

SAP GRC RIG

Access Control 5.3

Configuration How-to

**→ Integration between Compliant User
Provisioning and NetWeaver Identity
Management (IdM)**

Scenario description



- This slide deck will show the configuration steps to be done in GRC AC 5.3 to be able to send provisioning requests from GRC AC 5.3 to NetWeaver IdM
- The screenshots are based on a demo scenario using one workflow with one stage where the security lead is approver
- Connector parameter and field mappings mentioned need to be entirely applied

Configuration Overview for Compliant User Provisioning



1. Read “IdM Integration” Section in AC 5.3 Configuration Guide
2. Finish Initial Configuration for CUP
(→ Refer to Post-Installation Slide Deck for CUP)
3. Check if Required Release Levels are met
4. Create and Test System Connector and Parameter Mapping
5. Create Field Mapping
6. Configure Workflow
7. Configure Approvers
8. Import Roles
9. End User Personalization

1 – Check Available Documentation



- <https://service.sap.com/instguides> → SAP Solution Extensions → SAP Solutions for GRC → SAP GRC Access Control → SAP GRC Access Control 5.3:
 - Masterguide
 - Installation Guide
 - Upgrade Guide
 - Configuration Guide
 - Operation Guide
 - Security Guide

- [Online Documentation](#) (replaced fromer release User's Guide)

- <http://service.sap.com/releasenotes> → *SAP Solutions* → *SAP GRC Products* → *SAP GRC Access Control*
 - Overview of new features in AC 5.3

- <https://service.sap.com/rkt> → SAP Solutions for GRC → SAP Access Control 5.3
 - Free-of-charge (Ramp-Up customers only) online delta training!

- www.sdn.sap.com/irj/sdn/bpx-grc
 - GRC Best Practice Information
 - GRC How-To Guides

2 – Post-Installation Slide Deck CUP



- Slide Deck available on SDN or through GRC RIG
- All tasks need to be performed before starting with the configuration for IdM Integration

SAP GRC RIG
Access Control 5.3
Post-Installation Slide Deck
→ **Compliant User Provisioning**

3 – Required Release Levels



- GRC Access Control 5.3 SP4
- NetWeaver Identity Management 7.0 SP2 Patch1

4 – Create System Connector and Parameter Mapping



- Create Connector of Type „IDM“, Fill in Details and Add the Parameter Mapping

SAP GRC Access Control
Compliant User Provisioning

Welcome Admin Access Controls | Help | About | Log Off

My Work | Informer | Configuration

Connectors

IDM

Name* NWIDM
Short Description* NetWeaver IDM
Description NetWeaver IDM on NWDEMO2450
Web Services URI* http://nwdemo2450.wdf.sap.corp:50000/nwids/
User ID* superuser
Password*
System Language EN
Connector Category Production

Parameter Name	Parameter Value
APPROVER_ID	requesteduserid
ASSIGN_ROLES:OC	MX_PERSON
AUDIT_SEARCH_ATTRIBUTE	requestid
AUDIT_SEARCH_OPERATION	operation=auditlog
AUDIT_TYPE	auditlogs
CHANGE_USER:OC	MX_PERSON

Save Test Connection

All parameters to be entered are on next slide

4 – Create System Connector and Parameter Mapping



Parameter Name (GRC Parameter)	Parameter Value (IdM Parameter)
APPROVER_ID	requesteduserid
ASSIGN_ROLES:OC	MX_PERSON
AUDIT_SEARCH_ATTRIBUTE	requestid
AUDIT_SEARCH_OPERATION	operation=auditlog
AUDIT_TYPE	auditlogs
CHANGE_USER:OC	MX_PERSON
CREATE_USER:OC	MX_PERSON
DATE	timestamp
DELETE_USER:OC	MX_PERSON
LOCK_USER:OC	MX_PERSON
LOCK_USER:islocked	true
OPERATION	requestoperation
PROV_CALL	sync
REQUESTED_BY	requestuserid
REQUEST_ID	requestid
REQUEST_STATUS	operationstatus
ROLE	privilege
SCHEMA_ID	default
SEARCH_CRITERIA	searchBase
UNLOCK_USER:OC	MX_PERSON
UNLOCK_USER:islocked	false
USER_ID	requestuserid

➤Parameter Mapping for PROV_CALL

- If „sync“ request will be send from AC to IdM after approval in AC
- If „async“ request will be send from AC to IdM directly without approval process

5 – Field Mapping



- Choose your IdM connector

Field Mapping

Group Name *

Short Description *

Connector Type *

Application	Default System
<input type="text" value="NetWeaver IDM"/>	<input checked="" type="radio"/>

+ -

6 – Configure Workflow Initiator



- Create the Initiator according to your needs. Below is just an example.

