

# Inside Web Dynpro For Java A Guide To The Principles Of Programming In Saps Web Dynpro

ABAP Performance Tuning Architecting and Deploying DB2 with BLU Acceleration SAP R/3 Handbook, Third Edition Official ABAP Programming Guidelines Next Generation ABAP Development Rum and Coca Cola SAP Cats SAP Performance Optimization Guide ABAP to the Future Practical Workflow for SAP Enterprise SOA ABAP Cookbook ABAP RESTful Programming Model Enterprise Process Management Systems Deliver Modern UI for IBM BPM with the Coach Framework and Other Approaches Integrating IBM Security and SAP Solutions ABAP 7.4 Certification Guide-- SAP Certified Development Associate ABAP Development for SAP S/4 HANA SAP Backup using Tivoli Storage Manager Advanced BSP Programming Inside Web Dynpro for Java Object-Oriented Design with ABAP The Complete Guide to SAP NetWeaver Portal Java Programming with SAP NetWeaver Praxishandbuch Web Dynpro ABAP Implementing and Configuring SAP MII Upgrading SAP® Web Dynpro ABAP for Practitioners Applying Real-world BPM in an SAP Environment Practical Guide to SAP NetWeaver PI - Development Configuring and Customizing Employee and Manager Self-services in SAP ERP HCM Beginning SAP Fiori Sams Teach Yourself SAP in 24 Hours SAP Process Orchestration SAP NetWeaver For Dummies SAP UI5 and Fiori. Status and Future Perspective Monitoring and Operations with SAP Solution Manager Developer's Guide to SAP NetWeaver Portal Applications SAP ABAP Advanced Cookbook IBM Software for SAP Solutions

## ABAP Performance Tuning

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 SAP UI5 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.

## Architecting and Deploying DB2 with BLU Acceleration

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"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.

### **SAP R/3 Handbook, Third Edition**

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

### **Official ABAP Programming Guidelines**

In this IBM® Redbooks® publication, we give an overview of different data management topics related to a typical SAP® data center. The intrinsic functionality of SAP is not designed to completely handle all the tasks of a data center by itself, but the SAP system offers several interface possibilities to attach external tools to it to accomplish this task We explain SAP basic concepts and the issues with SAP data management. We introduce Tivoli® Storage Manager and all of its products that are related to SAP data management. We provide some comparison between database backup and recovery tools. Finally, we discuss data archiving using IBM DB2® CommonStore for SAP, and discuss high availability requirements and disaster recovery considerations. The second part of this book discusses a practical implementation of SAP backup and recovery with Tivoli Storage Manager. We implement this setup on two separate SAP systems: one running DB2 and the other running Oracle® database. We also implement LAN-free backup and FlashCopy® scenarios. In the sample implementation section, we show many different tasks, such as backup and restore, database recovery, backup monitoring, and tuning. We also cover some advanced backup/availability considerations, such as split mirror backup and standby databases. This book helps

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individuals that operate an SAP environment to devise a strategy for a sound and comprehensive data backup solution using the IBM Tivoli Storage Management product family.

### **Next Generation ABAP Development**

This book is your guide for analyzing and optimizing ABAP source code. You'll learn about the analysis tools and performance-relevant technologies, and discover how you can analyze existing source code and enhance your programming style. This is the resource you need to ensure that your ABAP programs are fully optimized.

- 1 Analysis Tools After reading this book, you'll know when and how to use analysis tools properly including Code Inspector, performance trace, ABAP trace, or single records statistics.
- 2 Programming Technologies Get detailed information on parallel processing, internal tables, SQL data processing, and much more, and learn how these technologies affect performance.
- 3 Buffering Explore the different buffers that are available on the SAP NetWeaver Application Server ABAP, and learn the most important buffer options to avoid unnecessary database accesses.
- 4 Database Tuning You'll obtain a description of the database architecture and the technical background of database accesses, and master the tuning options for database accesses.
- 5 New Developments Learn from a comprehensive overview of the new developments in ABAP Release 7.0, EhP2, such as Transaction SAT, the innovations of the performance trace, and changes of internal tables.

