Upgrade: SAP Access Control 10.0/10.1 to 12.0
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# Document History

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<th>Date</th>
<th>Description</th>
</tr>
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<tr>
<td>1.0.0</td>
<td>2018-03-28</td>
<td>Initial release</td>
</tr>
<tr>
<td>1.1.0</td>
<td>2018-04-24</td>
<td>Revised to clarify the information and procedures are also applicable to upgrade from SAP Access Control 10.0.</td>
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<tr>
<td>1.1.1</td>
<td>2018-05-23</td>
<td>Updated description for BC Set.</td>
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<tr>
<td>1.1.2</td>
<td>2018-06-13</td>
<td>Clarified procedure for System Upgrade.</td>
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<tr>
<td>1.2.0</td>
<td>2018-08-03</td>
<td>Added topic: Support Pack Numbering and Compatibility</td>
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<tr>
<td>1.3.0</td>
<td>2018-08-15</td>
<td>Updated System Upgrade section. Replaced specific mention of plug-ins with references to relevant SAP notes. Updated procedure to setup Fiori business catalogs</td>
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<td>1.3.1</td>
<td>2018-08-28</td>
<td>Corrected typo for front-end component: UIGRC001 to UIGRAC01</td>
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<tr>
<td>1.3.2</td>
<td>2018-10-12</td>
<td>Added SP02 Master SAP Note</td>
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<td></td>
<td></td>
<td>Added SP information for GRC 10.1 Plug-ins</td>
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<tr>
<td></td>
<td></td>
<td>Updated component diagram</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated Prerequisites to include minimum SP level for upgrade from AC10.1</td>
</tr>
<tr>
<td>Version</td>
<td>Date</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1.3.3</td>
<td>2019-01-11</td>
<td>Updated <strong>SAP Notes for Upgrade</strong>: added Release Information Note for SP03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated <strong>SAP Fiori Apps</strong>: changed description for apps bundle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated <strong>Software Components</strong>: Added information for SP03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated <strong>Overall Implementation Sequence</strong>: Added information for SP03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated <strong>Prerequisites</strong>: Added information for SP03</td>
</tr>
</tbody>
</table>
# 2 Getting Started

This guide is intended for customers who currently use SAP Access Control 10.0 or 10.1 and wish to upgrade to SAP Access Control 12.0.

## 2.1 About This Document

**Purpose**

This guide describes how to upgrade SAP Access Control 10.0 or 10.1 to SAP Access Control 12.0. The document provides the following information:

- An overview of the type of data required for the upgrade
- Prerequisite information for configuring upgrade requirements for the SAP Access Control 12.0 environment
- Steps to verify data and perform post-upgrade tasks

**Constraints**

This Upgrade Guide is a standalone document; it has the following list of constraints.

- This guide discusses the upgrade process of the SAP Access Control 10.0 and 10.1 application to SAP Access Control 12.0. Any attempt to use this guide for other product versions is not supported.

This guide *does not* provide information for the following uses:

- Installing SAP Access Control 12.0
  - For more information about installation, see the *SAP Access Control Admin Guide* at https://help.sap.com/grc-ac

## 2.2 Product Availability Matrix

[https://apps.support.sap.com/sap/support/pam](https://apps.support.sap.com/sap/support/pam)

SAP regularly publishes the following information about SAP software releases through the Product Availability Matrix (PAM):

- Release type (for example, standard release, early adoption release, or focused business solution release)
- Planned availability
- Maintenance durations
- Upgrade paths
2.3 Support Pack Numbering and Compatibility

The support pack numbering of SAP Access Control support packs is dependent on the platform (Java or ABAP) as well as the Basis version of the back-end (700+). The differences in numbering between these components makes it difficult to ascertain which support packs to apply.

It is very important that the support pack level of the Foundation system and back-end ABAP Real-Time Agent (RTA) are in sync. Use the information in the following SAP Note to ensure your system is appropriately patched and in synch: 1352498 Support Pack Numbering - SAP Access Control.

2.4 SAP Notes for Upgrade

Review the following notes before you perform the upgrade.

