

SAP: ABAP Manual Básico (1.-INTRODUCCIÓN)

INTRODUCCIÓN

1.1. TRANSACCIONES PRINCIPALES:

El **Abap/4** es el lenguaje de programación de **SAP R/3**. Se llega al editor por menú con: **Herramientas – Workbench Abap 4**. Con esto se llega a las transacciones principales del conjunto de herramientas ("workbench") del **Abap/4**:

- **Object Browser:** Se utiliza para localizar y ver los objetos creados por el usuario, datos, programas, ... Se ven en forma arbórea. Permite editar los objetos, visualizarlos, crearlos, ejecutarlos, moverlos, buscarlos, ... Hay que activar todos los objetos creados antes de usarlos.
- **Diccionario de Datos (DD-):** Sirve para crear los tipos y objetos de datos de SAP, estructuras, bases de datos, ... cada uno identificado con su nombre. Con la transacción **SE11** se visualizan los objetos de Diccionario de Datos. Para entrar por menú: **Herramientas – Workbench Abap 4 – Dictionary (F5)**, o bien la transacción **SE11**.
- **Editor Abap/4:**
- Para codificar los programas. Éstos se pueden visualizar de distintas formas (se eligen en el menú de **Opciones**). Conviene que el nombre de los objetos nuevos que se creen empiece por **Y** o por **Z**, para que así una nueva versión de **SAP** los respete y no sean machacados.
- Para modificar un programa conservando el original, haciendo una copia del mismo. Los programas fuente pueden bajarse a fichero de texto y luego recuperarlos con **Utilidades – Upload / Download**. Con **CTRL+Y** se puede marcar un rectángulo de la pantalla, y copiarlo.
- Todo objeto debe tener asignada una **clase de desarrollo** (son agrupaciones de objetos), para poder luego transportarlo a la máquina de producción (con la que trabaja el usuario), desde la máquina de desarrollo (la del programador).
- Al crear objetos no locales también hay que "guardarlos" en una **orden de transporte**, donde se graban. Las órdenes se pueden crear, liberar, bloquear, ... Los objetos locales (de la clase local **STMP**) **NO** se pueden transportar.
- Jerarquía: Los objetos pertenecen a una **orden de corrección o tarea**, y esta a su vez a una orden de transporte.
- Se pueden crear (y borrar) nuevos **modos** de pantalla (hasta un máximo de 6 simultáneos. Los modos son nuevas ventanas de Windows), con la opción de menú **Sistema – crear modo**.
- Para crear nuevas líneas en el editor hay que crearlas **partiéndolas** (con el botón Partir o **F7**), en donde se desea insertar; o bien poniendo **In** como nº de línea, con n el nº líneas a insertar.
- Desde una palabra de un programa, desde el editor de **Abap/4**, se puede navegar a cualquier otro sitio haciendo doble clic.
- **Menú Painter:** Sirve para diseñar **menús**, con sus teclas de función, botones, iconos, y funciones estándar (save, exit, back, cancel, print, find, ...).
- **Biblioteca de funciones:** Para testar **funciones**, editarlas, ... Las funciones tienen código fuente **Abap**, parámetros de entrada, parámetros de salida (que pueden ser tablas también). Ejemplos de funciones: cuadros de diálogo ("**popups**"), **rh_get_date_dayname** (devuelve el día de la semana de una fecha dada), ...

Sap Abap Manual

Kathi Kones



Sap Abap Manual:

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

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

Common SAP R/3 Functions Manual William Lawlor, 2012-12-06 R 3 is a business system that has gained global prominence However the SAP R 3 has 237 000 function modules Quite often programmers are unaware that a module exists which can be of help in their programs This convenient resource is a collection of the most common ABAP modules demonstrated within simple programs These programs for easily searchable examples can be accessed from <http://extras.springer.com> 978 1 85233 775 9 The modules in this book are organised for quick reference This concise reference contains A full explanation of the layout of reference entries a brief introduction to SAP coverage of conversion and date and time modules file and directory modules list long texts and number modules useful integration modules for MSOffice and pop up dialog box management This book organises over 300 modules many of which are undocumented in text and arranges them for quick and easy reference and explains when and where to use the most common SAP R 3 ABAP function modules

[Sap Certified Development Associate Certification Prep Guide : 350 Questions & Answers](#) CloudRoar Consulting Services, 2025-08-15 Prepare for the SAP Certified Development Associate exam with 350 questions and answers covering ABAP programming