### **Rum and Coca Cola**

"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!"--

### **SAP Cats**

Web Dynpro ABAP ermöglicht die Web-Programmierung von Anwendungen, die durch SAP-Systeme verbunden sind. Der Band bietet eine Schritt-für-Schritt-Einführung in Web Dynpro ABAP. Leser sollen durch das Erarbeiten der praxisbasierten Beispiele in die Lage versetzt werden, die verschiedenen Komponenten dieser Web-Programmierung zu verstehen und anzuwenden. Die Autoren vermitteln auch den Zusammenhang zwischen Web Dynpro ABAP und anderen SAP NetWeaver-Elementen wie z. B. ABAP Dictionary, Autorisierung und Portal Interaction.

### **SAP Performance Optimization Guide**

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.

## **ABAP to the Future**

IBM® DB2® with BLU Acceleration is a revolutionary technology that is delivered in DB2 for Linux, UNIX, and Windows Release 10.5. BLU Acceleration delivers breakthrough performance improvements for analytic queries by using dynamic in-memory columnar technologies. Different from other vendor solutions, BLU Acceleration allows the unified computing of OLTP and analytics data inside a single database, therefore, removing barriers and accelerating results for users. With observed hundredfold improvement in query response time, BLU Acceleration provides a simple, fast, and easy-to-use solution for the needs of today's organizations; quick access to business answers can be used to gain a competitive edge, lower costs, and more. This IBM Redbooks® publication introduces the concepts of DB2 with BLU Acceleration. It discusses the steps to move from a relational database to using BLU Acceleration, optimizing BLU usage, and deploying BLU into existing analytic solutions today, with an example of IBM Cognos®. This book also describes integration of DB2 with BLU Acceleration into SAP Business Warehouse (SAP BW) and SAP's near-line storage solution on DB2. This publication is intended to be helpful to a wide-ranging audience, including those readers who want to understand the technologies and those who have planning, deployment, and support responsibilities.

## **Practical Workflow for SAP**

The purpose of this book is to remove the veil of secrecy surrounding SAP upgrade techniques and concepts, and to provide the user with a detailed description of the steps needed for a successful implementation. Today more than 12 million people in 120 countries who are working for 36,200 companies are using SAP on a regular basis. This popular, but very complex software system must be constantly reconfigured and upgraded to accommodate its latest releases. Upgrading SAP provides a complete overview of the process to upgrade from one SAP release to the next one and explains with detailed descriptions, the use of all relevant SAP upgrade tools. Along with a technical description of the SAP NetWeaver Application Server (AS), it also discusses personnel issues and the economic ramifications of such an upgrade project. Examples in this book are based on various different SAP products and releases, such as SAP NetWeaver 2004, 2004S (also known as NetWeaver 7.0 and 7.1), and SAP Business Suite 2005 with SAP ERP 6.0, BI, CRM, SCM, and SRM. Conceived as both a teaching book and as a reference manual, it covers all the techniques, background information, notes, tips, and tricks needed for any SAP upgrade project. A CD-ROM accompanies the book with templates and outlines for the upgrading process, as well as third-party SAP-related material.

## **Enterprise SOA**

## **ABAP Cookbook**

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

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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.

- 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.
- 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.
- 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

### **ABAP RESTful Programming Model**

IBM® Coach Framework is a key component of the IBM Business Process Manager (BPM) platform that enables custom user interfaces to be easily embedded within business process solutions. Developer tools enable process authors to rapidly create a compelling user experience (UI) that can be delivered to desktop and mobile devices. IBM Process Portal, used by business operations to access, execute, and manage tasks, is entirely coach-based and can easily be configured and styled. A corporate look and feel can be defined using a graphical theme editor and applied consistently across all process applications. The process federation capability enables business users to access and execute all their tasks using a single UI without being aware of the implementation or origin. Using Coach Framework, you can embed coach-based UI in other web applications, develop BPM UI using alternative UI technology, and create mobile applications for off-line working. This IBM Redbooks® publication explains how to fully benefit from the power of the Coach Framework. It focuses on the capabilities that Coach Framework delivers with IBM BPM version 8.5.7. The content of this document, though, is also pertinent to future versions of the application.

