Integration Guide: AC 12.0 – IAG Bridge Scenario

Using SAP Cloud Identity Access Governance as a bridge to enable creation of access requests from SAP Access Control on-premise to cloud applications

PUBLIC

TARGET AUDIENCE: Administrators

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About This Guide

This guide is intended for administrators to assist in setup and integration of SAP Access Control 12.0 on-premise with the SAP Cloud Identity Access Governance solution and target cloud applications. This guide is to be used in conjunction with the SAP Cloud Identity Access Governance administrator guide.

Document History

Provides details about the changes made in each version of this document.

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<th>Date</th>
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Integration Process: AC on-premise -to- IAG -to- Cloud Apps (overview)

**Prerequisites:**
- Working instance of IAG solution (refer to IAG Admin Guide)
- Working instance of AC 12 on-premise (refer to AC Admin Guide)
- Working instance of cloud application

1. Complete integration procedure for IAG and cloud application, e.g. SAP Ariba
2. In IAG, sync user data from cloud app to IAG repository
3. Complete integration procedure for AC on-premise system and IAG
4. On AC on-premise system, sync cloud app user data from IAG repository to AC system
5. On AC system, create access requests for cloud application
6. On IAG, run provisioning jobs to get provisioning requests from AC and push to cloud application
Integration Process: AC on-premise -to- IAG -to- Cloud App (including sub steps)

Prerequisites
Ensure the following are setup and working before starting the integration procedure:

- Working instance of IAG solution (refer to IAG Admin Guide)
- Working AC 12 on-premise system (refer to AC Admin Guide)
- Working instance of target cloud application

1.0 Complete Integration for IAG and Target Cloud Application
This enables communication and data sync between IAG and the target cloud application. (The information in this section refers to the IAG Admin Guide.)

1.1. In SCP, create destinations for your specific target cloud applications, e.g. SAP Ariba. (see IAG Admin Guide – Integration Scenarios)
   1. Go to your subaccount and open Connectivity > Destinations > New Destinations.
   2. Create destinations as specified in the Admin Guide.

1.2. In SCP, create OAuth client for IAG bridge security. (see Configuration Steps)
   2. Fill in the required fields as shown below.
      - **Subscription**: select `<provider tenant ID>/iagtrigger`
      - **ID**: enter `IAGBRIDGE`
      - **Authorization Grant**: select `Client Credentials`
      - **Secret**: enter the password for the service
      - **Token Lifetime**: delete any entry and leave the field empty
3. On the **Branding** tab, take note of the **Token Endpoint URL**. You will need it in the step to create connectors on the access control system.

![OAuth URLs](image)

1.3. In **Fiori Launchpad** for IAG, add a system for the cloud application destination.

   Open the **Systems** app and click the plus (+) to create a system. Use information from the destination you created in SCP to fill in the fields. (See [IAG Admin Guide – Integration Scenarios – Add [cloud app] Instance](#))

   **Note:** For a successful integration of SAP Access Control with SAP Identity Access Governance, the Systems and Business Function Group apps created in SAP Identity Access Governance must have 10 characters or less.

   This completes the communication setup between IAG and the target cloud application.

2.0 **Sync Target Cloud Application User Data to IAG repository**

   To synch user data from the cloud application to IAG repository, open the IAG Launchpad, and open the **Job Scheduler** app. Schedule and run the job: **Repository Sync**.
3.0 Complete Integration of AC on-premise to IAG

This enables communication and data synch between IAG and the AC system.
(The information in this section refers to the IAG Admin Guide > Integration Scenarios > SAP ABAP on-premise.)

This section contains the following tasks:

- **3.1 Install SAP Cloud Platform Connector**
- **3.2 Create RFC Destinations for IAGTRIGGER app**
- **3.3 Configure Cloud Integration parameters**
- **3.4 Create connector and connector group for target application**
- **3.5 Create destination for service: IAG_PROVISION_STATUS_UPDATE_SRV**

Prerequisites

- You have upgraded the target system to one of the supported NetWeaver versions and support packs (see Required NW version and SP)
- You have created the required RFC user allow communication with IAG (see Required RFC User)

3.1. Install SAP Cloud Connector

On the AC system, install and configure the SAP Cloud Platform Connector to enable communication between on-premise systems and the SAP Cloud Platform, and maintain destinations for each target system. (For detail steps, see Maintaining Cloud Connector)

After performing the steps mentioned in the link above, enter the Function Name and the Naming Policy for the on-premise system added to the cloud connector.
3.2. Maintain RFC Destination for the IAGTRIGGER App