SAP GRC Access Control
Compliant User Provisioning

Welcome Admin Access Controls | Help | About | Log Off

My Work | Informer | Configuration

Change Initiator

Initiator

Name*
Short Description*
Description
Workflow Type*

Select Attributes

Condition
Attribute*
Value*

Add Attribute

Select Attributes [Filter](#)

<input type="checkbox"/>	Condition	Attribute	Value
<input type="checkbox"/>	AND	Application	NWIDM
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

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Save Delete Cancel

6 – Configure Workflow Stage



- Configure the stages you want to use in your workflow. This example uses Security Lead as approver.

The screenshot shows the SAP GRC Access Control Compliant User Provisioning interface. The main content area is titled "Stage Configuration" and is divided into several sections:

- Stage Details:** Fields for Name (SECURITY), Short Description (Security Approver), Description (Security Approver), Workflow Type (CUP), Approver Determinator (Security Lead), Request Wait Time (Days) (0), Request Wait Time (Hours) (0), and Escalation Configuration (No Escalation).
- Notification Configuration:** A table of checkboxes for notification events (Approved, Escalated, Request Rejected) and recipients (User, Requestor, Manager, Other Approvers).
- Approved:** A tab for configuring the email notification for approved requests. The subject is "Request approved" and the content is a template: "Your request #_!REQUESTNUMBER#! has been approved for #_!USERNAME#! and ID #_!USERID#!".

Event	User	Requestor	Manager	Other Approvers
Approved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Escalated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Request Rejected	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

6 – Configure Workflow Path



- Create path to your needs. Here an example with one stage and Security Lead as Approver.

The screenshot displays the SAP GRC Access Control interface for configuring workflow paths. The main window is titled "Workflow Paths" and contains a table of available paths. The "IDM" path is selected, and its configuration is shown in a detailed view below.

Name	Short Description	Description	Workflow Type	Number of Stages	Initiator	Active	Detour
<input type="checkbox"/> ERM_ROLE_APPROVAL	ERM Role Approval	ERM Role Approval	RE	1	ROLE_APPROVAL		
<input type="checkbox"/> ERP	ERP Request	ERP Request	Access Enforcer	3	ERP		
<input checked="" type="checkbox"/> IDM	IDM		Access Enforcer	1	IDM		

Stage No.	Stage	Approver Determinator
	Start	
Stage 1	SECURITY	Security Lead
	Finish	

Buttons: Create, Change, Delete, Save, Cancel

7 – Configure Approvers



- In the path the Security Lead is the approver and needs therefore to be configured.


The screenshot shows the SAP GRC Access Control Compliant User Provisioning interface. The top navigation bar includes the SAP logo, the title "SAP GRC Access Control Compliant User Provisioning", and the text "Welcome Admin Access Control". On the right, there are links for "Help | About | Log Off" and a "POWERED BY SAP NetWeaver" logo. The main content area is divided into three tabs: "My Work", "Inform", and "Configuration". The "Configuration" tab is active, and the left sidebar shows a tree view of configuration options, with "Security Lead" selected under the "Approvers" category. The main content area displays the "Security Lead" configuration form, which includes the following fields:

Approver Information	
Group Email Address*	<input type="text" value="Anna.Lerch@adiwdfvm2070.demo.sap"/>
Approver ID	<input type="text" value="LERCHA"/>
Alternate Approver ID	<input type="text" value="AC_ADMIN"/>

Below the form are "Save" and "Cancel" buttons.