### **Enterprise Process Management Systems**

Imagine that it's the 1950s, and you are in charge of developing the U. S. interstate system. There are countless roads already in use. The system can go in numerous different directions. Where do you begin? Starting to transform your business with SAP NetWeaver is that daunting. NetWeaver is both an application platform and an integration platform. It integrates your current IT systems to enable portals, collaboration, data management, and development environments. To grasp the complexities and possibilities of SAP ASAP, dig in with SAP NetWeaver For Dummies and explore: MySAP Business Suite SAP Enterprise Planning Resource (ERP), Customer Relationship Management (CRM), Supply Chain Management (SCM), Human Capital Management (HCM), Product Lifecycle Management (PLM), Supplier Relationship Management (SRM), and more Mobile Infrastructure that performs like a universal translator for mobile interfaces, including laptops,

wireless phones, and PDAs Master Data Management, including using the content consolidation technique to “clean up” data, master data harmonization to distribute it, and central master data management to maintain a data repository Web Application Service and NetWeaver Developer Studio—tools that let you integrate and create your own customized applications Written by Dan Woods, former CTO of The Street.com and CapitalThinking, and Jeffrey Word, the Director of Technology Strategy for SAP, this guide features real-life stories from businesses and examples of typical uses to help you cut through the complexities and get up and running. It includes a CD-ROM with: Detailed white papers and product overviews Stores from customers using SAP NetWeaver today Demos that show SAP NetWeaver in action A directory of resources for additional information Like that interstate system, SAP NetWeaver doesn't have to be integrated all at once. You choose the applications that have the most potential to benefit your company's operations and bottom line. SAP NetWeaver For Dummies even gives you recommendations for rolling it out and suggests practical ways to get started and get quick returns on your SAP investment. Then you're going full-speed ahead on the road to success!

### **Deliver Modern UI for IBM BPM with the Coach Framework and Other Approaches**

- Learn about every configuration step and find all relevant transactions easily
- Explore options for customizing ESS and MSS to meet specific business needs
- Benefit from hands-on tips and expert advice

ESS, MSS, SAP ERP backend, and Portal—are you about to get lost in countless configuration options for SAP's self-services? This book will help. Find details on all configuration steps, easily identify the relevant transactions and tables for a specific task, and benefit from tips and tricks from one of the SAP community's most renowned HR consultants. With extra chapters on workflow, reporting, and authorizations, this book has everything you need to successfully embark on a self-services project.

**Each Step Comprehensively Documented** Find detailed information on IMG access, relevant tables, transaction codes, and optional BAdI enhancements for each configuration step in ESS and MSS.

**Hands-On Instructions and Screenshots** Build the exact solution your HR team wants with expert advice on possible configuration options and screenshots for every step.

**Configuring the Landscape** Learn from in-depth instructions on backend, infrastructure, and cross-application components such as SAP ERP, Portal, workflow, reporting, authorizations, and user management.

**Find Everything You Need in Seconds** An extensive index conveniently points you to all configuration transactions and IMG steps, tables, BAdIs, and reports.

**Bonus Content for Download** Download four additional chapters on integration with Project Self-Services, Employee Interaction Center, E-Recruiting, and SAP Enterprise Learning from our website.

**Highlights**

- Employee Self-Services configuration
- Manager Self-Services configuration
- Portal configuration
- Backend configuration
- Reporting
- Workflow
- User management
- Authorizations
- HR Administrator Role

### **Integrating IBM Security and SAP Solutions**

De Boissiere's second novel, Rum and Coca Cola, which takes place during the Second World War when thousands of American soldiers came to Trinidad to build

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and man military bases. For ambitious Mopsy, Fred, a union activist, and Indra, an educated Indian woman, the arrival of American soldiers means Trinidad will never be the same. The title "Rum and Coca Cola" was adopted as the name of the best known Calypso of all times, made famous by the Andrews Sisters in the 1940's. It was even the subject of a famous court case against Leo Feist, Inc. Rum and Coca Cola was previously published in 1984 by Allison & Bushby.

### **ABAP 7.4 Certification Guide-- SAP Certified Development Associate**

Explore all of the innovations in SAP NetWeaver AS Java (release 7.1) with this completely updated and expanded second edition of our best-selling title. If you're a Java developer entering the SAP world, or an ABAP programmer who needs to find out how the SAP application server is evolving, then this is the book for you. Gain insights into all topic areas linked to Java programming for SAP applications, including business logic, persistence, scalability, maintainability, development in teams, and UI design. In addition, three completely new chapters illustrate in detail the development of composite applications with the Composition Environment, and all other chapters provide revised and updated content for Java EE 5. The book uses an application-oriented approach to teach you how to integrate AS Java into your development landscape, configure it, and leverage its tools productively.

