

# Supplier Managed Inventory: Security Guide



ADDON.SCMSECGUIDE\_IBU

**Release 400**



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## 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.
<b>Example text</b>	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.
<b>Example text</b>	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.

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Supplier Managed Inventory: 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.....	10
Communication Channel Security.....	10
Network Security .....	10
Communication Destinations.....	11
Data Storage Security .....	17
Other Security-Relevant Information.....	17
Appendix .....	17



## Supplier Managed Inventory: Security Guide



### Introduction



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

### About this Guide

This scenario security guide provides security-relevant information about the business scenario *Supplier Managed Inventory (SMI)* running on SAP SCM 4.0. The business scenario runs on the following SAP application components:

- SAP SCM 4.0
- SAP Exchange Infrastructure (XI) 2.0
- SAP XI 2.0 content for SAP SCM 4.0 and SAP SCM Basis 4.0
- SAP R/3 4.6C or higher
- SAP R/3 Plug-In 2003.1
- SAP Internet Graphics Server (IGS) 6.30

The following scenario security guide only details all deviations from, restrictions of, or extensions to the security guides for the underlying components. In many cases the required security information for these business scenarios has already been provided by other security guides, configuration or installation guides. In these cases this scenario security guide only provides references to the respective guides.

#### Related Security Guides

Application	Guide	Most relevant sections or specific restrictions
SAP SCM 4.0	SAP SCM 4.0 Component Security Guide	
SAP Exchange Infrastructure 2.0	SAP NetWeaver Security Guide	In the SAP NetWeaver Security Guide, choose <i>Security Guides for the SAP NetWeaver Products</i> → <i>SAP Security Guide XI</i> .
SAP R/3 4.6C, SAP R/3 Enterprise 4.7 Extension Set 100 and 200	SAP WebAS Security Guide SAP NetWeaver Security Guide	
Operating Systems and Database Platforms	SAP NetWeaver Security Guide	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 as follows:

Guide/Documentation	Full path to the guide
SAP NetWeaver Security Guide	<b>service.sap.com/securityguide</b> or <b>help.sap.com</b> → <i>SAP NetWeaver</i> → <i>Release '04</i> → <i>English</i>  To navigate to the security guide in the SAP NetWeaver documentation, choose <i>SAP NetWeaver</i> → <i>Security</i> → <i>SAP NetWeaver Security Guide</i> .
SAP NetWeaver documentation	<b>help.sap.com</b> → <i>SAP NetWeaver</i> → <i>Release '04</i>
SAP SCM 4.0 Master Guide	<b>service.sap.com/instguides</b> → <i>mySAP Business Suite Solutions</i> → <i>mySAP SCM</i> → <i>Using SAP SCM 4.0 Server</i>
SAP SCM 4.0 documentation	<b>help.sap.com</b> → <i>mySAP Business Suite</i> → <i>SAP Supply Chain Management</i>
SAP SCM 4.0 Installation Guide	<b>service.sap.com/instguides</b> → <i>mySAP Business Suite Solutions</i> → <i>mySAP SCM</i> → <i>Using SAP SCM 4.0 Server</i>
SAP SCM 4.0 Component Security Guide	<b>service.sap.com/securityguide</b>
Supplier Managed Inventory: Configuration Guide	<b>service.sap.com/ibc</b> → <i>Industry Solutions</i> → <i>SAP for Automotive</i> → <i>Supplier Managed Inventory</i>
SAP WebAS Security Guide	<b>service.sap.com/securityguide</b>
Installation Guide - SAP Exchange Infrastructure 2.0	<b>service.sap.com/instguides</b> → <i>SAP Components</i> → <i>SAP Exchange Infrastructure</i> → <i>Release 2.0 SR1</i>
SAP Exchange Infrastructure 2.0: Configuration Guide	<b>service.sap.com/instguides</b> → <i>SAP Components</i> → <i>SAP Exchange Infrastructure</i> → <i>Release 2.0 SR1</i>
SAP Exchange Infrastructure (XI) 2.0 Security Guide	<b>service.sap.com/securityguide</b>

## 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 *Supplier Managed Inventory* scenario. To assist you in securing your business scenario, we provide this SAP SCM 4.0 Scenario Security Guide.