1. Go to SPRO > Governance, Risk and Compliance > Common Component Settings > Integration Framework > Create Connectors.
2. Create an HTTP Connections to External Server.
   For Host enter the URL for the IAGtrigger Java app.
   For Path Prefix enter this URL as IAG requires this exact URL to communicate with IAG services: /rest.trigger/com/sap/grc/iag/service/roleSimulationService.svc/

3. Create IAG_SOD_AUTH Connector (see Create IAG_SOD_AUTH Connector)
4. Create IAG_SOD_CHECK Connector (see Create IAG_SOD_CHECK Connector)

![Image of RFC Destination IAG_SOD]

3.3. Configure Parameters for Cloud Integration

2. Maintain the following parameters and values.
   (For more information, see Configure Parameters for IAG)

![Image of Change View "AC Configuration settings": Overview]
3.4. Create Connector and Connector Group

Create connectors and connector groups for the target cloud application.

1. Go to SPRO > Governance, Risk and Compliance > Common Component Settings > Integration Framework > Maintain Connectors and Connection Types

2. Create Connection Type Definition: IAG and IAG_GRP.

Note: For steps 3 and 4 below, the Systems and Business Function Group apps in SAP Identity Access Governance must have 10 characters or less, as SAP Access Control supports only 10 characters.

3. Define the Connectors for the target cloud applications.

4. Assign Connectors to Connector Groups.
3.5. Create Destinations for IAG Service: IAG_PROVISION_STATUS_UPDATE_SRV
This delivered service is used by IAG to push status updates from the cloud target applications to access control. This enables the proper and accurate display of provisioning status for access requests.

1. On the AC system, go to SPRO > SAP NetWeaver > SAP Gateway > Administration > General Settings > Activate and Maintain Services.

2. In the Service Catalog screen, select IAG_PROVISION_STATUS_UPDATE_SRV and activate it.

3. In the System Aliases pane, click Add System Alias, and add it as local host, and Save.
4. In the ICF Nodes pane, click **SAP Gateway Client**, and then **Execute**.

5. In the html pane, copy the href link. You will need it for the next step.
6. In the **Cloud Connector**, create a system mapping for the provisioning status update service.
   1) Open the SAP Cloud Platform Connector, select the subaccount, and click **Cloud To On-Premise**.
   2) Go to the **Access Control tab** and click the plus (+) sign to add a new system mapping.

![Cloud Connector Administration](image)

3) For **Back-end Type**, select **ABAP System** and click **Next**.

![Add System Mapping](image)

4) For **Protocol**, select **HTTPS**, and click **Next**.
5) Enter the internal host and port information and Next. You can copy this information from the services URL.

- For Internal Host: enter the root URL; do not include the protocol
- For Internal Port: enter the port number

6) For Principal Type, select X.509 Certificate (General Usage) and click Next.
7) Select the **Check the Internal Host** box and click **Finish**.

![Check Internal Host]

8) Add a resource path. In the **Mapping Virtual To Internal System** table, select the new mapping. In the **Resources Accessible On** section, click the pencil icon to edit it.

<table>
<thead>
<tr>
<th>Enabled</th>
<th>Status</th>
<th>URL Path</th>
<th>Access Policy</th>
</tr>
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<tbody>
<tr>
<td>✔️</td>
<td>☐</td>
<td>/</td>
<td>Path and all sub-paths</td>
</tr>
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</table>

In the **URL Path** field, make sure only a `/` is entered, and save.

![Add Resource]

9) Test the configuration. In the **Mapping Virtual To Internal System** table, select the new mapping, and click the check-availability icon.

![Mapping Virtual To Internal System Table]
7. In SCP, create a destination for the IAG Provisioning Status Update virtual mapping.

1) Go to Connectivity > Destinations and click the plus sign (+) to add a destination.
   Add the destination. Enter the name as IAGProvisionStatusUpdate.

2) For the URL field, copy and paste the URL from the services configuration step.

3) Save.
4.0  Sync Cloud Application User Data from IAG repository to AC system

On the AC system, go to SPRO > Governance, Risk and Compliance > Synchronization Jobs and run the Repository Object Sync.

5.0  Create Access Requests for Cloud Applications

Use AC on-premise to create access requests for the target cloud applications.

6.0  Run Provisioning Jobs

In the Fiori Launchpad for IAG, run the provisioning job to retrieve provisioning requests from AC and push them to the target cloud application.

1. In the Fiori Launchpad for IAG open Job Scheduler app.
2. In the Job Category field, select Provisioning.
   We recommend setting this as a recurring job.
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