

Make to Order for OEM: Scenario Security Guide



ADDON.SCM_DIMPSECGUIDE

Release SAP SCM 4.00



Copyright

© Copyright 2004 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.

Make to Order for OEM: Scenario Security Guide	5
Introduction	5
Technical System Landscape	7
User Administration and Authentication.....	8
User Management.....	8
User Data Synchronization.....	9
Integration into Single Sign-On Environments.....	9
Authorizations	9
Network and Communication Security.....	9
Communication Channel Security.....	10
Network Security	10
Communication Destinations.....	10
Data Storage Security.....	11
Appendix	12



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 4.0
- SAP DIMP from Release 4.71 with Plug-In 2004.1



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
Solutions and Components	
Component SAP SCM 4.0	SAP SCM Component Security Guide
Component SAP DIMP 4.71	SAP WebAs Security Guide
Operating System and Database Platforms	
Operating System and Database Platforms	Operating System and Database Platform Security Guides
Application Platform	
SAP Web Application Server	<ul style="list-style-type: none"> • SAP WebAS Security Guide for ABAP Technology • SAP WebAS Security Guide for J2EE Technology • Internet Transaction Server Security • Security Aspects in Development
SAP Content Server	SAP Content Server Security Guide
SAP Knowledge Warehouse	SAP Knowledge Warehouse Security Guide
People Integration	
SAP Enterprise Portal	SAP Enterprise Portal Security Guide
SAP Mobile Infrastructure	SAP Mobile Infrastructure Security Guide

Information Integration	
SAP Business Information Warehouse Security Guide	SAP Business Information Warehouse Security Guide
SAP Knowledge Management	<ul style="list-style-type: none"> • SAP Knowledge Management Security Guide • SAP Content Management Security Guide • SAP TRex Security Guide
Process Integration	
SAP Exchange Infrastructure	SAP Exchange Infrastructure Security Guide
Solution Life-Cycle Management	
System Management	Security Aspects with System Management



The above-mentioned security guides can be found in the SAP Help Portal at <http://help.sap.com> → SAP NetWeaver → Release '04 → English → SAP NetWeaver → Security → SAP NetWeaver Security Guide.

Although the *Make to Order for OEM* business scenario is based on SAP WebAS 620, you can consult the SAP NetWeaver documentation about general questions on security.

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	http://help.sap.com → SAP NetWeaver → Release '04 → English → SAP NetWeaver → Security → SAP NetWeaver Security Guide
SAP NetWeaver Documentation	http://help.sap.com → SAP NetWeaver → Release '04 → English → SAP NetWeaver
SAP SCM 4.0 Documentation	http://help.sap.com → mySAP Business Suite → mySAP Supply Chain Management → SAP Supply Chain Management (SAP SCM)
SAP SCM 4.0 Installation Guide	http://service.sap.com/instguides → mySAP Business Suite Solutions → mySAP SCM → Using SAP SCM
SAP SCM 4.0 Component Security Guide	http://service.sap.com/securityguide → SAP SCM Component Security Guide
Make to Order for OEM – Configuration Guide	http://service.sap.com/ibc → Industry Solutions → SAP for Automotive → Make to Order for OEM
SAP DIMP 4.71 Master Guide	http://service.sap.com/ibc → Industry Solutions → SAP for Automotive → Make to Order for OEM

SAP R/3 Enterprise 47X110 Installation	http://service.sap.com/instguides → <i>SAP Components</i> → <i>SAP R/3 Enterprise</i> → <i>SAP R/3 Enterprise Core 4.70 / Ext. Set 1.10</i>
SAP DIMP 4.71 Installation	http://service.sap.com/notes → <i>Note Number 596435</i>
SAP WebAS Security Guide	http://service.sap.com/securityguide

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 the 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.
596435	Additions to Add-On installation DIMP 4.71	

For more information about this topic, see the *SAP SCM Component Security Guide* → *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	SAP for Discrete Industries and SAP for Mill Products Master Guide	ibc
Technical System Landscape & Installation	SAP SCM Installation Guide(s) SAP R/3 Enterprise Installation Guide(s)	instguides
	DIMP Installation Guide	notes → Note Number 596435
Technical configuration, High availability	Technical Infrastructure Guide	ti
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 R/3	RFCUSER User for the RFC destination SAP R/3 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 R/3	No	Communication User See SAP Note 727839.	<Password>	<i>Make to Order for OEM – Configuration Guide → System Connections → Settings in the DI</i>

					System → Defining the RFC Destination
--	--	--	--	--	---



For information about user types, see *SAP NetWeaver Security Guide → User Administration and Authentication → User Management → User Types*.

For information about SAP NetWeaver Standard Users, see *SAP NetWeaver Security Guide → SAP WebAS Security Guide for ABAP Technology → User Authentication → Protecting Standard Users*.

For information about SAP NetWeaver password rules, see the *SAP NetWeaver* documentation, under *Security → Identity Management → Users and Roles (BC-SEC-USR) → User Maintenance → 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 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 R/3)

In *SAP Easy Access*, choose *Logistics → Central Functions → Supply Chain Planning Interface → Core Interface Advanced Planner and Optimizer → Settings → 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* → *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 SAP SCM and SAP R/3, see *SAP SCM Component Security Guide* → *Communication Channel Security* → *SAP APO – SAP R/3*.

Network Security

For information about this topic, see the *SAP SCM Component Security Guide* → *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	<i>Make to Order for OEM – Configuration Guide</i> → <i>System Connections</i> → <i>Settings in the</i>

			profile. See SAP note 727839.	<i>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 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>



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 (<code>service.sap.com</code>)
Master Guides, Installation Guides, Upgrade Guides, Solution Management Guides	<code>instguides</code> <code>ibc</code>
Related SAP Notes	<code>notes</code>
Released platforms	<code>platforms</code>
Network security	<code>network</code> <code>securityguide</code>
Technical infrastructure	<code>ti</code>
<i>SAP Solution Manager</i>	<code>solutionmanager</code>