<table>
<thead>
<tr>
<th>Note Number</th>
<th>Note Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2620641</td>
<td>SAP Access Control 12.0 · Release Information Note</td>
</tr>
<tr>
<td>2622112</td>
<td>Access Control 12.0 Support Package 01 · Master Note</td>
</tr>
<tr>
<td>2663021</td>
<td>SAP Access Control 12.0 SP02 Master Note</td>
</tr>
<tr>
<td>2731873</td>
<td>SAP Access Control 12.0 SP03 · Release Information Note</td>
</tr>
<tr>
<td>2647063</td>
<td>Release Information Note for SAP Fiori for SAP AC 1.0</td>
</tr>
<tr>
<td>2602131</td>
<td>Release strategy and Maintenance Information for the ABAP add-on GRCFND_A V1200</td>
</tr>
<tr>
<td>2612335</td>
<td>Release strategy and Maintenance Information for the ABAP add-on GRCFND_A V8100</td>
</tr>
<tr>
<td>2602825</td>
<td>Release strategy and Maintenance Information for the ABAP add-on GRCHIPER VIR1200_S4</td>
</tr>
<tr>
<td>2602564</td>
<td>Release strategy and Maintenance Information for the ABAP add-on GRCPINW V1200_750</td>
</tr>
<tr>
<td>9869960</td>
<td>Explanation of delivered risk analysis and remediation rules.</td>
</tr>
</tbody>
</table>
### Note Number

<table>
<thead>
<tr>
<th>Note Number</th>
<th>Note Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2641804</td>
<td>ESH: Accesses to search-related metadata take a long time: Symptoms may include long response time or even timing out when opening NWBC, Enterprise Portal, or Fiori Launchpad.</td>
</tr>
<tr>
<td>2672441</td>
<td>AC12 IMG Additional Documentation Documentation nodes accompany each IMG activity to explain the functionality. In rare instances where the documentation node is missing or insufficient, you can find the documentation in this SAP note.</td>
</tr>
</tbody>
</table>

### 2.5 SAP Fiori Apps


For information about installation of the SAP Fiori Launchpad, and the business catalogs and roles for access control, see chapter **Creating Catalogs and Controlling User Access in the Fiori Launchpad** in the SAP Access Control 12.0 Administration Guide.
3 Product Technical Overview

3.1 Software Components

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

<table>
<thead>
<tr>
<th>Required or Optional</th>
<th>Component/Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>SAP NetWeaver 7.52 SP0x (For specific SP levels, see Prerequisites chapter.)</td>
<td>Foundation application layer on GRC system</td>
</tr>
<tr>
<td>Required</td>
<td>SAP UI Component 7.52 SP0x (For specific SP levels, see Prerequisites chapter.)</td>
<td>Foundation UI layer on GRC system</td>
</tr>
<tr>
<td>Required</td>
<td>SAP Access Control 12.0 SP0x (For specific SP levels, see Prerequisites chapter.)</td>
<td>Access control application on GRC system</td>
</tr>
<tr>
<td>Optional</td>
<td>UIGRAC01 100 SP02</td>
<td>SAP Fiori for SAP AC 1.0 SP02 (version 4.0 2019-01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bundle of SAP Fiori apps for SAP Access Control 12.0 SP03</td>
</tr>
<tr>
<td>Optional</td>
<td>SAP Enterprise Portal 7.x</td>
<td>Versions 7.02 -7.31 use the 7.02 Plug-In</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Version 7.31 and above use the 7.31 Plug-In</td>
</tr>
</tbody>
</table>

The following table lists the plug-in components for target systems.