module development integration reporting testing and best practices Each question includes practical examples and explanations to ensure exam readiness Ideal for SAP developers SAP Certification Development Associate ABAP Module Development Integration Reporting Testing Best Practices Exam Preparation Tech Certifications IT Certifications Career Growth Professional Development SAP Skills Developer Skills *Sap Certified Technology Associate - System Administration Oracle Db Certification Prep Guide : 350 Questions & Answers* CloudRoar Consulting Services, 2025-08-15 Prepare for the SAP System Administration Oracle DB exam with 350 questions and answers covering database administration SAP integration monitoring security backup recovery and best practices Each question includes practical examples and detailed explanations to ensure exam readiness Ideal for SAP administrators and DB specialists SAP Oracle DB Certified Technology Associate System Administration Database Administration Monitoring Security Backup Recovery Best Practices Exam Preparation IT Certifications Career Growth Professional Development SAP Skills DB Skills **The SAP HANA Deployment Guide** Bert Vanstechelman, 2017 This book provides system architects technical consultants and IT management the tools to design a system architectures to deploy SAP applications on SAP HANA Explore production and non production systems deployment options backup and recovery data replication high availability and virtualization in detail Dive into on premise deployment options and data provisioning scenarios Walk through scale up and scale out options and data partitioning considerations Review the advantages and disadvantages of storage and system replication options and when to use each Clarify how to leverage HANA for single node and distributed systems Dive into a discussion on software and hardware virtualization Compare the options available and guide your decision using flowcharts your organization can leverage to choose the proper technology for your environment and specific needs This book enables readers to carefully evaluate and implement a well considered SAP HANA scenario SAP HANA sizing capacity planning guidelines and data tiering Deployment options and data provisioning scenarios Backup and recovery options and procedures Software and hardware virtualization in SAP HANA Beginner`s Guide to SAP Security and Authorizations Tracy Juran, 2016-04-14 SAP has a wide range of built in functionality to meet various security requirements including network protection data protection and SAP authorizations This book will focus on the application of SAP authorizations and how user access can be limited by transaction codes organizational levels field values etc Explore the basic architecture of SAP Security and Authorizations including user master records roles profiles authorization object classes authorization objects and authorization fields Dive into how to create user profiles and assign roles Get tips on leveraging the profile generator transaction PFCG Obtain valuable tools and tables for identifying user master records and role and authorization information By using practical examples tips and screenshots the author brings readers new to SAP Security and Authorizations up to speed Basic architecture of SAP Security and Authorizations GRC Access Control introduction User profile creation and role assignments Common security and authorization pain point troubleshooting 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 user. 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 S/4HANA Commercial Project Management: A Complete Guide to Configuration and Implementation PAVAN KANCHI, DR BRAJESH KUMAR UMRAO, PREFACE The landscape of project management within the enterprise has evolved dramatically in recent years, driven by increasing demands for agility, transparency, and real-time decision making. SAP S/4HANA Commercial Project Management responds to these challenges by providing a unified, cloud-ready solution designed specifically for the unique needs of commercial, project-driven businesses. Whether you oversee capital-intensive construction initiatives, professional services engagements, or complex manufacturing roll-outs, this book will guide you through every step of configuring and implementing S/4HANA Commercial Project Management to deliver projects on time, on budget, and in full compliance with corporate standards. This guide is the culmination of years of hands-on experience gained from consulting engagements, client workshops, and internal SAP development cycles. It distills best practices, proven processes, and common pitfalls into a coherent framework that both new adopters and seasoned SAP professionals can apply immediately. You will find clear explanations of key concepts such as project definitions, work breakdown structures, billing milestones, and revenue recognition rules, and learn how they map to S/4HANA's data model and user interfaces. Each chapter balances theoretical underpinnings with practical configuration exercises so you can not only understand what needs to be done but also how to do it. Throughout this book, you will learn to establish the foundational master data, projects, WBS elements, networks, and activities, and integrate them seamlessly with finance, procurement, and human resources. Design and implement billing structures that reflect commercial contracts, performance obligations, and milestone plans, ensuring accurate invoice and timely revenue recognition. Configure time and expense management to capture actuals, compare planned versus actual performance, and drive proactive project control. Leverage embedded analytics and reporting tools to gain real-time visibility into project health, profitability, and resource utilization. Illustrative case studies demonstrate how organizations across industries have transformed their project management practices, achieving faster close cycles, improved cash flow, and tighter governance. Detailed configuration screenshots, decision trees, and validation checks guide you through system setup, while troubleshooting tips help you navigate common challenges during implementation. Whether you are an implementation consultant, IT architect, project controller, or business stakeholder, this book equips you with the knowledge and tools to

unlock the full potential of SAP S/4HANA Commercial Project Management By following the end to end implementation roadmap laid out here you will build a scalable and flexible foundation for managing complex revenue generating projects in the digital era We invite you to embark on this journey and discover how SAP S/4HANA Commercial Project Management can elevate your organization's project delivery to new heights Let us begin Authors **A Practical Guide to SAP Data**

Warehouse Cloud Klaus-Peter Sauer, 2022-07-28 Learn about the advantages of SAP Data Warehouse Cloud (DWC) from data management all the way through to visualization this book covers all the tools you need to set up a modern cloud based data warehouse landscape You can even set up hybrid architectures or convert on premise SAP BW systems to the SAP BW Bridge Operating departments will learn how they can use virtual work areas (spaces) to enrich central corporate data with local data without having to copy data or download files New findings can be easily shared with others For IT employees in particular there is an extensive introduction to modeling and the Data Builder With the editors and functionalities of this tool you get to know the technical implementation of data modeling in more detail In addition the Business Builder offers professional users a simplified analysis of data by reducing the time required for semantic modeling and enrichment of data After discussing important aspects of the configuration and security of SAP Data Warehouse Cloud the author looks at the developments that can be expected for this highly dynamic topic in the future Basic principles of SAP Data Warehouse Cloud Virtual interaction between operating departments and IT via spaces Separation of semantic modeling and the data layer SAP BW Bridge and Hybrid landscapes

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