



Master Guide SAP Access Control™ 10.1

Target Audience

- Technology Consultants
- System Administrators

PUBLIC

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Document History



CAUTION

Before you start the implementation, make sure that you have the latest version of this document. You can find the latest version posted on the SAP Service Marketplace at: ► <http://service.sap.com/instguides> → *Analytics* → *Governance, Risk, and Compliance* → *Access Control* → *Release 10.1* ◀.

The following table provides an overview of the most important changes that were made in the latest versions:

Version	Date	Description
1.00	2013-06-04	Initial version
1.3	2013-11-01	Updates: <ul style="list-style-type: none"> ■ Added reference to SAP Fiori. to <i>Introduction</i> ■ SAP NetWeaver version changed from SP02 to SP04

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1 Getting Started

SAP Access Control is an enterprise software application that enables organizations to control access and prevent fraud across the enterprise, while minimizing the time and cost of compliance. The application streamlines compliance processes, including access risk analysis and remediation, business role management, access request management, emergency access maintenance, and periodic compliance certifications. It delivers immediate visibility of the current risk situation with real-time data.

1.1 About This Document

This Master Guide is the central starting point for the technical implementation of the application. You can find cross-scenario implementation information as well as scenario-specific information in this guide. You use the Master Guide for an overview of the application, its software units, and its scenarios from a technical perspective. The Master Guide is a planning tool that helps you to design your system landscape.

The Master Guide consists of the following main sections:

- **Getting Started**

This section contains information about using this document, reference documentation, and related information (SAP Notes) crucial to the installation.

- **Application Overview**

This section contains information about the technical system landscape, software components, and implementation steps.

- **Application Business Scenarios**

This section summarizes the main business scenarios for the application

- **Application Documentation**

This section lists all the pieces of documentation that support the application.

- **Reference: The Main SAP Documentation Types**

This section provides a general overview of the available SAP documentation.



NOTE

Current information about implementation of SAP Access Control and the latest guides are posted on SAP Help Portal at ► <http://help.sap.com/grc-ac> ◀.

Constraints

The Master Guide primarily discusses the overall technical implementation of the application rather than its subordinate components. Additional software dependencies may exist without being mentioned explicitly in this document.

1.2 Related Information

For more information about installation and planning, see the content in the following tables.

1.2.1 Additional Resources

Content	Location
Latest versions of the SAP Master, Installation, Migration, Operations, and Upgrade guides <ul style="list-style-type: none"> ■ The <i>Master Guide</i> is the starting point for implementation, providing scenario-specific descriptions of the preparation, execution, and follow-up of an implementation. ■ The <i>Installation Guide</i> describes the technical steps for installing the software. ■ The <i>Migration</i> and <i>Upgrade</i> guides discuss how to move from your current release of the software to a higher version. ■ The <i>Operations Guide</i> refers you to the tools and documentation that are necessary to carry out various tasks, such as monitoring, backup/restore, master data maintenance, transports, and tests. 	For the different SAP solutions for governance, risk, and compliance (GRC), see: http://help.sap.com/grc
SAP Help Portal	http://help.sap.com
Sizing, calculation of hardware requirements such as CPU, disk, and memory resources with the <i>Quick Sizer</i> tool	http://service.sap.com/quicksizer
Released platforms and technology related topics such as maintenance strategies and language support	http://service.sap.com/platforms To access the <i>Platform Availability Matrix</i> enter http://service.sap.com/pam .
Security Guides The security guides describe the settings for a medium security level and offer suggestions for raising security levels. A collective security guide is available for SAP NetWeaver.	http://service.sap.com/securityguide . Search under <i>Analytics</i> for the guides for SAP solutions for governance, risk, and compliance (GRC).
Performance	http://service.sap.com/performance
Information about Support Package Stacks, latest software versions, and patch level requirements	http://service.sap.com/swdc
SAP NetWeaver	https://help.sap.com/nw

1.2.2 Further Useful Links

The following table lists further useful links on the SAP Service Marketplace:

Content	Location on SAP Service Marketplace
SAP Message Wizard Provides information about creating product error messages	http://service.sap.com/message
SAP Notes Search	http://service.sap.com/notes
SAP Software Download Center You can download and order software from here.	http://service.sap.com/swdc
SAP Online Knowledge Products (OKPs) – role-specific Learning Maps	http://service.sap.com/rkt
Release Notes for SAP Access Control 10.1, SAP Process Control 10.1, and SAP Risk Management 10.1	http://help.sap.com/grc

1.3 Important SAP Notes

You must read the following SAP Notes before you start the installation. These SAP Notes contain the most recent information on the installation as well as corrections to the installation documentation. Make sure that you have the latest version of each SAP Note, which you can find on SAP Service Marketplace at <http://service.sap.com/notes>.