<table>
<thead>
<tr>
<th>Required or Optional</th>
<th>Component</th>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional</td>
<td>GRCPINW V1200_750</td>
<td>SAP GRC PLUGIN NW 7.50</td>
<td>Access control integration with ERP non-HR functions for NW 7.50</td>
</tr>
</tbody>
</table>

i Note
For the most updated information on plug-ins and support pack levels, see SAP note: 1352498 - Support Pack Numbering GRC Access Control.
<table>
<thead>
<tr>
<th>Required or Optional</th>
<th>Component</th>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional</td>
<td>GRCPIERP V1200_S4</td>
<td>SAP GRC PLUGIN S4HANA 1610+</td>
<td>Access control integration with S4HANA/ERP HR functions</td>
</tr>
<tr>
<td>Optional</td>
<td>GRCPIERP V1100_700</td>
<td>SAP GRC 10.1 SP20 Plug-in ERP 7.00</td>
<td>Access control integration with ERP HR functions</td>
</tr>
<tr>
<td>Optional</td>
<td>GRCPINW V1100_710</td>
<td>SAP GRC 10.1 SP21 Plug-in NW 7.10</td>
<td>Access control integration with ERP non-HR functions for NW 7.10</td>
</tr>
<tr>
<td>Optional</td>
<td>GRC 10.1 Java Components</td>
<td>SAP GRC AC Portal Plug-in</td>
<td>Portal integration for back-end systems.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional</td>
<td>HCO_GRC_PI</td>
<td>SAP GRC 10.1 Plug-in for HANA</td>
<td>SAP GRC 10.1 Plug-in for HANA</td>
</tr>
</tbody>
</table>

3.2 Component Diagram

The following figure illustrates the technical landscape for the SAP Access Control solution.
→ Recommendation

As a best practice, we recommend implementing the access control solution 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.
3.3 Prerequisites

Use

The following are required for upgrade to AC 12.0.

- SAP NetWeaver 7.52 SP0x (For specific SP levels, see the table below.)
- SAP UI Component 7.52 SP005
- For direct upgrade of AC 10.1 to specific AC 12 SP, the AC 10.1 must be at the following SP levels:

<table>
<thead>
<tr>
<th>Minimum Required NW SP Level</th>
<th>Minimum Required 10.1 SP Level</th>
<th>To Upgrade to AC12.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAP NW 7.52 SP01</td>
<td>SAP AC 10.1 SP20</td>
<td>SAP AC 12.0 SP01</td>
</tr>
<tr>
<td>SAP NW 7.52 SP02</td>
<td>SAP AC 10.1 SP21/22</td>
<td>SAP AC 12.0 SP02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>We recommend consulting with SAP Support to determine which SP is relevant for your scenario.</td>
</tr>
<tr>
<td>SAP NW 7.52 SP03</td>
<td>SAP AC 10.1 SP23</td>
<td>SAP AC 12.0 SP03</td>
</tr>
</tbody>
</table>

More Information

For more information about SAP NetWeaver, see the SAP Help Portal at http://help.sap.com/netweaver

3.4 Overall Implementation Sequence

Use

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 access control scenario, you may need only a subset of the software components.

The access control solution supports all the operating and database software systems that are supported by SAP NetWeaver.
Procedure

To install the application, use the steps described below.

<table>
<thead>
<tr>
<th>Step</th>
<th>Required/Optional</th>
<th>Action</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Required</td>
<td>Install NetWeaver 7.52 SPOx on the GRC system. (For specific SP level requirements, see <a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">Prerequisites</a>.)</td>
<td><a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">https://help.sap.com/viewer/p/SAP_NETWEAVER</a></td>
</tr>
<tr>
<td>2</td>
<td>Required</td>
<td>Install SAP UI component 7.52 SPOx. (For specific SP level requirements, see <a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">Prerequisites</a>.)</td>
<td><a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">https://help.sap.com/viewer/p/SAP_NETWEAVER</a></td>
</tr>
<tr>
<td>3</td>
<td>Required</td>
<td>Install GRCFND_A V1200: Add-on Installation on the GRC system.</td>
<td><a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">2602131</a></td>
</tr>
<tr>
<td>4</td>
<td>Required</td>
<td>Install SAP Access Control 12.0 NetWeaver Plug-In (GRCPINW V1200_750 SP21) on the Plug-in system</td>
<td><a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">2602564</a></td>
</tr>
<tr>
<td>5</td>
<td>Optional</td>
<td>Install SAP Access Control ERP Plug-In on the Plug-In system (GRCPIERP V1100_700 SP20)</td>
<td><a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">1855405</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>For more information, see SAP Note 1855405. If SAP HR is installed, you must install GRCPIERP.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Optional</td>
<td>Install SAP GRC PLUGIN for S4HANA 1610+ (GRCPIERP V1200_S4)</td>
<td><a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">2602825</a></td>
</tr>
</tbody>
</table>

4 Relevant Data

This section discusses how to convert the existing SAP Access Control 10.0 or 10.1 application to SAP Access Control 12.0. The upgrade process involves the conversion of the data types listed below.

