

Make to Order for OEM: Scenario Security Guide



Release 2005



Copyright

© Copyright 2005 SAP AG. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

Microsoft, Windows, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

IBM, DB2, DB2 Universal Database, OS/2, Parallel Sysplex, MVS/ESA, AIX, S/390, AS/400, OS/390, OS/400, iSeries, pSeries, xSeries, zSeries, z/OS, AFP, Intelligent Miner, WebSphere, Netfinity, Tivoli, and Informix are trademarks or registered trademarks of IBM Corporation in the United States and/or other countries.

Oracle is a registered trademark of Oracle Corporation.

UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

Java is a registered trademark of Sun Microsystems, Inc.






JavaScript is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by Netscape.

MaxDB is a trademark of MySQL AB, Sweden.

SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

Icons in Body Text

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

Additional icons are used in SAP Library documentation to help you identify different types of information at a glance. For more information, see *Help on Help* → *General Information Classes and Information Classes for Business Information Warehouse* on the first page of any version of *SAP Library*.

Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example text	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

Introduction	5
Technical System Landscape	7
User Administration and Authentication.....	7
User Management.....	8
User Data Synchronization.....	8
Integration into Single Sign-On Environments.....	9
Authorizations	9
Network and Communication Security.....	9
Communication Channel Security.....	9
Network Security	10
Communication Destinations.....	10
Data Storage Security.....	11
Appendix	11

Introduction



This guide does not replace the daily operations handbook that we recommend customers create for their specific productive operations.

About this Guide

This scenario security guide provides security-relevant information for the *Make to Order for OEM* business scenario in SAP SCM.

The scenario is based on the following SAP application components:

- SAP SCM from Release 5.0
- SAP ECC 6.0 with Business Function Set *Discrete Industries and Mill Products*



The SAP SCM Component Security Guide is an inherent part of this security guide. Many security relevant details are described only in the SAP SCM Component Security Guide.

In many cases, the required information has already been provided in other security guides and in configuration and installation guides. In these cases, the guide provides a reference to the relevant units.

The following table provides an overview of all relevant security guides for this scenario.

All security guides are available at: <http://service.sap.com/securityguide>.

Related Security Guides

Product	See
SAP SCM 5.0	SAP SCM Component Security Guide
SAP ECC 6.0	SAP NetWeaver Security Guide mySAP ERP Security Guide
Operating System and Database Platforms	Operating System and Database Platform Security Guides In the SAP NetWeaver Security Guide, choose <i>Operating System and Database Platform Security Guides</i> .

You can find all security guides and other security-relevant documentation for this business scenario in the following areas:

Security-Relevant Documentation

Guide/Documentation	Full Path to the Guide/Documentation
SAP NetWeaver Security Guide	service.sap.com/securityguide
SAP NetWeaver Documentation	http://help.sap.com → <i>SAP NetWeaver</i>
SAP SCM 5.0 Documentation	http://help.sap.com → <i>mySAP Business Suite</i> → <i>mySAP Supply Chain Management</i> → <i>SAP Supply Chain Management (SAP SCM)</i>

