



Configuring Multiple Detail Data Sources in CUP

SAP GRC Regional Implementation Group

Applicable Releases:

SAP GRC Access Control 5.3

Topic Area:

GRC

Capability:

Compliant User Provisioning Capability of GRC AC 5.3 can now be configured to fetch the User Details from Multiple Data Sources while request creation.

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Table of Contents

- 1. **Business Scenario**..... 1
- 2. **Background Information**..... 1
- 3. **Prerequisites** 1
- 4. **Configuration** 2
 - 4.1 Configuring UME as data source for CUP..... 2
 - 4.2 Configuring LDAP as User Data Source 3
 - 4.3 Multiple data sources configuration in CUP 5.3 3
 - 4.4 Configuring multiple systems as User detail data source 4
 - 4.5 Configure Priority for the respective data source 5
- 5. **Related Content** 6
- 6. **Comments and Feedback**..... 7

1. Business Scenario

User Detail source is the system from which the Compliant User Provisioning Tool of Access Control Suite will fetch the user data while creating a request. This article outlines the procedure to be followed to configure multiple data sources to fetch the user details while request creation in CUP.

2. Background Information

- 1) The User Data Source is used as the primary source for extracting user data while creating a request in CUP.
- 2) All the user related search queries would be returned by the system configured in the “User Data Source” option
- 3) The User Details Source is used to fetch the additional information of the user.
- 4) For requests created in CUP, user details like: email, phone number, first name, last name will be fetched from the User Detail Source Configuration.
- 5) With GRC AC 5.3, we can configure multiple systems which can act as user detail sources. These systems are configured and accessed by CUP on priority basis to fetch the user details and populate it on the request creation screen.
- 6) The data source that you map (such as LDAP, SAPHR, SAP, or SAPUME) also determines how certain types of data are handled through the assigned protocols and from specific systems.
- 7) The possible data sources could be SAP, SAPHR, SAP UME, JDE, PeopleSoft, Oracle and LDAP wherein the most commonly used ones are SAP UME and LDAP.

3. Prerequisites

- SAP GRC Access Control 5.3 should be installed and configured.

4. Configuration

UME and LDAP as Data Sources:

- 1) Using UME as the User data source

SAP UME is a central management repository for retrieving User data in an SAP environment. The SAP User Management Engine (UME) is the most common data source to find the user and approver data in an enterprise portal environment.

- 2) Using LDAP as the User data source

Using LDAP as the User Data Source is highly preferable because LDAP is normally the first point of entry for users accessing the enterprise system. LDAPs generally contain as much information about the user as the SAP business system.

4.1 Configuring UME as data source for CUP

- 1) SAP UME is being widely used as the User data source in an SAP NetWeaver environment.
- 2) The UME of the system, on which Compliant User Provisioning capability of the Access Control Tool is installed, can be used as the User Data Source by selecting SAP UME while configuring the data source as depicted in the following screenshot :



4.2 Configuring LDAP as User Data Source

- 1) Explained below is the procedure that enables the Compliant User Provisioning Tool to fetch the organization information from an LDAP data source.
- 2) There are two important tasks which are required in order to have a successful communication between the Compliant User Provisioning and the LDAP systems. These include:

→ Configuring an LDAP connector

- Create a connector for the LDAP system.

Connectors facilitate the transfer of data between Compliant User Provisioning and LDAP systems.

Compliant User Provisioning supports different LDAP types. They include:

- Microsoft Active Directory
- SunOne
- Novell E-Directory
- IBM Tivoli

→ Mapping the LDAP fields to the CUP fields. Please refer the Configuration Guide for more information on the LDAP Mapping.

4.3 Multiple data sources configuration in CUP 5.3

- 1) User details like telephone or email Id would be fetched from the system defined in the User Detail data source option.
- 2) With 5.3 we can configure multiple data sources for User Detail data source option.
- 3) Priority can be configured for these data source options
- 4) System configured with priority as one would be referred first for user details.
- 5) If that data source does not exist or AE is not able to fetch data from that data source then the system at the next level of priority would be considered to be used as user detail data source.
- 6) Whatever systems we configure as User Detail Data sources, they will be the ones to be used to fetch user information.
- 7) While configuring the User data source, the main point is to test connection to that system and ensure that it is working fine.

4.4 Configuring multiple systems as User detail data source

- 1) To configure multiple systems as User Detail data source, follow the steps described below:
- 2) In the configuration tab of CUP, select the option User Data Source from the navigation menu.
- 3) Provide a system name in the User Data Source field.
- 4) This would be the system from where the user related search queries would be returned in CUP.
- 5) For User Detail Data Source, multiple systems can be configured.
- 6) Assign a priority to each of the systems configured.
- 7) When user creates a request, CUP tries to pull the user details from the system defined with priority as one in the user detail data source option
- 8) If none of the fields or some of the fields are not found, CUP refers system with priority two for those fields.
- 9) If that system also does not have some fields then system at next level of priority would be referred.
- 10) The following screenshot gives an overview of the systems configured with different priorities for User detail data source

The screenshot shows the SAP GRC Access Control configuration interface. The main title is "SAP GRC Access Control Compliant User Provisioning". The user is logged in as "Welcome Aman Chittani". The navigation menu on the left includes "Request Configuration", "Workflow", "Request", "Field Mapping", "Approvers", "User Review", "Change Log", "Connectors", "Authentication", "User Data Source", "HR Transfer", "Roles", "Background Jobs", "User Defaults", "Attachments", "Monitoring", "Miscellaneous", "Initial System Data", and "Upgrade". The "User Data Source" configuration is displayed, showing the "Search Data Source" section with "Data Source Type" set to "LDAP" and "System Name" set to "DL_LIST". Below this is the "User Details Data Source" section with "Details Source Type" set to "MULTIPLE DATASOURCE". A table lists the configured systems:

System	System Type	Description	Sequence
QF6	SAP	Test	1
DL_LIST	LDAP	DL_LIST	2

The "DL_LIST" row is highlighted with a red border. There are "Save" buttons for both sections.

5. Related Content

Please refer the [Configuration Guide](#) for GRC AC 5.3 for more information on the User detail source configuration.

6. Comments and Feedback

For any comments or feedback please contact:

 Harleen Kaur

h.kaur@sap.com