### 4.1 Configuration Data

#### Use

Configuration data includes the configuration parameters that you specify within Customizing (IMG transaction SPRO). The following new Customizing activities are available as of SAP Access Control 12.0:

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>IMG Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain Settings for Simplified Access Request processing</td>
<td>Governance, Risk, and Compliance Access Control User Provisioning Simplified Access Request Sections</td>
</tr>
<tr>
<td>Maintain Settings for Simplified Access Request processing</td>
<td>Governance, Risk, and Compliance Access Control User Provisioning Simplified Access Request Labels</td>
</tr>
<tr>
<td>Maintain Settings for Simplified Access Request processing</td>
<td>Governance, Risk, and Compliance Access Control User Provisioning Simplified Access Request Page</td>
</tr>
<tr>
<td>Maintain Settings for Simplified Access Request processing</td>
<td>Governance, Risk, and Compliance Access Control User Provisioning Simplified Access Request Reasons</td>
</tr>
<tr>
<td>Disable Link Functionality in Attachments and Link</td>
<td>Governance, Risk, and Compliance General Settings Disable Link Functionality in Attachments and</td>
</tr>
<tr>
<td>Configure Side Panel for My Process</td>
<td>Governance, Risk, and Compliance General Settings UI Settings Configure Side Panel for My Process</td>
</tr>
<tr>
<td>Define Audit Groups</td>
<td>Governance, Risk, and Compliance Common Component Settings Internal Audit Management Define</td>
</tr>
<tr>
<td>Maintain Firefighter ID Role Name Per Connector</td>
<td>Governance, Risk, and Compliance Access Control Emergency Access Management Maintain Fire</td>
</tr>
</tbody>
</table>

Upgrade: SAP Access Control 10.0/10.1 to 12.0
4.2 Master Data - BC Sets

The BC Sets below are new to SAP Access Control 12.0. They are optional, and are applicable only for S/4HANA implementations.

<table>
<thead>
<tr>
<th>BC Set Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAC_RA_RULESET_S4HANA_ALL</td>
<td>Rule set for risk analysis integration with Fiori Apps on S/4HANA on-premise systems.</td>
</tr>
</tbody>
</table>

For an explanation of delivered risk analysis and remediation rules, see [986996](https://help.sap.com/viewer/p/SAP_ACCESS_CONTROL).

4.3 Transactional Data

Use

Transactional data are transaction-based records related to the audit trail, workflow items, and so on. If any changes are necessary for transactional data, the system handles them automatically using XPRA during the SAP Access Control 12.0 deployment.
5 Verifying Data

Use

To verify your data after the upgrade, we recommend that you perform the following list of tasks:

- **View the Upgrade Logs**
  You can check the upgrade logs to verify that the programs ran successfully.

- **Use the SAP Access Control user interfaces to verify that data integrity is maintained after the upgrade.**
  Compare the information from version 10.0 and 10.1 to the information in 12.0 user interface.
6 System Upgrade

Use

Upgrading from SAP Access Control 10.0/10.1 to SAP Access Control 12.0 is a same-box upgrade process. To perform a system upgrade, complete the following steps.

i Note
ABAP Add-ons can be installed via STACK.XML either with SUM or with SAINT only.