### **ABAP Development for SAP S/4HANA**

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 Backup using Tivoli Storage Manager**

Getting ready to take your ABAP C\_TAW12\_740 certification exam? Find everything you need to ace the 7.4 test in this SAP-endorsed resource! Practice makes perfect, and you'll have practice aplenty with sample questions and answers on

every topic covered on the exam. In addition, you can revisit key terminology and learn exactly what to expect from the test. Soothe your pre-exam jitters and make the grade!

### **Advanced BSP Programming**

- Learn what business process management (BPM) is and how to get started within an SAP context
- Benefit from a comprehensive compilation of use cases from early adopters
- Discover SAP technology, methodology, governance, process-based implementation content, and performance & value metrics

In this unique book, you will learn how to span the gap between business processes and information technology, as well as how to apply BPM within SAP projects. The authors provide extensive information on everything you need to know about the processes and methods to implement BPM (new ASAP, process-based implementation content, BPM technology, and more). Through real-world examples, best practices, and advice from SAP experts, you will understand how BPM works and how you can best use it to your advantage. Additionally, use cases from industry leaders and innovators show you how these early adopters improved their businesses by using BPM technology and methodology.

**Linking Strategy to Operation** Explore how a company's business model is linked to the process model, therefore including performance and value drivers.

**BPM Anatomy** Get an in-depth look at what makes BPM in SAP environments so effective, and understand all of the options and unique add-ons that are available for you to link to your SAP system.

**Real-Life Examples** Explore use cases from different industries to understand how BPM can be applied to your project to maximize efficiency, streamline process performance, achieve performance and value creation, and optimize customer relations.

**Applicable Software for BPM** Learn how standard software in general and SAP products in particular relate to the BPM approach.

**Bonus Material** Access additional articles via the SAP PRESS website on some of BPM's future trends and more advanced fields from top BPM and SAP experts and researchers.

**Highlights**

- Business Model Management
- Performance and Value Drivers
- ASAP 7 Core Methodology and Business
- Add-Ons to ASAP
- Implementation Quality and Process-Based
- Implementation
- Governance Framework and Agile
- Methodology
- Enterprise Architecture and SOA
- SAP NetWeaver BPM and BRM
- SAP NetWeaver Composition Environment
- Rules and Decision Management
- Process Lifecycles
- Business Value Management

### **Inside Web Dynpro for Java**

Enterprise Process Management Systems: Engineering Process-Centric Enterprise Systems using BPMN 2.0 proposes a process-centric paradigm to replace the traditional data-centric paradigm for Enterprise Systems (ES)--ES should be reengineered from the present data-centric enterprise architecture to process-centric process architecture to be called as Enterprise Process Management Systems (EPMS). The real significance of business processes can be understood in the context of current heightened priority on digital transformation or digitalization of enterprises. Conceiving the roadmap to realize a digitalized enterprise via the business model innovation becomes amenable only from the process-centric view of the enterprise. This pragmatic book: Introduces Enterprise Process Management Systems (EPMS) solutions that enable an agile enterprise. Describes distributed

systems and Service Oriented Architecture (SOA) that paved the road to EPMS. Leverages SOA to explain the cloud-based realization of business processes in terms of Web Services. Describes how BPMN 2.0 addresses the requirements for agility by ensuring a seamless methodological path from process requirements modeling to execution and back (to enable process improvements). Presents the spreadsheet-driven Spreadsheets Application Development (SAD) methodology for the design and development of process-centric application systems. Describes process improvement programs ranging right from disruptive programs like BPR to continuous improvement programs like lean, six sigma and TOC. Enterprise Process Management Systems: Engineering Process-Centric Enterprise Systems using BPMN 2.0 describes how BPMN 2.0 can not only capture business requirements but it can also provide the backbone of the actual solution implementation. Thus, the same diagram prepared by the business analyst to describe the business's desired To-Be process can also be used to automate the execution of that process on a modern process engine.

