

# SAP ECC vs. SAP S/4HANA



SAP S/4HANA is SAP's newer, next-generation ERP system built on the SAP HANA in-memory database, while SAP ECC (SAP ERP Central Component) is the older, traditional ERP system. SAP S/4HANA offers significant advantages over SAP ECC, including faster data processing, real-time analytics, and a simplified data model.



## SOLUTION BASICS

### SAP ECC Functionality

Will be maintained through 2027, with optional extended maintenance until 2030  
Can be run on different database options  
SAP GUI user interface is the main design.

### SAP S/4HANA Innovation

Maintenance promised through at least 2040  
Only available on the SAP HANA database  
The SAP Fiori interface improves user experience



## FINANCE

### SAP ECC Functionality

Financial data is managed in the FI and CO modules.  
Material Ledger activation is optional.  
Costing-based CO-PA is the default.  
Credit management is handled via FI-AR-CR.

### SAP S/4HANA Innovation

FI and CO data are automatically merged into a single table (ACDOCA).  
Material Ledger activation is mandatory.  
Account-based CO-PA is the default, but both can be run together.  
Credit management falls under financial supply chain management (FSCM).



## LOGISTICS

### SAP ECC Functionality

Customers and vendors are separate data objects.  
MRP processing is handled during batch jobs, often in non-peak hours.  
Logistics planning is handled via the SAP APO solution.  
Multiple tables are used for inventory management.  
Product availability is handled through available-to-promise (ATP).  
Foreign trade functions are handled through SD-FT.  
Warehousing is handled via the Warehouse Management (WM) module.  
Revenue is handled via the SD Revenue Recognition module.

### SAP S/4HANA Innovation

Customers and vendors are unified under the "business partner" master data object.  
MRP processing is handled in real time.  
SAP APO functionality has been replaced by SAP IBP and the SAP S/4HANA digital core.  
More than 25 tables were eliminated with the introduction of MATDOC.  
Product availability can be automated with advanced ATP.  
Foreign trade can be automated with SAP Global Trade Services, edition for SAP HANA.  
Warehousing is now handled via extended warehouse management (EWM) with SAP S/4HANA.  
Revenue is now handled via SAP S/4HANA Revenue Accounting and Reporting.

# Sap Ecc Security Implementation Guide

**Werner Hornberger, Jürgen Mathias  
Schneider**

## **Sap Ecc Security Implementation Guide:**

**SAP Security Configuration and Deployment** Joey Hirao,2008-11-18 Throughout the world high profile large organizations aerospace and defense automotive banking chemicals financial service providers healthcare high tech insurance oil and gas pharmaceuticals retail telecommunications and utilities and governments are using SAP software to process their most mission critical highly sensitive data With more than 100 000 installations SAP is the world s largest enterprise software company and the world s third largest independent software supplier overall Despite this widespread use there have been very few books written on SAP implementation and security despite a great deal of interest There are 220 000 members in an on line SAP community seeking information ideas and tools on the IT Toolbox Website alone Managing SAP user authentication and authorizations is becoming more complex than ever as there are more and more SAP products involved that have very different access issues It s a complex area that requires focused expertise This book is designed for these network and systems administrator who deal with the complexity of having to make judgmental decisions regarding enormously complicated and technical data in the SAP landscape as well as pay attention to new compliance rules and security regulations Most SAP users experience significant challenges when trying to manage and mitigate the risks in existing or new security solutions and usually end up facing repetitive expensive re work and perpetuated compliance challenges This book is designed to help them properly and efficiently manage these challenges on an ongoing basis It aims to remove the Black Box mystique that surrounds SAP security The most comprehensive coverage of the essentials of SAP security currently available risk and control management identity and access management data protection and privacy corporate governance legal and regulatory compliance This book contains information about SAP security that is not available anywhere else to help the reader avoid the gotchas that may leave them vulnerable during times of upgrade or other system changes Companion Web site provides custom SAP scripts which readers can download to install configure and troubleshoot SAP