Procedure

Complete the following tasks on the SAP Access Control component system:

1. Close all open workflow instances and all open survey instances.
2. Back up the AC 10.0 /10.1 system.
3. Delete all Datamart data. (if applicable)
4. Upgrade the SAP Access Control system to SAP NetWeaver version 7.52 SP00 (or higher).
5. Install the GRC 12.0 component GRCFND_A_V1200 and the latest SAP Access Control support packages.
6. Back up the system again.
7. (optional) Activate the latest BC sets.

i Note
The latest BC set will overwrite any previous BC set in your system. To ensure the existing BC sets are not overwritten, choose the option *DO NOT OVERWRITE DEFAULTS VALUES*.

8. Perform configuration for new and optional SAP Access Control 12.0 features.
9. Refill the Datamart. (if applicable)
10. (If you are using the SAP Portal) Upgrade the SAP NetWeaver Portal to 7.0 EHP 2 SP06 or higher.
    Deploy the GRC 12.0 Portal package GRC_POR.
    And assign GRC users the portal roles *GRC Suite* and *ERP Common*.
11. On the plug-in systems, deploy the GRC12.0 Plug-in (RTA) package for SAP Access Control 12.0.
    To determine the GRC Plug-in package version for your ERP/NW releases, see SAP note: 1352498 - Support Pack Numbering - GRC Access Control.

i Note
The GRC NW plug-ins are required to be installed before installation of the respective GRC ERP plug-ins.
12. Use transaction SICF to activate NWBC and Web Dynpro services beginning with the `grpc` and `grfn`, at `/default host/sap/bc/nwbc`. `/sap/public/` `/sap/bc`.
7 Post-Upgrade Tasks

After completing the upgrade, you must perform the following list of post-upgrade tasks:

- Adjust the SAP NetWeaver Portal system aliases (if applicable)
- Add NWBC role to users
- Adjust the PFCG model roles
- Activate new Business Configuration (BC) sets
- Adjust the customer menu link (if applicable)
- Resubmit open workflow items

7.1 Adjust Portal System Aliases

For SAP Access Control system aliases, use aliases SAP~GRC (foundation application) and SAP~GRC-AC.

7.2 Add NWBC Role to Users

If you want to launch SAP Business Client (NWBC) using SAP GUI, you need to assign users the role SAP_GRC_NWBC using transaction SU01.

7.3 Adjusting PFCG Model Roles

Use

The delivered SAP Access Control 12.0 model roles are templates. You can use them to create your own access control roles. Ensure the you roles you use for access control contain the authority of display regulation. To do so, follow the procedure below to update the authorization object GRFN_API:

iNote

The authorization object GRFN_API is applicable for access control, process control, and risk management solutions.
Procedure

1. Log on to the ABAP server for SAP Access Control 12.0.
2. Enter the transaction PFCG.
   The Role Maintenance screen appears.
3. In the Role field, enter the role ID of a custom model role. Click Change.
   The Change Role screen appears.
4. Click the Authorizations tab.
5. Click Change Authorization Data and then click Enter.
   The Change Role: Authorizations screen appears.
   The dialog box Manual selection of authorizations appears.
7. Enter the Authorization Object GRFN_API and click Enter.
8. Expand the hierarchy for Governance, Risk, and Compliance.
9. Expand the hierarchy for Authorization for access via GRC APIs.
10. Enter the following values in the first node of the expanded hierarchy:
    ○ Activity: 03 (display)
    ○ Data Part for GRC Object Types: * (asterisk)
    ○ Authorization Entity
      : REGULATION, REG_GROUP, REG_REQ
    ○ Subentity:* (asterisk)
11. Click Save.
12. Click Generate to update the authority profile of the role.

7.4 Activating Business Configuration (BC) Sets


7.5 Setting Up SAP Fiori Launchpad Content for Front-end System

The SAP Fiori Launchpad is a shell that hosts SAP Fiori apps, and provides the apps with services such as navigation, personalization, embedded support, and application configuration. SAP Access Control 12.0 SP00 delivers a set of SAP Fiori business catalogs that enable you to open the Web Dynpro Access Control applications in the launchpad.

This section describes the procedure to add the access control business catalogs to your launchpad. The procedure is relevant only for landscapes using SAP Fiori Launchpad.
The access control back-end component contains the technical catalog containing information about the tiles, which we call the app descriptors. The front-end component UIGRAC01 100 contains the business catalogs and business roles. We replicate the technical catalog from the back end into the front end to establish a connection between the technical catalog and the business catalog.