### **Object-Oriented Design with ABAP**

Understand everything you need to know: configuration, administration, development, and more Learn how to perform tasks efficiently and effectively using step-by-step instructions and screenshots Stay up to date with the latest information for release 7.3 An SAP NetWeaver Portal implementation has many stages, and this book will help you every step of the way. From blueprinting, installation, and configuration through portal content development and post-implementation monitoring techniques, you'll find practical explanations and step-by-step instructions that will guide your everyday work. Whether you're new to SAP NetWeaver Portal or want to learn about the new features in the latest release, this reference is your essential companion. Complete Lifecycle of an Implementation Understand the lifecycle of an SAP NetWeaver Portal implementation, from conception to completion. Installation and Configuration Learn about the process of installing and configuring SAP NetWeaver Portal with step-by-step instructions and detailed screenshots. Portal Content Development Create roles, worksets, pages, and iViews with ease, and learn how to manage the appearance of a portal. Custom Enhancements Understand the various technologies and steps involved in developing custom content for an SAP NetWeaver Portal implementation. Up to Date for Release 7.3 Explore the new features of SAP NetWeaver Portal 7.3, such as change recording and creating a portal role based on a backend role.

### **The Complete Guide to SAP NetWeaver Portal**

- Make your SAP system run quickly and efficiently
- Master core concepts like sizing, memory management, and database monitoring
- Explore new topics such as SAP HANA, SAP Sybase ASE, and innovations in SAP NetWeaver AS Java
- 7th Edition Updated for SAP NetWeaver 7.3

In today's high-stakes business environment, system performance is the king of the jungle. From system and load distribution, to memory management, to buffering and locks, you know there's a lot of ground to cover-and many pitfalls to avoid. Up to date for SAP NetWeaver 7.3, this authoritative guide to analysis and tuning offers the practical tips and real-world examples to reach your tuning potential day in and day out. Anticipate, identify, analyze, and solve performance problems to keep your SAP system on

top.SAP BasisGet complete coverage of the SAP Basis hardware, database, memory configuration, and work processes to maximize system analysis and tuning.Analysis ToolsExplore the analysis and tuning tools integrated with SAP NetWeaver 7.3 and get previews of version 7.4. Everything JavaLearn to evaluate CPU performance and available memory, use the SAP Management Console, and clear memory with garbage collection in the SAP Java Virtual Machine.Databases and SQL ProcessingFrom SAP MaxDB to DB2 to SAP Sybase ASE, find the most important information about database monitoring and optimizing SQL statements.Performance Optimization with SAP HANAMake your SAP system faster, sleeker, and stronger with new SAP HANA technologies like in-memory and column-based data storage.Highlights• SAP NetWeaver AS ABAP and Java• Performance problem troubleshooting• Workload analysis• Remote function calls• Memory configuration• SQL statements, locks, and buffering• System architecture• SAP NetWeaver BW and queries• SAP Java Virtual Machine• Hardware sizing and system distribution• Main memory data with TREX and• SAP HANA• SAP Sybase ASE

### **Java Programming with SAP NetWeaver**

This is a must-have, comprehensive guide to SAP Manufacturing Integration and Intelligence (SAP MII) that will teach you how to implement and configure SAP MII to fit your different manufacturing tasks and issues. With this book, you learn how to create composite applications that connect your business processes with your plant systems. And, once you know how to link your plant systems to generate comprehensive and accurate data, the authors show you how to use SAP MII tools to generate accurate reports and dashboards for analysis and real-time monitoring, leading to a more efficient and effective shop floor.

- 1 Administrating and Configuring SAP MII Learn to how to set up, configure, and use the various components in SAP MII to help you develop general data reports for manufacturing integration and analytics.
- 2 Developing MII Composite Applications Explore the SAP MII Workbench to develop content and create different types of data queries, business logic, and visualizations to manage and view plant data.
- 3 Managing Plant Floor Integration Get an in-depth look at the integration aspects of SAP MII, including how to connect to manufacturing plant floor systems using data servers, and how to synchronize the plant floor with other parts of the enterprise.
- 4 Implementing SAP MII Composite Applications Find out about the different implementation scenarios, including the solution architectures and best practices to follow for developing and implementing SAP MII.
- 5 Tips and Tricks Throughout Discover the insider information you need for developing SAP MII composite applications through its model-based interface.