We strongly recommend consulting the SAP SCM 4.0 Component Security Guide and the SAP NetWeaver Security Guide in addition.

## 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, whereas the Security Guides provide information that is relevant for all time frames.

## Important SAP Notes



Check regularly which SAP Notes are available about the security of the application.

### Important SAP Notes

SAP Note Number	Title	Comment
700659	Security Guide: mySAP Supply Chain Management	The note covers all problems discovered after the publication of the security guide and additional information about security issues.



## 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	<b>ibc</b>
Technical System Landscape & Installation	SAP SCM Installation Guide(s) SAP R/3 Enterprise Installation Guide(s)	<b>instguides</b>
	DIMP Installation Guide	<b>notes</b> → <i>Note Number 596435</i>
Technical configuration, High availability	Technical Infrastructure Guide	<b>ti</b>
Security		<b>security</b>



## 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 more information about user management tools, see *User Management* in the SAP SCM 4.0 Component Security Guide.

### Users

#### Users

System	Users	Delivered?	Type	Default password	Detailed description
SAP XI	Communication users for the connection between SAP ICH and SAP XI	No		To be entered	For more information, see the <i>Installation Guide - SAP Exchange Infrastructure 2.0</i> . Choose <i>Post-Installation Activities</i> → <i>General Activities</i> .
SAP ICH	Business partner users	No	Dialog user	To be entered	See <i>Supplier Managed Inventory: Configuration Guide</i> → <i>Business Customizing</i> → <i>Maintaining Master Data for SAP ICH: Overview</i> . Choose the following topics:  <i>Creating an SCM User (for the Customer)</i>  <i>Creating Business Partner of Type Person (for the</i>



					<i>Customer)</i> <i>Creating an SCM User (for the Supplier)</i> <i>Creating Business Partner of Type Person (for the Supplier)</i>
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For more information, see the following documentation:

- User Types  
See the *SAP NetWeaver Security Guide → User Administration and Authentication → User Management → User Types*.
- Standard users  
See the *SAP NetWeaver Security Guide → SAP Web AS Security Guide for ABAP Technology → User Authentication → Protecting Standard Users*.
- SAP NetWeaver password rules  
See the SAP NetWeaver documentation. Choose *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 more information about user data synchronization, see the SAP SCM 4.0 Component Security Guide → *User Data Synchronization*.



## Integration into Single Sign-On Environments

For more information, see the SAP SCM 4.0 Component Security Guide → *Integration into Single Sign-On Environments*.



## Authorizations

### Roles for SAP ICH

With SAP ICH, you get a number of predefined user roles. With these roles, you can assign the right authorizations and user menus to SAP ICH users. You can either use these roles as they are defined or you can adapt them to your company-specific needs. In addition, you can also use the authorization objects for these roles to create your own roles.

For more information, see the following documentation:

- For more information about predefined user roles within SAP ICH (role names and role descriptions), see *Supplier Managed Inventory: Configuration Guide → Appendix → Roles for SAP ICH*.

- For information about generating and assigning roles, see *Supplier Managed Inventory: Configuration Guide → Business Customizing → Maintaining Master Data for SAP ICH: Overview → Generating and Assigning Roles*.
- For information about creating user groups, see *Supplier Managed Inventory: Configuration Guide → Business Customizing → Maintaining Master Data for SAP ICH: Overview → Creating User Groups*.

## Roles for SAP Exchange Infrastructure

With SAP Exchange Infrastructure (SAP XI), you get a number of predefined user roles. There are user roles for SAP XI configuration and user roles for the necessary service users in SAP XI. For more information, see the following documentation:

- For more information about user roles for SAP XI configuration, see the *SAP Exchange Infrastructure (XI) 2.0 Configuration Guide → Preparation*.
- For more information about user roles for SAP XI service users, see the *SAP Exchange Infrastructure (XI) 2.0 Configuration Guide → Preparation*.