**Prerequisite**

You have installed the front-end component UIGRAC01 100. The component contains the business catalogs and business roles for SAP Access Control 12.0.

There are three main steps to configuring the business catalogs for access control:

1. Create RFC Connections
2. Map the RFC Connections
3. Replicate the Technical Catalog from the Back-end System

These steps are described in more detail in the sections below.

For additional information, see Implementation Tasks on the Front-end Server in the UI Technology Guide for S/4HANA.

**Create RFC Connections**

1. In the front-end system start transaction SM59.
2. Create two RFC connections: one of type ABAP Connection and one of type H – HTTP connection to ABAP System

   Use the following naming conventions:
   - ABAP connection: `<Logical System Alias>_RFC`
   - HTTP connection: `<Logical System Alias>_HTTP` or `<Logical System Alias>_HTTPS`

   → **Recommendation**

   We recommend using an HTTPS connection. Set the SSL option to **Active**.

   For the ABAP connection, set **Trusted Relationship** set to **Yes**, and set the **Current User** to **True**.

   For each connection, enter the **Target Host** under **Technical Settings**, and configure the settings under **Logon & Security**.

**Map the RFC Connections**

1. Open the maintenance view `/UI2/V_ALIASMAP`.
   Map the connections as follows:
Replicate the Technical Catalog from the Back-end System

1. Launch the report `/UI2/GET_APP_DESCR_REMOTE_DEV`.
2. Enter the following values:
   - Replication System Alias: SOHGRAC
   - Back-end Technical Catalog ID: SAP_TC_GRC_AC_BE_APPS
3. Select the Test Mode, and choose Execute to test the configuration. The catalogs are not be replicated in test mode. A log is displayed showing the results.
4. If the log does not contain any errors, deselect Test Mode and choose Execute to replicate the business catalogs.

→ Recommendation
We recommend scheduling the report to run daily. As the report needs to run after every system update, scheduling the report to run daily ensures that you have up-to-date information in the SAP Fiori launchpad designer.

7.5.1 Business Catalogs and Roles for the Fiori Launchpad

The following business catalogs and business roles are delivered as part of the front-end component UIGRAC01 100.

Delivered Business Catalog Roles

Depending on your business requirement you can assign the following delivered roles to your users:

<table>
<thead>
<tr>
<th>Delivered Business Catalog Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAP_GRAC_BCR_CMPLNCMGR_T</td>
<td>Compliance Manager</td>
</tr>
<tr>
<td>SAP_GRAC_BCR_EMPLOYEE_T</td>
<td>Access Control Employee</td>
</tr>
</tbody>
</table>
Delivered Business Catalog Role | Description
--- | ---
SAP_GRAC_BCR_MANAGER_T | Request Approver
SAP_GRAC_BCR_REQADMINTR_T | Access Control Administrator
SAP_GRAC_BCR_SCRTYMGRT | Security Manager

Delivered Business Catalogs

These are the corresponding delivered business catalogs.

Delivered Business Catalog Role | Description
--- | ---
SAP_GRAC_BCR_CMPLNCMGR_T | Compliance Manager
SAP_GRAC_BCR_EMPLOYEE_T | Access Control Employee
SAP_GRAC_BCR_MANAGER_T | Request Approver
SAP_GRAC_BCR_REQADMINTR_T | Access Control Administrator
SAP_GRAC_BCR_SCRTYMGRT | Security Manager

7.6 Run Role Name Conversion Program

Customers may use varied standards when naming roles in their landscape. This may result in failed role searches when submitting access requests. The below program is used to convert roles into upper case to improve search.

Run the GRAC_ROLE_NAME_SH_CONVERSION program to improve search capabilities and resolve potential issues from role name mismatch.

7.7 Implement SAP Note: 2641804

After installation or upgrade you may need to refresh the CDS configuration.

Symptoms may include Fiori Launchpad or applications via NWBC taking a long time to open or the session timing out.

