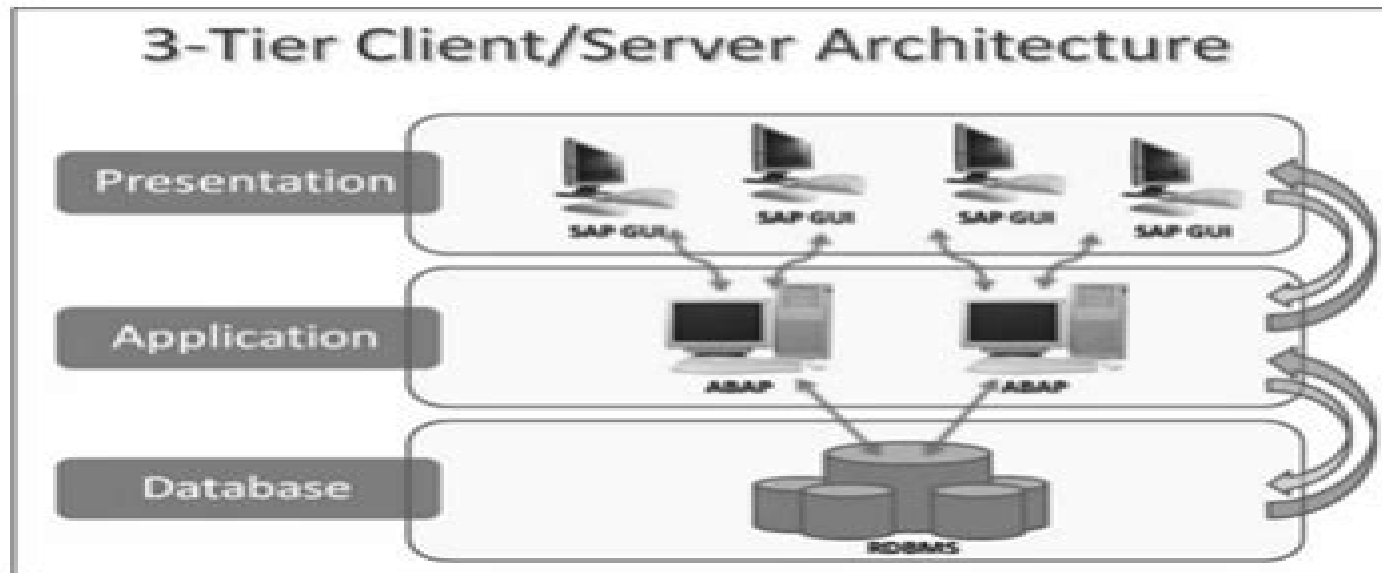


SAP ABAP - Quick Guide

SAP ABAP - Overview

ABAP stands for *Advanced Business Application Programming*, a 4GL (4th generation) language. Currently it is positioned, along with Java, as the main language for SAP application server programming.

Let's start with the high level architecture of SAP system. The 3-tier Client/Server architecture of a typical SAP system is depicted as follows.



The **Presentation layer** consists of any input device that can be used to control SAP system. This could be a web browser, a mobile device and so on. All the central processing takes place in **Application server**. The Application server is not just one system in itself, but it can be multiple instances of the processing system. The server communicates with the **Database layer** that is usually kept on a separate server, mainly for performance reasons and also for security.

Sap Abap Guide

Kathi Kones



Sap Abap Guide:

Practical Guide to SAP ABAP Part 1: Conceptual Design, Development, Debugging Thomas Stutenbäumer, 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

Practical Guide to SAP ABAP Part 2: Performance, Enhancements, Transports Thomas Stutenbäumer, 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

First Steps in Abap Boris Rubarth, 2013-09-17 A lot of SAP professionals start their careers as programmers and focus on turning functional specifications into technical specifications and writing code First Steps in SAP ABAP Advanced Business Application Programming is the resource that every beginner needs to have Familiarize yourself with general programming principles and Step by Step instructions for beginners Comprehensive descriptions and code examples A guide to create your first ABAP application Tutorials that provide answers to the most commonly asked programming questions Get a head start on SAP ABAP This book provides you with the tools you need to get started with a job as an SAP ABAP programmer

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SAP ABAP Objects Rehan Zaidi,2019 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

Practical Guide to SAP ABAP Thomas Stutenbumer,2016-03-08 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

Learn ABAP in 1 Day Krishna Rungta,2017-06-28 You do not require much effort to be proficient in SAP ABAP language if you have access to right learning resource With this book you can begin with your first SAP ABAP program in minutes The book makes ABAP program as simple as reading the specification doc analyze the requirements and start coding This book will give you a quick tour on basic concepts like an internal table structures field symbols data dictionary and so on Whether

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SAP List Viewer (ALV) - A Practical Guide for ABAP Developers Kathi Kones,2016-03-16