### **Praxishandbuch Web Dynpro ABAP**

Information Technology professionals can use this book to move beyond the excitement of web services and service oriented architecture (SOA) and begin the process of finding actionable ideas to innovate and create business value. In Enterprise SOA: Designing IT for Business Innovation, SAP's blueprint for putting SOA to work is analyzed from top to bottom. In addition to design, development, and architecture, vital contextual issues such as governance, security, change management, and culture are also explored. This comprehensive perspective

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reduces risk as IT departments implement ESA, a sound, flexible architecture for adapting business processes in response to changing market conditions. This book answers the following questions: What forces created the need for Enterprise Services Architecture? How does ESA enable business process innovation? How is model-driven development used at all levels of design, configuration, and deployment? How do all the layers of technology that support ESA work together? How will composite applications extend business process automation? How does ESA create new models for IT governance? How can companies manage disruptive change? How can enterprise services be discovered and designed? How will the process of adapting applications be simplified? Based on extensive research with experts from the German software company SAP, this definitive book is ideal for architects, developers, and other IT professionals who want to understand the technology and business relevance of ESA in a detailed way--especially those who want to move on the technology now, rather than in the next year or two.

### **Implementing and Configuring SAP MII**

Conquer your fear and anxiety learning how the concepts behind object-oriented design apply to the ABAP programming environment. Through simple examples and metaphors this book demystifies the object-oriented programming model. Object-Oriented Design with ABAP presents a bridge from the familiar procedural style of ABAP to the unfamiliar object-oriented style, taking you by the hand and leading you through the difficulties associated with learning these concepts, covering not only the nuances of using object-oriented principles in ABAP software design but also revealing the reasons why these concepts have become embraced throughout the software development industry. More than simply knowing how to use various object-oriented techniques, you'll also be able to determine whether a technique is applicable to the task the software addresses. This book: div Shows how object-oriented principles apply to ABAP program design Provides the basics for creating component design diagrams Teaches how to incorporate design patterns in ABAP programs What You'll Learn Write ABAP code using the object-oriented model as comfortably and easily as using the procedural model Create ABAP design diagrams based on the Unified Modeling Language Implement object-oriented design patterns into ABAP programs Reap the benefits of spending less time designing and maintaining ABAP programs Recognize those situations where design patterns can be most helpful Avoid long and exhausting searches for the cause of bugs in ABAP programs Who This Book Is For Experienced ABAP programmers who remain unfamiliar with the design potential presented by the object-oriented aspect of the language

### **Upgrading SAP®**

Helps you smooth out the bumps in your employee tracking and project monitoring processes. This title explores the different core functions of CATS, such as approval and transfer processes. It shows you how to configure CATS to make it unique to your business requirements, like time entry approval.

### **Web Dynpro ABAP for Practitioners**

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This book allows you to find the answers you need to typical ABAP development problems and tasks. You'll discover best practices for developing solutions, and learn how to apply ABAP to solve different types of problems. The recipes range from simple appetizers to complex main courses -- and some sweet desserts, of course! Each chapter is a short tutorial in itself, organized and consolidated into an easy-to-read format. The various code samples, screenshots, and different icons will help you to follow the best practices. Enjoy your ABAP meal!

**Best Practices** Learn best practices for programming and the solutions to both simple and complex programming problems.

**Programming Techniques** Discover various techniques for dynamic, database, transactional, persistence, interface, and security programming in ABAP.

**Comprehensive Approach to Problem Solving** Explore the context of a problem, solution alternatives, and the thought process involved in the development of a solution.

**Instructive Icons** Easily identify quick tips, step-by-step instructions, and warnings, thanks to the use of helpful icons throughout the text.

**Numerous Examples and Source Codes** Explore coding examples in every chapter, as well as two source code bundles that you can install on your local AS ABAP system.

### **Applying Real-world BPM in an SAP Environment**

A guide to SAP R/3 programming covers such topics as data modeling, systems architecture, and systems installation.

### **Practical Guide to SAP NetWeaver PI - Development**

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.

### **Configuring and Customizing Employee and Manager Self-services in SAP ERP HCM**

This book gives readers proven methods for overcoming common BSP development challenges. Every chapter provides step-by-step instruction and practical guidance on issues that many developers face in their everyday work. Insider know-how on the essentials of BSP programming, exclusive hints on measuring and boosting performance, and in-depth troubleshooting advice all come together to make this book an indispensable addition to your technical library. This unique reference also provides readers with detailed coverage of RSS Feeds, F4 helps, BSP integration in the SAP GUI, and much more. BSP Extensions are also discussed extensively - you learn everything about events, using BSP

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Element Expressions (BEEs), creating custom BSP Extension Elements, and more