**Configuring SAP ERP Financials and Controlling** Peter Jones,John Burger,2011-02-11 SAP is the world leader in Enterprise Resource Planning ERP software of the software s modules the FI Finance and CO Controlling are by far the most popular and are widely implemented This book has no competition it is the only book on the market on how to configure and implement SAP s FI and CO modules to maximize functionality and features hands on step by step instructions and real world examples that provide immediate and practical solutions Updated for SAP s ECC 6 0 the book covers FI enterprise structure general ledger substitutions and validations automatic account assignments accounts payable and receivable asset accounting accrual engine closing entries credit management lockbox CO enterprise structure profitability analysis CO PA and more [Sams Teach Yourself SAP in 24 Hours](#) George D. Anderson,2011-05-24 Thoroughly Updated and Expanded Includes New Coverage on Cloud Computing for SAP In just 24 sessions of one hour or less you ll master the latest updates on SAP and discover how to succeed with it in real business and technical environments Using this book s

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**SAP Project Management Pitfalls** Jayaraman Kalaimani, 2015-12-30. Master the SAP product ecosystem, the client environment and the feasibility of implementing critical business process with the required technical and functional configuration. SAP Project Management Pitfalls is the first book to provide you with real examples of the pitfalls that you can avoid, providing you with a road map to a successful implementation. Jay Kay, a SAP Program Manager for Capgemini, first takes a deep dive into common pitfalls in implementing SAP ERP projects in a complex IT landscape. You will learn about the potential causes of failures, study a selection of relevant project implementation case studies in the area and see a range of possible countermeasures. Jay Kay also provides background on each the significance of each implementation area, its relevance to a service company that implements SAP projects and the current state of research. Key highlights of the book: Tools and techniques for project planning and templates for allocating resources, Industry standards and innovations in SAP implementation projects in the form of standard solutions aimed at successful implementation.

Managing SAP system ECC upgrades EHP updates and project patches Learn effective ways to implement robust SAP release management practices change management BAU Wearing a practitioner's insight Jay Kay explores the relevance of each failed implementation scenario and how to support your company or clients to succeed in a SAP implementation There are many considerations when implementing SAP but as you will learn knowledge insight and effective tools to mitigate risks can take you to a successful implementation project

### **Securing SAP S/4HANA**

Bert Vanstechelman,Chris Walravens,Christophe Decamps,2018-10-26 Explore how to protect and defend your SAP S 4HANA applications Fiori Gateway and the SAP HANA database platform Learn how to create a consistent cross system authorization concept and translate the technical specifics for each system into a comprehensive and consistent security model Explore technical security aspects such as privileges and roles authentication and encryption and monitoring for S 4HANA Compare and contrast SAP S 4HANA applications to the SAP ERP security model and identify what has changed This book is up to date for SAP HANA 2 0 Dive into SAP S 4HANA authorizations and gain an understanding of the impact on the new front end and database security setup and why the different levels need to be consistent Get best practices for SAP Fiori and Gateway Find out why it is important to secure SAP HANA from an application layer point of view as well as a database point of view Take an in depth look at how to secure the SAP Application Server database operating system and the network infrastructure Effectively secure SAP S 4HANA Fiori and Gateway Privileges and roles authentication encryption and monitoring Mobile access and SSO considerations Cross system authorization concepts and implementation

*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

Global Perspectives and Emerging Issues in Comparative Law Joshua Aston,Aditya Tomer,Rupendra Singh,2025-08-29 This book is an essential resource for legal scholars practitioners and policymakers seeking a deeper understanding of how legal systems interact and evolve in an increasingly interconnected world It provides a comparative analysis of key legal domains exploring contemporary challenges such as digital governance climate justice intellectual property and human rights Featuring contributions from leading international experts the book offers a nuanced examination of how different

legal traditions respond to emerging global issues It delves into the interplay between common law and civil law jurisdictions the impact of international treaties and the role of technology in shaping legal norms Designed for both academic and professional audiences this book serves as a vital reference for those engaged in legal research cross border litigation or international policy making With real world case studies and interdisciplinary insights it is an indispensable guide to navigating the complexities of modern law *Beginner's Guide to SAP Security and Authorizations* Tracy Juran,2016