SAP Note Number	Title
1855332	Release strategy for SAP Access Control 10.1
1855403	GRCFND_A V1100 Installation and Upgrade
1855404	GRCPINW V1100 Installation and Upgrade
1855405	GRCPERP V1100 Installation and Upgrade

1.4 SAP Fiori Apps

For more information regarding SAP Fiori apps, see SAP Fiori for SAP Access Control 10.1 <http://help.sap.com/grc-ac>.

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2 Application Overview

2.1 Software Components

The following table illustrates the software component matrix for the application:

Required or Optional	Component/Version	Comment
Required	SAP NetWeaver 7.40 SP04	GRC system
Required	SAP Access Control 10.1	GRC system
Optional	SAP NetWeaver Enterprise Portal 7.x	Versions 7.02 -7.31 use the 7.02 Plug-In Version 7.31 and above use the 7.31 Plug-In

The following table lists the software components for other systems in the landscape that are integrated with SAP GRC.

Required or Optional	Component	Version	Comment
Optional	GRCPINW V1100_700	SAP GRC 10.1 Plug-in NW 7.00	N/A
Optional	GRCPERP V1100_700	SAP GRC 10.1 Plug-in ERP 7.00	N/A
Optional	GRCPINW V1100_710	SAP GRC 10.1 Plug-in NW 7.10	N/A
Optional	GRC 10.1 Java Components	SAP GRC AC Portal Plug-in	Back end systems

Integration of SAP Access Control with ERP uses the following plug-ins:

- GRCPERP for SAP Access Control and Process Control HR Functions
- GRCPINW for SAP Access Control non-HR Functions

2.2 System Landscape

The following figure illustrates the technical landscape for the SAP Access Control application as part of the 10.1 release of the SAP solutions for governance, risk, and compliance (GRC):

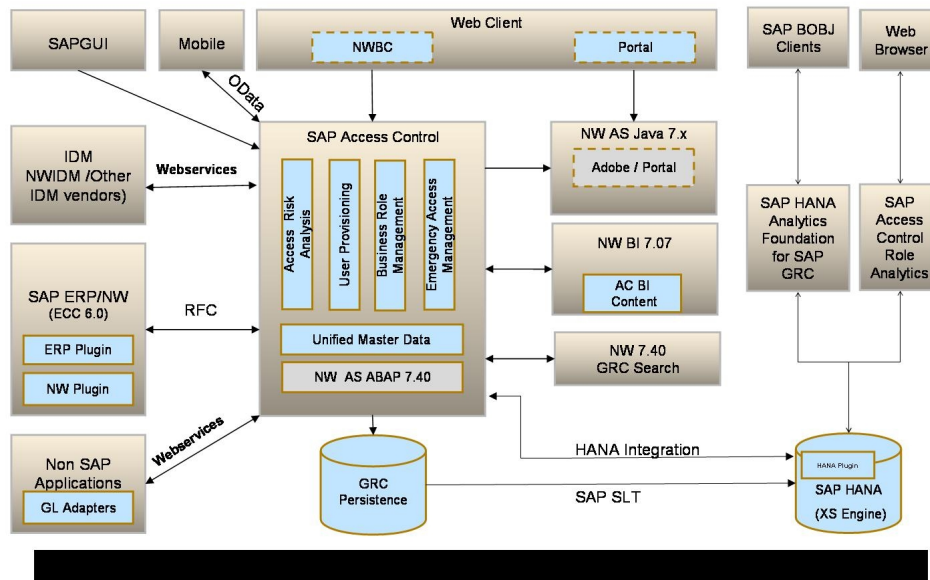


Figure 1: SAP Access Control 10.1 System Landscape

RECOMMENDATION

As a best practice, we recommend implementing SAP solutions for governance, risk, and compliance (GRC) in three phases, with separate systems for each:

- Development
- Testing
- Production

CAUTION

We strongly recommend that you use a minimal system landscape for test and demonstration purposes only. For performance, high availability, and security reasons, do not use a minimal system landscape as your production landscape.

