This astounding SAP PM self-assessment will make you the assured SAP PM domain veteran by revealing just what you need to know to be fluent and ready for any SAP PM challenge. How do I reduce the effort in the SAP PM work to be done to get problems solved? How can I ensure that plans of action include every SAP PM task and that every SAP PM outcome is in place? How will I save time investigating strategic and tactical options and ensuring SAP PM opportunity costs are low? How can I deliver tailored SAP PM advise instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all SAP PM essentials are covered, from every angle: the SAP PM self-assessment shows succinctly and clearly that what needs to be clarified to organize the business/project activities and processes so that SAP PM outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced SAP PM practitioners. Their mastery, combined with the uncommon elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in SAP PM are maximized with professional results. Your purchase includes access to the $249 value SAP PM self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. Your exclusive instant access details can be found in your book.

This book addresses the web services arena with a specific agenda of providing information right from covering the fundamental aspects to its deployment and implementation issues. The content is introductory in nature, and covers not only the technology aspects, but also highlights the application scenarios across the industry. In order to illustrate the potential of web services, a case

study exemplifying the Financial and Banking Services industry has been chosen for presentation the book.

With growing interest in the development of low cost development solutions in a corporate environment, PHP is becoming more and more popular. However, the biggest problem for most SAP developers is the need for quick information to help them hit the ground running. This book provides readers with a comprehensive assessment of what is really needed to work with PHP, as well as how the SAP and PHP systems work together. After a short introduction to PHP and its capability characteristics, the SAPRFC extension module for PHP 4 and PHP 5 is explained in detail. Working with a sample application, you will learn how the two systems communicate with one another, and how best to use PHP for your own SAP-related development projects.

SAP NetWeaver Composition Environment helps you to create composite applications quickly and efficiently -- this practical developer's guide shows you how. Using numerous examples you'll learn how to use the development tools and methods to build your own composite applications with SAP NetWeaver CE 7.1. In the detailed programming tutorials throughout the book, the authors guide you step-by-step through the worlds of CAF, Web Dynpro, Visual Composer, SAP Interactive Forms by Adobe, and Guided Procedures to help you decide which tool is best suited for your specific use cases. Numerous screenshots, code examples, and best practices, provided directly by SAP, enable you to quickly build your own composite applications and benefit from service-oriented software solutions. The book also includes a trial version of SAP NetWeaver CE 7.1 on DVD, complete with all of the examples used in the book.

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.

This book is brief information on how to use ABAP programming in BW data load processes like transformation, DTPs and infopackages. ABAP programming serves to filter records, do currency conversions, look up and read tables based on specific criteria. It also helps to write complex logic in start, field and end routines.Enhancing your data load process in SAP BW requires knowledge of ABAP and this book helps in filling the gap by providing sample ABAP program snippets to help the BW developer work quickly rather than spending time on the syntax.

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

How can we optimize differentiating business processes and exploit their full potential? Here Volker Stiehl provides answers, utilizing the various options that the BPMN (Business Process Model and Notation) standard offers for planning, implementing and monitoring processes. The book presents an approach for implementing an architecture for applications that strives to find a balance between development and maintenance costs, sustainability, scalability and fault tolerance; that meets flexibility requirements without becoming inordinately complex itself; and that keeps the end application as abstract as possible from the system landscape in which it operates. Based on the semantic enhancements found in version 2.0 of the BPMN standard, which have made it possible to execute process models, his approach exploits BPMN to create and run complete application architectures. In this context, BPMN is not just used to model the business processes of the application, as the "B" in BPMN might suggest; but also to model and execute the integration processes between the systems. Throughout the book, the software package SAP Process Orchestration is used to illustrate the implementation of the proposed architecture, yet all recommendations are intentionally kept generic so that they can be implemented on any other comparable platform as well. Software architects, IT managers, software developers and project managers, as well as students of information and business technology will find the book a valuable resource. The proposed application architecture offers them a detailed blueprint, the principles of which they can use to plan and implement process-driven distributed applications.

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

Master beginning, intermediate, and advanced skills for working with WDA Explore special topics like the Floorplan Manager and integration with SAP NetWeaver Portal Apply your skills to solve practical exercises that illustrate WDA concepts in action Download the complete source code bundle! Writing a Web Dynpro ABAP application may be a job, but it can also be a craft and in this book, you have the tool you need to become a master. Start with the basics, jump right into advanced concepts, or flip straight to workbooks so you can apply your knowledge to real-life exercises. Whatever your WDA goal may be, this book will get you there. The Complete Picture Move through the whole world of WDA at your own pace. Whether you re starting from the ground level or building on existing knowledge, you ll find everything you need. WDA Programming Model Learn about all aspects of the WDA programming model: controllers, contexts, windows, views, UI elements, and more. Special Topics Dive into focused discussions of concepts like the Floorplan Manager, WDA integration, security, and performance tuning.Developer Workbooks Test your knowledge with developer workbooks that ask you to accomplish specific tasks as part of developing a real-life WDA application. Source Code Bundle Explore solutions to the developer workbooks, as well as all the example code in the book, via the book s downloadable source code bundle.