The Essential SAP Career Guide - Hitting the Ground Running, SAP is the world's leading enterprise applications provider with software solutions for companies of all sizes and industries Nearly 80% of Fortune 500 companies rely on SAP to run their inventory management financials human resources purchasing and sales business processes There are numerous job opportunities for all experience levels and the right approach can fast track your career This book is written for students and professionals aspiring to start a career with SAP as a consultant or users This second edition includes interviews with leading SAP professionals with diverse career paths This book covers key SAP career topics including Fundamentals of an SAP job search Interviews with leading SAP professionals in diverse career paths Tips for choosing the right SAP module for you Important SAP skills tools

SAP Jameson Garner,2020-10-11 SAP ABAP for Absolute Beginners The Ultimate Guide for Beginners SAP ABAP is a high level

language that is primarily used to develop enterprise application for large business and financial institution on SAP platform This tutorial is designed for those who want to learn the basics of SAP ABAP and advance in the field of software development

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

First Steps in ABAP Dr. Boris Rubarth, A lot of SAP professionals start their careers as programmers and focus on turning functional specifications into technical specifications and writing code First Steps in SAP ABAP Advanced Business Application Programming is the resource that every beginner needs to have You will learn how to write your own ABAP code step by step and progressively build your own ABAP application Step by Step instructions for beginners Comprehensive descriptions and code examples A guide to create your first ABAP application Tutorials that provide answers to the most commonly asked programming questions Get a head start on SAP ABAP This book provides you with the tools you need to get started with a job as an SAP ABAP programmer

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First Steps in SAP ABAP - 2nd Edition Dr.Boris Rubarth,2023-03-25 If you re looking to master SAP ABAP Advanced Business Application Programming this book is your perfect starting point Written in a clear and concise style this guide takes you through the basics of SAP ABAP programming helping you build a strong foundation Many SAP professionals start their careers as programmers and focus on turning functional specifications into technical specifications and writing code Learn how to write your own ABAP code step by step and progressively build your own ABAP application This updated 2nd edition provides you with the tools you need to get started with a job as an SAP ABAP programmer including new information on ABAP Development Tools ADT Step by step instructions for beginners Comprehensive descriptions and code examples A guide to creating your first ABAP application Tutorials that provide answers to the most commonly asked programming questions

JavaScript Essentials for SAP ABAP Developers Rehan Zaidi,2017-06-20 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

Introduction to SAP S/4HANA Prof. Dr. Bernd Scheuermann,Prof. Dr. Christian Drumm,Stefan Weidner, This easy to understand introduction to SAP S 4HANA guides you through the central processes in sales purchasing and

procurement finance production and warehouse management using the model company Global Bike Familiarize yourself with the basics of business administration the relevant organizational data master data and transactional data as well as a selection of core business processes in SAP Using practical examples and tutorials you will soon become an SAP S 4HANA professional Tutorials and exercises for beginners advanced users and experts make it easy for you to practice your new knowledge The prerequisite for this book is access to an SAP S 4HANA client with Global Bike version 4 1 Business fundamentals and processes in the SAP system Sales purchasing and procurement production finance and warehouse management Tutorials at different qualification levels exercises and recap of case studies Includes extensive download material for students lecturers and professors

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SAP ERP Financials User's Guide Heinz Forsthuber, Jörg Siebert, 2010 This book focuses on the practical day to day requirements of working with SAP ERP Financials SAP FI It guides you through the various Financial Accounting functions step by step documents account reports special postings automatic procedures accounts receivable accounting accounts payable accounting general ledger accounting closing operations and asset accounting Numerous tips and tricks designed to help maximize your daily work are included throughout For all users of all SAP releases from SAP R 3 4 6 to SAP ERP 6 0 1 Comprehensive coverage of SAP FI Learn how to make the best use of SAP FI in your daily work with comprehensive coverage of SAP General Ledger and more 2 Tips and tricks for daily work Maximize your time with numerous tips and tricks designed to help you get the most out of the most common tasks features and programs 3 Step by step walkthroughs Master even the most complex functions in SAP FI using step by step walkthroughs enhanced with screenshots and sample scenarios 4 Up to date for SAP ERP 6 0 Understand the new features in SAP FI and SAP Financial

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SAP ABAP List Viewer (ALV) - A Practical Guide for ABAP Developers Kathi Kones, *SAP on DB2 9 for z/OS: Implementing Application Servers on Linux for System z* Lydia Parziale, Karen Bogart, Gerard Ceruti, Anbu Govindasamy, Sabine Jaeschke, Jörg Maier, Jochen Röhrig, Jon von Wolfersdorf, IBM Redbooks, 2009-04-28 The power of the IBM System z combined with the flexibility of Linux on System z provides the ideal platform on which to implement SAP application servers System z provides the benefits of continuous availability high performance scalability and ease of management these qualities support and complement mission critical SAP business applications This IBM Redbooks publication focuses on the implementation of SAP application servers on Linux on System z to leverage the synergy of this combination of products It provides detailed information to guide you through the planning process including resource sharing considerations hardware and software requirements support and maintenance This book takes you through the steps to prepare the system environment describing system and network configurations and demonstrates the procedures for installing and customizing your system It describes in detail how to install SAP application servers in z VM Linux images including the installation of SAP and Java and hipersockets Finally it provides guidance for performance tuning and introduces some useful monitoring tools

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