2.3 Overall Implementation Sequence

This section describes the sequential implementation steps required to install the application. It includes references to the relevant installation documentation and SAP Notes.

The following table lists all the software components that you need for the installation. To implement a specific SAP Access Control scenario, you may need only a subset of the software components.

SAP Access Control supports all the operating and database software systems that are supported by SAP NetWeaver.

**NOTE**

For more information, see the product availability matrix posted on the SAP Service Marketplace at <http://service.sap.com/pam>.

Procedure

To install the application, use the steps described below.

Step	Required/ Optional	Action	Reference
1	Required	Install NetWeaver 7.40 SP04 on the GRC system	http://service.sap.com
2	Required	Install GRCFND_A V1100: Add-on Installation on the GRC system	For more information, see SAP Note 1855403 .
3	Required	Install SAP Access Control 10.1 NetWeaver Plug-In (GRCPINW) on the Plug-In system	For more information, see SAP Note 1855404
4	Optional	Install SAP Access Control ERP Plug-In on the Plug-In system (GRCPERP)	For more information, see SAP Note 1855405 If SAP HR is installed, you must install GRCPERP.
5	Optional	Install SAP NetWeaver Enterprise Portal 7.x	http://service.sap.com/instguides ► Analytics → Governance, Risk, and Compliance → Access Control ◀

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3 Application Business Scenarios

The following table provides information about SAP Access Control scenarios:

Content	Location
Scenario Description	For more information about Solution Manager, see the note below.
Configuration Documentation	For more information about Solution Manager, see the note below.
Scenario Security Guide	For more information, see http://help.sap.com/grc-ac .



NOTE

For more information, see ► *The Main SAP Documentation Types → Implementation → Configuration Documentation in SAP Solution Manager* ◀



CAUTION

SAP NetWeaver shared services are required to run Solution Manager and System Landscape Directory.



NOTE

For more information, see the current *SAP NetWeaver Master Guide* posted on SAP Service Marketplace at <http://help.sap.com/nw70> ► *Installation and Upgrade Information → Master Guide* ◀.

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4 Application Documentation

SAP Access Control provides the following documentation including this guide at <http://help.sap.com/grc-ac>:

- *SAP Access Control 10.1 Master Guide*
- *SAP Access Control / SAP Process Control / SAP Risk Management 10.1 Installation Guide*
- *SAP Access Control 10.1 Operations Guide*
- *SAP Access Control 10.1 / Process Control 10.1 / Risk Management 10.1 Security Guide*
- *SAP Access Control 10.1 SAP Library*

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A Reference

A.1 The Main SAP Documentation Types

The following is an overview of the **most important** documentation types that you need in the various phases in the life cycle of SAP software.

Cross-Phase Documentation

SAPterm is SAP's terminology database. It contains SAP-specific vocabulary in over 30 languages, as well as many glossary entries in English and German.

- Target group:
 - Relevant for all target groups
- Current version:
 - On SAP Help Portal at ► <http://help.sap.com> → *Glossary* ◀
 - In the SAP system in transaction STERM

SAP Library is a collection of documentation for SAP software covering functions and processes.

- Target group:
 - Consultants
 - System administrators
 - Project teams for implementations or upgrades
- Current version:
 - On SAP Help Portal at <http://help.sap.com> (also available as documentation DVD)

The **security guide** describes the settings for a medium security level and offers suggestions for raising security levels. A collective security guide is available for SAP NetWeaver. This document contains general guidelines and suggestions. SAP applications have a security guide of their own.