SAP SCM 5.0 Master Guide	http://service.sap.com/instguides → <i>mySAP Business Suite Solutions</i> → <i>mySAP SCM</i> → <i>Using SAP SCM 5.0 Server</i>
SAP SCM 5.0 Installation Guide	http://service.sap.com/instguides → <i>mySAP Business Suite Solutions</i> → <i>mySAP SCM</i> → <i>Using SAP SCM 5.0 Server</i>
SAP SCM Component Security Guide	http://service.sap.com/securityguide
Documentation for SAP Discrete Industries and Mill Products	http://help.sap.com → <i>mySAP ERP</i> → <i>SAP ERP Central Component</i> → <i>Release 6.0</i> → <i>English</i> → <i>SAP Discrete Industries and Mill Products</i>
mySAP ERP 2005 Master Guide	http://service.sap.com/instguides → <i>mySAP Business Suite Solutions</i> → <i>mySAP ERP</i> → <i>mySAP ERP 2005</i>
mySAP ERP 2005 Installation Guide	http://service.sap.com/instguides → <i>mySAP Business Suite Solutions</i> → <i>mySAP ERP</i> → <i>mySAP ERP 2005</i>
Master Guide SAP for Automotive Business Suite 2005	http://service.sap.com/instguides → <i>Industry Solutions</i> → <i>Industry Solution Master Guides</i> → <i>SAP for Automotive</i>
Make to Order for OEM – Configuration Guide	http://service.sap.com/ibc → <i>Industry Solutions</i> → <i>SAP for Automotive</i> → <i>Make to Order for OEM</i>
SAP WebAS Security Guide	http://service.sap.com/securityguide
Make to Order for EOM: Configuration Documentation	The configuration documentation is part of SAP Solution Manager, implementation content release ST-ICO 150 SP01 or higher.

Why is Security Necessary?

With the increasing use of distributed systems and the Internet for managing business data, the demands on security are also on the rise. When using a distributed system, you need to be sure that your data and processes support your business needs without allowing unauthorized access to critical information. User errors, negligence, or attempted manipulation on your system should not result in loss of information or processing time. These demands on security also apply to the *Make to Order for OEM* business scenario. To assist you in securing your business scenario, SAP provides this SAP SCM Scenario Security Guide.



We strongly recommend you also consult the SAP SCM Component Security Guide, the SAP WebAS Security Guide, and the SAP NetWeaver Security Guide.

Target Groups

- Technical consultants
- System administrators

This document is not included as part of the Installation Guides, Configuration Guides, Technical Operation Manuals, or Upgrade Guides. Such guides are only relevant for a certain phase of the software life cycle, whereby the Security Guides provide information that is relevant for all time frames.

Important SAP Notes



Regularly check the available SAP Notes about the security of the application.

Important SAP Notes

SAP Note Number	Title	Comment
700659	Security Guide: mySAP Supply Chain Management	Problems discovered after publication of security guide, and additional information concerning security issues.

For more information about this topic, see the *SAP SCM Component Security Guide* → *Introduction* → *Important SAP Notes*.

Technical System Landscape

The following table lists where you can find more information about the technical system landscape:

Topic	Guide/Tool	Quick Link to the SAP Service Marketplace (service.sap.com)
Technical System Landscape	Industry Master Guides	instguides
Technical System Landscape & Installation	SAP SCM Installation Guide(s) mySAP ERP Installation Guide(s)	instguides
Security		security

User Administration and Authentication

This section contains information about user administration and authentication in a SAP system landscape.

This involves, for example:

- Management of users
- Synchronization of user data

User Management

User Management Tools

For information about this topic, see the *SAP SCM Component Security Guide → User Management → User Management Tools*.

User

System	User	Delivered	Type	Default Password	Description
SAP ERP	RFCUSER User for the RFC destination SAP ERP to SAP SCM	No	Communication User See SAP Note 727839.	<Password>	<i>Make to Order for OEM – Configuration Guide → System Connections → Settings in the APO System</i>
SAP SCM	ALEREMOTE User for the RFC destination SAP SCM to SAP ERP	No	Communication User See SAP Note 727839.	<Password>	<i>Make to Order for OEM – Configuration Guide → System Connections → Settings in the DI System → Defining the RFC Destination</i>



For information about user types, see *SAP NetWeaver Security Guide → Security Guides for SAP NetWeaver According to Usage Types → Security Guide for Usage Type AS → SAP NetWeaver Application Server ABAP Security Guide → User Authentication → User Types*.

For information about SAP NetWeaver Standard Users, see *SAP NetWeaver Security Guide → Security Guides for SAP NetWeaver According to Usage Types → Security Guide for Usage Type AS → SAP NetWeaver Application Server ABAP Security Guide → User Authentication → Protecting Standard Users*.