This book is brief information on how to use ABAP programming in enhancement of Data sources used for extraction. Standard Data sources provided by SAP can be enhanced for adding extra fields and also custom / generic data sources can be created which are based on function modules.Enhancing your data source in SAP BW requires couple of steps to be performed and writing ABAP code in the source code of the function module. This book helps in filling the gap by providing sample ABAP program snippets to help the BW developer work quickly rather than spending time on the syntax.

"General Rules : Learn the general principles that you should take into account when you create new programs and classes. Structure and Style : Find the answers to your questions on style, including naming, commentation, and structure of priograms and procedures. Architecture : Explore guidelines on indicidual aspects of architecture, such as object orientation, error handling, user interfaces, data storage, and much more. Secure and Robust ABAP : Ensure your ABAP programs run predictably with no surprises by gaining in-depth knowledge on data types and data objects, calculations and accesses, internal tables, and more. Tips and Hints : Explore tips and hints throughout the book, as welle as examples of good and bad ABAP programming, to help you adopt effective working techniques and principles."--Editor.

The SAP Developer's Guide to PHPSAP PRESSJavaScript Essentials for SAP ABAP DevelopersA Guide to Mobile and Desktop Application DevelopmentApress

This step-by-step developer's guide has everything you need to build SAP HANA-optimized ABAP applications. Explore the environment and tools you'll be using and master development techniques that govern the code-to-data paradigm in SAP HANA. Then jump into backend programming using ABAP Database Connectivity, SQLScript, ABAP-managed database procedures, core data services, and more. Once you've coded your apps, maintain them with runtime statistics, traces, and code analysis. Build it your way! a) Getting Started Begin by exploring the architecture and features of SAP HANA, and setting up your development environments, including SAP HANA Studio and ABAP Development Tools. Understand the code pushdown techniques that govern ABAP development on SAP HANA. b) Database Programming Create, execute, and manage SAP HANA database procedures using native SQL, ABAP Database Connectivity, SQLScript, ABAP-managed database procedures, and more. c) Modeling Use calculation views and CDS views to model SAP HANA data. Create business objects with the Business Object Processing Framework (BOPF). d) Optimizing Applications Use runtime statistics, ABAP and SQL traces, ABAP code analysis, and system-wide analysis tools to make sure your ABAP applications are performing efficiently. 1) SAP HANA 2) ABAP database connectivity (ADBC) 3) ABAP-managed database procedures (AMDP) 4) SQL and SQLScript 5) Data modeling 6) Core data services (CDS) 7) Native SQL and ABAP SQL 8) Business object processing framework (BOPF) 9) ABAP Test Cockpit 10) Runtime statistics and analysis 11) SAP BTP, ABAP Environment

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

Whether you're new to ABAP, or you've been developing for years, this is the resource for you. Build your foundation with basic programming concepts and tools, then take it to the next level with modifications and enhancements for your ABAP code. Design reports and screens, develop applications using dialog programming, create interfaces, and more. Your ultimate reference guide to the world of ABAP is here! a. Everything ABAP Learn everything there is to know about ABAP. Start with keywords, syntax, tools, data types, and events. Then level up and master user interaction, exception handling, dialog and dynamic programming, and more. b. Programming Techniques Get to know techniques like object-oriented and procedural programming and how they relate to ABAP. Master modularization, inheritance, data encapsulation, and leverage existing features and functionality without having to reinvent the wheel! c. Debugging and Testing Writing code is one thing, making it work is another! Learn how to debug code using the classic and new debuggers, and put your programs to the test using tools like ABAP Unit and the code inspector. 1) Architecture and environment 2) Syntax, keywords, structures, and tables 3) User interaction 4) Modularization 5) Persistent data 6) Dialog and dynamic programming 7) Reports and forms 8) Interface development 9) Modifications and enhancements 10) Debugging and testing