## Other Authorizations

For more information about other authorizations in SAP SCM, 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

To achieve a secure system landscape, activate Secure Network Communication (SNC) within all communication channels for the *Supplier Managed Inventory* scenario.

For more information about communication channel security within the integration SAP APO and SAP R/3, see the *SAP SCM 4.0 Component Security Guide → Communication Channel Security → SAP APO - SAP R/3*.

For more information about communication channel security in general, see the *SAP SCM 4.0 Component Security Guide → Communication Channel Security*.



## Network Security

For more information about network security, see the *SAP SCM 4.0 Component Security Guide → Network Security*.

For more information about the usage of firewalls within the *Supplier Managed Inventory* scenario, see the *SAP SCM 4.1 Master Guide → Technical System Landscape for Supplier Managed Inventory → Technical Infrastructure of Supplier Managed Inventory*.



## Communication Destinations



Users and authorizations for connection destinations can cause high security flaws in the case of careless use.

Follow these 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 only connection user logon data for users of type *System*.
- Choose *Trusted System* functionality whenever possible instead of storing connection user logon data.

### Connection Destinations

Destination	Delivered?	Type	User, authorizations	Description
SAP ICH → SAP XI <SAPSLDAP>	No	RFC - TCP/IP	-	For more information, see <i>Supplier Managed Inventory: Configuration Guide → System Connections</i> and <i>Installation Guide - SAP Exchange Infrastructure 2.0 SR1 → Post-Installation Activities → Activities on the Integration Server Host → Creating an RFC Destination → Integration Server to System Landscape Directory (SLD)</i> and <i>SAP Exchange Infrastructure (XI) 2.0: Configuration Guide → Connecting</i>

				<i>Business Systems with an Integration Engine to the Central Integration Server → Creating a Connection Between a Business System and the System Landscape Directory (SLD)</i>
SAP ICH → SAP XI	No	RFC - HTML	User role: SAP_XI_APPL_SERV_USER	For more information, see <i>Supplier Managed Inventory: Configuration Guide → System Connections</i>  and <i>Installation Guide - SAP Exchange Infrastructure 2.0 SR1 → Post-Installation Activities → Activities on the Integration Server Host → Creating an RFC Destination → Integration Server to System Landscape Directory (SLD)</i>  and <i>SAP Exchange Infrastructure (XI) 2.0: Configuration Guide → Connecting Business Systems with an Integration Engine to the Central Integration Server.</i>
SAP ICH → SAP XI <LCRSAPRFC>	No	RFC – TCP/IP	-	For more information, see <i>Supplier Managed Inventory: Configuration</i>

				<p><i>Guide → System Connections</i></p> <p>and</p> <p><i>Installation Guide - SAP Exchange Infrastructure 2.0 SR1 → Post-Installation Activities → Activities on the Integration Server Host → Creating an RFC Destination → Integration Server to System Landscape Directory (SLD)</i></p> <p>and</p> <p><i>SAP Exchange Infrastructure (XI) 2.0: Configuration Guide → Connecting Business Systems with an Integration Engine to the Central Integration Server.</i></p>
SAP R/3 → SAP XI	No	RFC – R/3	User role: SAP_XI_APPL_SERV_USER	<p>For more information, see <i>Supplier Managed Inventory: Configuration Guide → System Connections</i></p> <p>and</p> <p><i>SAP Exchange Infrastructure (XI) 2.0 Configuration Guide → Preparation</i></p> <p>and</p> <p><i>SAP Exchange Infrastructure (XI) 2.0 Configuration Guide → Integration of Business Systems Using the IDoc Adapter → Settings for the</i></p>