8 – Import Roles



- Roles can be manually created but also imported via an Excel Template. Download Template and Fill in the Roles you want to Provision towards the IdM Connector. →  Microsoft Office Excel Worksheet
- The role attributes used in the spreadsheet must be created prior to upload in CUP (see Post-Installation Slide Deck for CUP)

The screenshot shows the SAP GRC Access Control Compliant User Provisioning interface. The main title is "SAP GRC Access Control Compliant User Provisioning" with a "Welcome Admin Access Controls" message. The navigation bar includes "My Work", "Informer", and "Configuration". The left sidebar lists various configuration options, with "Roles" expanded to show "Import Roles" and "Create Role". The main content area is titled "Import Roles" and contains the following fields and options:

- System:** Select (dropdown menu)
- Role Source:** Back End (dropdown menu)
- Last Synch Date:** (text input field)
- Radio buttons:**
 - All Roles
 - All Roles Except SAP Predefined Roles
 - Selected Roles
- Role Name:** (text input field)
- From File:** C:\Documents and Settings\d042938\My Docur...
- Overwrite Existing Roles
-

8 – Import Roles



- Example of IdM Privileges imported to CUP as Roles

The screenshot displays the SAP GRC Access Control interface. The main title is "SAP GRC Access Control Compliant User Provisioning". The navigation bar includes "My Work", "Informer", and "Configuration". The left sidebar shows a tree view with "Roles" selected. The main content area shows "Roles Information" with a table of search results.

<input type="checkbox"/>	System	Role	Type	Description
<input type="checkbox"/>	NWIDM	PRIV:ROLE:PORTAL:Everyone		PRIV:ROLE:PORTAL:Everyone
<input type="checkbox"/>	NWIDM	PRIV:ROLE:PORTAL:pcd:portal_content/com.sap.idm/vic_user		PRIV:ROLE:PORTAL:pcd:portal_content/com.sap.idm/vic_user
<input type="checkbox"/>	NWIDM	PRIV:ROLE:PORTAL:pcd:portal_content/com.sap.idm/vic_administration		PRIV:ROLE:PORTAL:pcd:portal_content/com.sap.idm/vic_administration
<input type="checkbox"/>	NWIDM	PRIV:GROUP:PORTAL:VC Group		PRIV:GROUP:PORTAL:VC Group
<input type="checkbox"/>	NWIDM	mxmc_admin_priv		mxmc_admin_priv

At the bottom of the table, there are navigation buttons: "Create", "Change", "Delete", "Cancel", and "Export".

9 – Configure End User Personalization



- Configure the Request Form Fields according to your needs.

The screenshot displays the SAP GRC Access Control interface for 'Compliant User Provisioning'. The main navigation bar includes 'My Work', 'Informer', and 'Configuration'. The 'Configuration' tab is active, showing a sidebar with various configuration options, including 'End User Personalization' which is currently selected. The main content area is titled 'Request Form Customization' and contains a table with columns for 'Field Name', 'Default Value', 'Mandatory', 'Editable', and 'Visible'. The table lists various fields such as 'Application', 'Approve Reject Own Requests', 'Attachments', 'Cancel', 'Company', 'Department', 'Employee Type', 'Functional Area', 'Location', 'Manager Email', 'Manager First Name', 'Manager Information', 'Manager Information Lookup', 'Manager Last Name', and 'Manager Name'. Each row has a checkbox in the 'Field Name' column. The 'Company' field has a default value of 'ITELO'. At the bottom of the table, there are navigation controls and 'Change' and 'Cancel' buttons.

<input type="checkbox"/>	Field Name ▲	Default Value	Mandatory	Editable	Visible
<input type="checkbox"/>	Application		Yes	Yes	Yes
<input type="checkbox"/>	Approve Reject Own Requests		No	No	No
<input type="checkbox"/>	Attachments		No	No	No
<input type="checkbox"/>	Cancel		No	No	Yes
<input type="checkbox"/>	Company	ITELO	No	Yes	Yes
<input type="checkbox"/>	Department		No	No	No
<input type="checkbox"/>	Employee Type		No	No	No
<input type="checkbox"/>	Functional Area		No	No	No
<input type="checkbox"/>	Location		No	No	No
<input type="checkbox"/>	Manager Email		No	No	No
<input type="checkbox"/>	Manager First Name		No	No	Yes
<input type="checkbox"/>	Manager Information		No	No	No
<input type="checkbox"/>	Manager Information Lookup		No	No	No
<input type="checkbox"/>	Manager Last Name		No	No	Yes
<input type="checkbox"/>	Manager Name		No	No	No

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