- Target group:
 - System administrators
 - Technology consultants
 - Solution consultants
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/securityguide>

Implementation

The **master guide** is the starting point for implementing an SAP solution. It lists the required installable units for each business or IT scenario. It provides scenario-specific descriptions of preparation,

A.1 The Main SAP Documentation Types

execution, and follow-up of an implementation. It also provides references to other documents, such as installation guides, the technical infrastructure guide and SAP Notes.

- Target group:
 - Technology consultants
 - Project teams for implementations
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

The **installation guide** describes the technical implementation of an installable unit, taking into account the combinations of operating systems and databases. It does not describe any business-related configuration.

- Target group:
 - Technology consultants
 - Project teams for implementations
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

Configuration Documentation in SAP Solution Manager – SAP Solution Manager is a life-cycle platform. One of its main functions is the configuration of business scenarios, business processes, and implementable steps. It contains Customizing activities, transactions, and so on, as well as documentation.

- Target group:
 - Technology consultants
 - Solution consultants
 - Project teams for implementations
- Current version:
 - In SAP Solution Manager

The **Implementation Guide (IMG)** is a tool for configuring (Customizing) a single SAP system. The Customizing activities and their documentation are structured from a functional perspective. (In order to configure a whole system landscape from a process-oriented perspective, SAP Solution Manager, which refers to the relevant Customizing activities in the individual SAP systems, is used.)

- Target group:
 - Solution consultants
 - Project teams for implementations or upgrades
- Current version:
 - In the SAP menu of the SAP system under ► *Tools* → *Customizing* → *IMG* ◀

Production Operation

The **technical operations manual** is the starting point for operating a system that runs on SAP NetWeaver, and precedes the application operations guides of SAP Business Suite. The manual refers

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users to the tools and documentation that are needed to carry out various tasks, such as monitoring, backup/restore, master data maintenance, transports, and tests.

- Target group:
 - System administrators
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

The **application operations guide** is used for operating an SAP application once all tasks in the technical operations manual have been completed. It refers users to the tools and documentation that are needed to carry out the various operations-related tasks.

- Target group:
 - System administrators
 - Technology consultants
 - Solution consultants
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

Upgrade

The **upgrade master guide** is the starting point for upgrading the business scenarios and processes of an SAP solution. It provides scenario-specific descriptions of preparation, execution, and follow-up of an upgrade. It also refers to other documents, such as upgrade guides and SAP Notes.

- Target group:
 - Technology consultants
 - Project teams for upgrades
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

The **upgrade guide** describes the technical upgrade of an installable unit, taking into account the combinations of operating systems and databases. It does not describe any business-related configuration.

- Target group:
 - Technology consultants
 - Project teams for upgrades
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/instguides>

Release notes are documents that contain short descriptions of new features in a particular release or changes to existing features since the previous release. Release notes about ABAP developments are the technical prerequisite for generating delta and upgrade Customizing in the Implementation Guide (IMG).

- Target group:

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- Consultants
- Project teams for upgrades
- Current version:
 - On SAP Service Marketplace at <http://service.sap.com/releasenotes>
 - In the SAP menu of the SAP system under ► *Help* → *Release Notes* ◀ (only ABAP developments)

Typographic Conventions

Example	Description
<Example>	Angle brackets indicate that you replace these words or characters with appropriate entries to make entries in the system, for example, “Enter your <User Name>”.
► Example → Example ◄	Arrows separating the parts of a navigation path, for example, menu options
Example	Emphasized words or expressions
Example	Words or characters that you enter in the system exactly as they appear in the documentation
http://www.sap.com	Textual cross-references to an internet address
/example	Quicklinks added to the internet address of a homepage to enable quick access to specific content on the Web
123456	Hyperlink to an SAP Note, for example, SAP Note 123456
Example	<ul style="list-style-type: none"> Words or characters quoted from the screen. These include field labels, screen titles, pushbutton labels, menu names, and menu options. Cross-references to other documentation or published works
Example	<ul style="list-style-type: none"> Output on the screen following a user action, for example, messages Source code or syntax quoted directly from a program File and directory names and their paths, names of variables and parameters, and names of installation, upgrade, and database tools
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, database table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE
EXAMPLE	Keys on the keyboard

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Documentation in the SAP Service Marketplace

You can find this document at the following address: <http://help.sap.com/grc-ac>

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