To resolve the issue, implement SAP Note 2641804.
7.8 Configuring the SAP NetWeaver Gateway

Use

In order to use some of the functionality in SAP Access Control 12.0, such as the Remediation View in access risk analysis, an SAP NetWeaver Gateway connection must be established. Follow these steps to maintain or verify the connector.

Procedure

1. Logon to an SAP NetWeaver system and access the SAP Reference IMG as follows: from the SAP Easy Access menu, choose Tools > Customizing > IMG > Execute Project (transaction SPRO).  
2. Choose SAP Reference IMG > SAP NetWeaver > Gateway > OData Channel > Configuration > Connection Settings > SAP NetWeaver Gateway to SAP System.  
3. Choose Manage RFC Destinations and create an RFC (communication) destination that points to the system itself.

⚠ Caution
Be sure to specify the proper RFC Type, client, and user information using the naming convention: <System SID>CLNT<Client Number>; for example, GD1CLNT200.

4. If you are using Single-Signon, choose Define Trust for SAP Business Systems. Complete the fields with information you provided in the Step 3.

ℹ️ Note
This step only applies if you are using Single-Signon.

5. Choose Manage SAP System Aliases to create the system alias for the RFC destination that you created in Step 3.
6. Choose New Entries and enter the following values:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>What You Enter</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAP System Alias</td>
<td>Enter the name of the RFC destination that you created in Step 3.</td>
</tr>
<tr>
<td>Description</td>
<td>Enter a description that is meaningful to your installation.</td>
</tr>
</tbody>
</table>
### Field Name | What You Enter
--- | ---
RFC Destination | Enter the name of the RFC destination that you created in Step 3.
Software Version | Choose the value **DEFAULT** from the drop-down list.

7. **Save** your entries.
8. If required, choose **Activate or Deactivate SAP NetWeaver Gateway** to activate the SAP NetWeaver Gateway Services.
9. Choose **SAP NetWeaver > Gateway > OData Channel > Administration > General Settings**.
10. Choose **Activate and Maintain Services**. The system displays a list of all the services that have been created in the backend system.
11. Click to select the **Technical Service** GRAC_GW_VIOLSUMM_REM_SRV.
12. In the **System Aliases** section (bottom right-hand corner), click **Add System Alias**.
13. Enter **GRAC_GW_VIOLSUMM_REM_SRV_0001** as the **Service Doc. Identifier**.
14. For the **SAP System Alias**, enter the system alias name that you created in Step 6.
15. Click the check box for **Default System**.
16. **Save** your entries.
17. On the **Activate and Maintain Services** screen, in the ICF Node section (bottom left-hand corner), verify that the traffic light in front of the ICF Node is green. If it is not, click the ICF Node field and select **Activate** from the ICF Node dropdown menu.
18. If required, **Save** your settings.
19. On the **Activate and Maintain Services** screen, repeat steps 11 through 18 for the following services:

<table>
<thead>
<tr>
<th>Technical Service Name</th>
<th>External Service Name</th>
<th>Service Doc Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>/IWFND/SG_MED_CATALOG</td>
<td>CATALOGSERVICE</td>
<td>/IWFND/SG_MED_CATALOG_0001</td>
</tr>
<tr>
<td>/IWFND/SG_USER_SERVICE</td>
<td>USERSERVICE</td>
<td>/IWFND/SG_USER_SERVICE_000</td>
</tr>
</tbody>
</table>

### More Information

For more information, see the SAP Help portal at [http://help.sap.com](http://help.sap.com) and search for: **SAP NetWeaver Gateway Developer Guide**. Then choose **OData Channel > Basic Features > Service Life-Cycle > Activate and Maintain Services**.
7.9 Adjusting Customer Menu Links

Use

If you have any custom menus, make the necessary adjustments.

More Information

For more information about custom menus, see the SAP Help Portal at http://help.sap.com/saphelp_bpc75/helpdata/en/3b/b5df48130f44fb8e9537701f09c960/frameset.htm.

7.10 Resubmit Open Workflow Items

Use

If you had any open workflow items before the upgrade, make sure that you restart any items that were not completed.
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