This book offers a comprehensive practical guide to SAP ABAP development for ABAP professionals. Part 2 explores program performance, authorizations, error analysis, corrections, and SAP Transport Management along with how to tailor SAP applications. Dive into performance

analysis and get tips on using the performance trace and ABAP runtime analysis. Walk through the tools available to enhance standard SAP applications such as the Modification Assistant, user exits, business add-ins (BAdIs), and the Enhancement Framework. Identify techniques for authorization management and find out how SAP ABAP developers can impact data protection. Obtain best practices for identifying the cause of application errors. Get step-by-step instructions for transports and learn how to correct errors. By using practical examples, tips, and screenshots, the author brings readers up to speed on the fundamentals of SAP ABAP development. - Developer influence on performance - SAP access and account management techniques - Modifications and enhancements to SAP standard - SAP Transport Management System • Build a full-fledged, enterprise-ready application using SAP Web Client• Explore practical examples that demonstrate SAP Web Client development concepts in a clear, easy-to-follow manner• Learn about BSP programming, GenIL programming, and UI configuration and personalizationThis is your comprehensive guide to developing and enhancing applications with SAP Web Client. Focusing on development tasks and practical examples, this book will take you on a journey through the Web Client framework, discussing different programming layers and development activities via the use of practical examples, screenshots, and code. With the perfect balance between theory and practical guidance, this book will teach you everything you need to know about building a full-fledged, enterprise-ready application using Web Client. • Presents the most recent ABAP technologies and tools through the eyes of a developer• Includes new content on syntax enhancements, Web Dynpro, SAP BusinessObjects integration, XML processing, Rich Islands, and more• Companion CD includes an HTML version of the first edition, as well as code samplesNext Generation ABAP Development is a book designed to keep seasoned developers up-to-date with the latest techniques and technologies available in ABAP. In the second edition of this best-selling title, follow along with a lead ABAP developer as he learns how to assess and employ the new tools and features of ABAP within SAP NetWeaver 7.0 to 7.0 enhancement package 2 (EhP2). You'll be able to witness the entire process of building applications: design, development, and testing of all areas. In addition, you'll also become familiar with end-to-end object-oriented design techniques.New Tools and FeaturesKeep your ABAP knowledge up-to-date by mastering the new tools and features of ABAP within SAP NetWeaver 7.0 to 7.0 EhP2.Real-World ExamplesLearn about new possibilities in ABAP by exploring example scenarios related to the fictional development project discussed throughout the book.Brand New ContentExplore completely new content about ABAP syntax enhancements, Web Dynpro, XML processing,SAP BusinessObjects integration, and more.ABAP Troubleshooting and Web ServicesFind expanded and updated information about ABAP troubleshooting and Web Services.CD ContentBenefit from a CD that contains code samples and an HTML version of the first edition of this book.Highlights• Workbench tools and package hierarchy• ABAP syntax enhancements• Data Dictionary objects• Data persistence layer• Shared memory objects• ABAP and SAP NetWeaver Master Data• Management• XML processing and XSLT• SAP Interactive Forms by Adobe Understand ABAP objects—the object-oriented extension of the SAP language ABAP—in the latest release of SAP NetWeaver 7.5, and its newest advancements. This book begins with the programming of objects in general and the basics of the ABAP language that a developer needs to know to get started. The most important topics needed to perform daily support jobs and ensure successful projects are covered. ABAP is a vast community with developers working in a variety of functional areas. You will be able to apply the concepts in this book to your area. SAP ABAP Objects is goal directed, rather than a collection of theoretical topics. It doesn't just touch on the surface of ABAP objects, but goes in depth from building the basic foundation (e.g., classes and objects created locally and globally) to the intermediary areas (e.g., ALV programming, method chaining, polymorphism, simple and nested interfaces), and then finally into the advanced topics (e.g., shared memory, persistent objects). You will know how to use best practices to make better programs via ABAP objects. What You'll Learn Know the latest advancements in ABAP objects with the new SAP Netweaver system Understand object-oriented ABAP classes and their components Use object creation and instance-methods calls Be familiar with the functions of the global class builder Be exposed to advanced topics Incorporate best practices for making object-oriented ABAP programs Who This Book Is For ABAP developers, ABAP programming analysts, and junior ABAP developers. Included are: ABAP developers for all modules of SAP, both new learners and developers with some experience or little programming experience in general; students studying ABAP at the college/university level; senior non-ABAP programmers with considerable experience who are willing to switch to SAP/ABAP; and any functional consultants who want or have recently switched to ABAP technical.

This book provides ABAP examples for each type of RFC, as well as a detailed description of this type of RFC, including how it works, the basics of administration, and how you can use it. I've tried to describe in this book the very essence of the subject, so after reading developer can create or change programs with much more understanding of what to do. The ABAP programs, which are provided to illustrate the RFC programming, use as far as possible standard features of related RFC type, but without details that will be specific to the particular application.

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