For information about SAP NetWeaver password rules, see *SAP NetWeaver Security Guide → Security Guides for SAP NetWeaver According to Usage Types → Security Guide for Usage Type AS → SAP NetWeaver Application Server ABAP Security Guide → User Authentication → Authentication and Single Sign-On → Logon and Password Security in the SAP System → Password Rules*.

User Data Synchronization

For information about this topic, see the *SAP SCM Component Security Guide → User Administration and Authentication → User Data Synchronization*.

Integration into Single Sign-On Environments

For information about this topic, see the *SAP SCM Component Security Guide* → *Integration into Single Sign-On Environments*.

Authorizations

Defining User Parameters (SAP ERP)

In *SAP Easy Access*, choose *Logistics* → *Central Functions* → *Supply Chain Planning Interface* → *Core Interface Advanced Planner and Optimizer* → *Environment* → *Current Settings* → *Set User Parameters*.



For information about defining user parameters, see *Make to Order for OEM – Configuration Guide* → *System Connections* → *Settings in the DIMP System* → *Defining User Parameters*.

Further Authorizations

For information about this topic, see the *SAP SCM Component Security Guide* → *Authorizations*.

Network and Communication Security

This section contains information about network and communication security in an SAP system landscape.

This involves, for example:

- Communication channel security
- Network security
- Communication destinations

Communication Channel Security

For information about this topic, see the *SAP SCM Component Security Guide* → *Network and Communication Security* → *Communication Channel Security*.



You should activate Secure Network Communication (SNC) within all communication channels in the scenario to achieve a secure system landscape.



For more information about Communication Channel Security within the integration of SCM and an ERP system, see *SAP SCM Component Security Guide* → *Network and Communication Security* → *Communication Channel Security*.

Network Security

For information about this topic, see the *SAP SCM Component Security Guide → Network and Communication Security → Network Security*.

Communication Destinations



Users and authorizations for connection destinations can cause high security flaws if used carelessly.

You should follow the golden rules for connection users and authorizations:

- Choose user type *System*.
- Assign only the minimum required authorizations to the user.
- Choose a secure and secret password for the user.
- Store logon data for connection user only for users of type *System*.
- Choose trusted system functionality whenever possible, instead of storing logon data for connection user.

Connection Destinations

Destination	Delivered	Type	User, Authorizations	Description
<SAP SCM system name>CLNT<Client> SAP R/3 -> SAP SCM	No	RFC – R/3	ALEREMOTE Use the profile generator (Transaction PFCG) to define an appropriate profile. See SAP note 727839.	<i>Make to Order for OEM – Configuration Guide → System Connections → Settings in the DIMP System → Defining the RFC Destination and Make to Order for OEM – Configuration Guide → System Connections → Settings in the DIMP System → Defining the Target System</i>
<SAP R/3 system name>CLNT<Client> SAP SCM -> SAP R/3	No	RFC – R/3	RFCUSER Use the profile generator (Transaction PFCG) to define an appropriate profile. See SAP note 727839.	<i>Make to Order for OEM – Configuration Guide → System Connections → Settings in the APO System and Make to Order for</i>

				<p><i>OEM – Configuration Guide → System Connections → Settings in the APO System → Assigning the Logical System and Queue Type and Make to Order for OEM – Configuration Guide → System Connections → Settings in the APO System → Maintaining Distribution Definitions</i></p>
--	--	--	--	--

Data Storage Security

For information about this topic, see the *SAP SCM Component Security Guide → Data Storage Security*.

Appendix

Related Security Guides

You can find more information about the security of SAP applications on the SAP Service Marketplace, Quick Link **security**. Security guides are available under the Quick Link **securityguide**.

Related Information

For more information about topics related to security, see the following links:

Quick Links to Related Information

Content	Quick Link on the SAP Service Marketplace (service.sap.com)
Master Guides, Installation Guides, Upgrade Guides	instguides
Related SAP Notes	notes
Released platforms	platforms
Network security	network securityguide
<i>SAP Solution Manager</i>	solutionmanager