### **Beginning SAP Fiori**

Web Dynpro ABAP, a NetWeaver web application user interface tool from SAP, enables web programming connected to SAP Systems. The authors' main focus was to create a book based on their own practical experience. Each chapter includes examples which lead through the content step-by-step and enable the reader to gradually explore and grasp the Web Dynpro ABAP process. The authors explain in particular how to design Web Dynpro components, the data binding and interface methods, and the view controller methods. They also describe the other SAP NetWeaver Elements (ABAP Dictionary, Authorization) and the integration of the Web Dynpro Application into the SAP NetWeaver Portal. The new edition has been expanded to include chapters on subjects such as POWER Lists; creating the Modal Windows and External Windows; using Web Dynpro application parameters and Shared Objects to communicate between the Web Dynpro ABAP Application and Business Server Pages; and creating multi-language mails using Web Dynpro ABAP.

### **Sams Teach Yourself SAP in 24 Hours**

This updated and completely revised second edition of Inside Web Dynpro for Java covers everything you need to know to leverage the full power of Web Dynpro for Java - taking you well beyond the standard drag and drop functionality. For this second edition, sections on the migration of legacy applications have been added, as well as another entirely new section devoted to integration topics. In addition, you'll find key details on the portal, Adobe Document Services, Business Graphics Server, MS Office, and mobile applications, and much more. General architecture Coding principles in Web Dynpro Dynamic UI generation The Common Model Interface The Adaptive RFC layer Web Dynpro phase model Class and Interface Reference

### **SAP Process Orchestration**

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.

### **SAP NetWeaver For Dummies**

Are you ready for the latest process integration solution from SAP? Meet SAP Process Orchestration! This is your complete guide to the tools and components of SAP PO. Learn how to build and configure interfaces and use SAP BPM to manage your business processes. Thanks to both a practical and comprehensive approach, you'll find out how to configure the System Landscape Directory, create an iFlow, monitor message processing, create BPM processes, and so much more.

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

"1st German edition published 2013 by Galileo Press, Bonn, Germany."

## **Monitoring and Operations with SAP Solution Manager**

Many large and medium-sized organizations have made strategic investments in the SAP NetWeaver technology platform as their primary application platform. In fact, SAP software is used to manage many core business processes and data. As a result, it is critical for all organizations to manage the life cycle of user access to the SAP applications while adhering to security and risk compliance requirements. In this IBM® Redbooks® publication, we discuss the integration points into SAP solutions that are supported by the IBM Security access and identity management product capabilities. IBM Security software offers a range of identity management (IdM) adapters and access management components for SAP solutions that are available with IBM Tivoli® Identity Manager, IBM Tivoli Directory Integrator, IBM Tivoli Directory Server, IBM Access Manager for e-business, IBM Tivoli Access Manager for Enterprise Single Sign-On, and IBM Tivoli Federated Identity Manager. This book is a valuable resource for security officers, consultants, administrators, and architects who want to understand and implement an identity management solution for an SAP environment.

## **Developer's Guide to SAP NetWeaver Portal Applications**

With this practical guide, you'll learn how to develop mappings, adapters, and proxies for SAP NetWeaver Process Integration. Each exercise includes detailed descriptions for all development and configuration objects (including monitoring), and then concludes with an integration example. The book is suitable for SAP NetWeaver PI beginners, and can also serve as a reference guide for experienced users. Presentation from a Developer's Perspective Provides a detailed overview of the features and capabilities of SAP NetWeaver PI from a developer's point of view. Comprehensive Exercises Explains mappings, adapters, and proxies using practical, hands-on development of components. Concrete Activity Guidelines Offers detailed tutorials with numerous programming examples to explain the implementation of all development and configuration objects. Multilayer Scenario Uses an integration example to explain the process of implementing a sales process (inquiry, quotation, ordering, and billing). Presentation Across Releases Provides an overview of all procurement processes, along with a list of the transactions in the SAP system.

## **SAP ABAP Advanced Cookbook**

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.

### **IBM Software for SAP Solutions**

- 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 samples

Next 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

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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 Features** Keep 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 Examples** Learn about new possibilities in ABAP by exploring example scenarios related to the fictional development project discussed throughout the book.

**Brand New Content** Explore completely new content about ABAP syntax enhancements, Web Dynpro, XML processing, SAP BusinessObjects integration, and more.

**ABAP Troubleshooting and Web Services** Find expanded and updated information about ABAP troubleshooting and Web Services.

**CD Content** Benefit 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

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