Resolving the ERP Security Headache Hatem Mahbouli,2011-04-01 Dozens of books have been written about the ERP security but they mainly focus on the technical aspects on where to click on the screen and on the actions to perform in the system What about the design What is the methodology to adopt in order to gather the needs from the customer How does one interact with other teams What does one begin with in order to build the ERP security What is the strategy for effective security testing All of these questions were unaddressed and it was a HEADACHE Therefore I believed it was urgent to write a book that shows what I had found out through my own long days of research and months of integration projects In this guide all issues are taken from the practical and methodological views for information systems in general The examples are based on SAP ERP Templates and examples are provided in order to help you in the information gathering the workshops the design the building and the testing of the security Some of the templates can also be found on my websites and links are provided in this book Hatem Mahbouli **Commerce Business Daily** ,1998-07 **SAP ECC 6.0** ,2009 **A Practical**

**Guide to Cybersecurity in SAP** Julie Hallett,2021-02-04 SAP environments are internally integrated with and through cloud and hybrid cloud solutions This interconnection both within and external to the firewall creates a level of vulnerability that if exploited could compromise a company's intellectual property employee and supplier information and trade secrets This book breaks down the application of cybersecurity as it applies to SAP into actionable items that can be communicated and implemented into existing security frameworks You will understand why cybersecurity applies to SAP how it integrates with cybersecurity initiatives within an organization and how to implement a security framework within SAP This expertly written guide provides a targeted cybersecurity education for SAP managers architects and security practitioners The author explores the technical aspects of implementing cybersecurity policies and procedures using existing tools and available SAP modules Readers will gain a solid understanding of what a cybersecurity program does what security frameworks are used for how to assess and understand risk and how to apply mitigating controls By using practical examples tips and screenshots this book covers Cyber risk in the SAP landscape How to harden security Cybersecurity risk management programs in SAP Risk mitigation for threats **Computerworld** ,1994-10-03 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld's award winning Web site Computerworld.com twice monthly publication focused conference series and custom research form the hub of the world's largest global IT media network *Security and Data Protection with SAP Systems* Werner Hornberger,Jürgen Mathias

Schneider,2002 This official SAP book offers a complete overview of SAP security functions and their place in a company wide security policy **SAP System Security Guide** Joe Markgraf,2017 **The British National Bibliography** Arthur James Wells,1968 Consultants and Consulting Organizations Directory ,2005 *Building a Security Program with SAP* Mark S. Ciminello,Yassar Albarakat,Holden Canet,Julian Lasher,Lauren Yang,2023-12-26 Tailor fit a security program for your business requirements whether your SAP system runs on premise or in the cloud Walk through each aspect of enterprise security from data protection to identity management Evaluate key SAP security tools including SAP governance risk and compliance GRC solutions SAP Access Control SAP Privacy Governance and more With expert advice best practices and industry guidance this book is your guide to designing and implementing a long term security strategy Highlights include 1 Strategy and planning 2 Legal and regulatory considerations 3 Data protection and privacy 4 Physical security and people protection 5 Enterprise risk and compliance 6 Identity and access governance 7 Cybersecurity logging and monitoring 8 Application security 9 Integrations and API management 10 Security analytics **A Practical Guide to Cybersecurity Governance for SAP** Juliet Hallett,Sarah Hallett-Reeves,2023-11-24 There is a lot of misunderstanding about how to apply cybersecurity principles to SAP software Management expects that the SAP security team is prepared to implement a full cybersecurity project to integrate SAP software into a new or existing company cybersecurity program It s not that simple This book provides a practical entry point to cybersecurity governance that is easy for an SAP team to understand and use It breaks the complex subject of SAP cybersecurity governance down into simplified language accelerating your efforts by drawing direct correlation to the work already done for financial audit compliance Build a practical framework for creating a cyber risk ruleset in SAP GRC 12 0 including SOX CMMC and NIST controls Learn how to plan a project to implement a cyber framework for your SAP landscape Explore controls and how to create control statements plan of action and milestone POA M statements for remediating deficiencies and how to document controls that are not applicable The best controls in the world will not lead to a successful audit without the evidence to back them up Learn about evidence management best practices including evidence requirements how reviews should be conducted who should sign off on review evidence and how this evidence should be retained Introduction to cybersecurity framework compliance for SAP software SAP centric deep dive into controls How to create a cyber risk ruleset in SAP GRC Implementing a cyber framework for your SAP landscape

SAP HANA Security Jonathan Haun,2017

## Decoding **Sap Ecc Security Implementation Guide**: Revealing the Captivating Potential of Verbal Expression

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