				Sender System (R/3)
SAP R/3 → SAP XI <LCRSAPRFC>	No	RFC – TCP/IP	-	For more information, see <i>Supplier Managed Inventory: Configuration Guide → System Connections</i> and <i>Installation Guide - SAP Exchange Infrastructure 2.0 SR1 → Post-Installation Activities → Activities on the Integration Server Host → Creating an RFC Destination → Integration Server to System Landscape Directory (SLD)</i> and <i>SAP Exchange Infrastructure (XI) 2.0: Configuration Guide → Connecting Business Systems with an Integration Engine to the Central Integration Server.</i>
SAP R/3 → SAP XI <SAPSLDAPI>	No	RFC – TCP/IP	-	For more information, see <i>Supplier Managed Inventory: Configuration Guide → System Connections</i> and <i>Installation Guide - SAP Exchange Infrastructure 2.0 SR1 → Post-Installation Activities → Activities on the</i>

				<p><i>Integration Server Host → Creating an RFC Destination → Integration Server to System Landscape Directory (SLD)</i></p> <p>and</p> <p><i>SAP Exchange Infrastructure (XI) 2.0: Configuration Guide → Connecting Business Systems with an Integration Engine to the Central Integration Server → Creating a Connection Between a Business System and the System Landscape Directory (SLD).</i></p>
SAP XI → SAP ICH	No	RFC - HTTP	-	<p>For more information, see <i>Supplier Managed Inventory: Configuration Guide → System Connections</i></p> <p>and</p> <p><i>SAP Exchange Infrastructure (XI) 2.0: Configuration Guide → Configuration of a Central Integration Server → Defining HTTP Destinations for Business Systems.</i></p>
SAP XI → SAP R/3	No	RFC-R/3	See references.	<p>For more information, see <i>Supplier Managed Inventory: Configuration Guide → System Connections</i></p>

				and <i>SAP Exchange Infrastructure (XI) 2.0 Configuration Guide</i> → <i>Integration of Business Systems Using the IDoc Adapter</i> → <i>Settings of the Integration Server System.</i>
SAP XI → SAP XI <LCRSAPRFC>	No	RFC – TCP/IP	-	For more information, see the <i>Installation Guide - SAP Exchange Infrastructure 2.0 SR1</i> → <i>Post-Installation Activities</i> → <i>Activities on the Integration Server Host</i> → <i>Creating an RFC Destination</i> → <i>Integration Server to System Landscape Directory (SLD)</i>
SAP XI → SAP XI <SAPSLDAPI>	No	RFC – TCP/IP	-	For more information see <i>Installation Guide - SAP Exchange Infrastructure 2.0 SR1</i> → <i>Post-Installation Activities</i> → <i>Activities on the Integration Server Host</i> → <i>Creating an RFC Destination</i> → <i>Integration Server to System Landscape Directory (SLD)</i>
SAP ICH - SAP R/3	No	RFC - R/3	Use the profile generator (transaction PFCG) to define an appropriate profile. For more information, see also SAP Notes 727839 and 447543.	This is an RFC connection that you could use for a business scenario without SAP XI.





## Data Storage Security

### General Data Storage Security for SAP SCM 4.1

For more information about data storage security, see the *SAP SCM 4.0 Component Security Guide* → *Data Storage Security*.



## Other Security-Relevant Information

### Maintaining Settings for BSP Activation

You maintain settings for the BSP activation in SAP ICH to ensure that the SAP ICH Web front end (a BSP application) is available for users. For more information about maintaining settings for the BSP activation, see *Supplier Managed Inventory: Configuration Guide* → *Business Customizing* → *Maintaining Settings for BSP Activation*.

### Maintaining Internet Browser Settings

For different functions, you must make sure that your Internet browser is maintained with the correct configuration. For more information about Internet browser settings, see *Supplier Managed Inventory: Configuration Guide* → *Business Customizing* → *Maintaining Internet Browser Settings*.



## 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 ( <a href="http://service.sap.com">service.sap.com</a> )
Master Guides, Installation Guides, Upgrade Guides, Solution Management Guides	<b>instguides</b> <b>ibc</b>
Related SAP Notes	<b>notes</b>
Released platforms	<b>platforms</b>
Network security	<b>network</b> <b>securityguide</b>
Technical infrastructure	<b>ti</b>
<i>SAP Solution Manager</i>	<b>solutionmanager</b>

