



UPGRADE GUIDE | PUBLIC

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# Upgrade: SAP Access Control 10.0/10.1 to 12.0

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# 1 Document History

Version	Date	Description
1.0.0	2018-03-28	Initial release
1.1.0	2018-04-24	Revised to clarify the information and procedures are also applicable to upgrade from SAP Access Control 10.0.
1.1.1	2018-05-23	Updated description for BC Set.
1.1.2	2018-06-13	Clarified procedure for System Upgrade.
1.2.0	2018-08-03	Added topic: Support Pack Numbering and Compatibility
1.3.0	2018-08-15	Updated System Upgrade section. Replaced specific mention of plug-ins with references to relevant SAP notes.  Added Technical Product Overview section.  Updated procedure to setup Fiori business catalogs
1.3.1	2018-08-28	Corrected typo for front-end component: UIGRC001 to UIGRAC01
1.3.2	2018-010-12	Added SP02 Master SAP Note  Added SP information for GRC 10.1 Plug-ins  Updated component diagram  Updated Prerequisites to include minimum SP level for upgrade from AC10.1

## 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>

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

- Platform availability, including database platforms and operating systems

For more information, see [Product Availability Matrix](#) for [SAP Access Control 12.0](#).

## 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.

Note Number	Note Description
<a href="#">2620641</a>	SAP Access Control 12.0 - Release Information Note
<a href="#">2622112</a>	Access Control 12.0 Support Package 01 - Master Note
<a href="#">2663021</a>	SAP Access Control 12 SP02 Master Note
<a href="#">2647067</a>	Release Information Note for UI component for SAP Access Control 12.0.
<a href="#">2602131</a>	Release strategy and Maintenance Information for the ABAP add-on GRCFND_A V1200
<a href="#">2612335</a>	Release strategy and Maintenance Information for the ABAP add-on GRCFND_A V8100
<a href="#">2602825</a>	Release strategy and Maintenance Information for the ABAP add-on GRCPERP V1200_S4
<a href="#">2602564</a>	Release strategy and Maintenance Information for the ABAP add-on GRCPINW V1200_750
<a href="#">986996</a>	Explanation of delivered risk analysis and remediation rules.

Note Number	Note Description
<a href="#">2641804</a>	<p>ESH: Accesses to search-related metadata take a long time:</p> <p>Symptoms may include long response time or even timing out when opening NWBC, Enterprise Portal, or Fiori Launchpad.</p>
<a href="#">2672441</a>	<p><b>AC12 IMG Additional Documentation</b></p> <p>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.</p>

## 2.5 SAP Fiori Apps

For more information about available SAP Fiori apps for access control, see *SAP Fiori 1.0 for SAP solutions for GRC* on the SAP Access Control product page: <http://help.sap.com/grc-ac>.

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:

Required or Optional	Component/Version	Description
Required	SAP NetWeaver 7.52 SP00	Foundation application layer on GRC system
Required	SAP Access Control 12.0 SP00	Access control application on GRC system
Optional	UIGRAC01 100	SAP Fiori UI component on frontend system
Optional	SAP 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 plug-in components for target systems.

#### i Note

For the most updated information on plug-ins and support pack levels, see SAP note: [1352498](#) - *Support Pack Numbering GRC Access Control*.

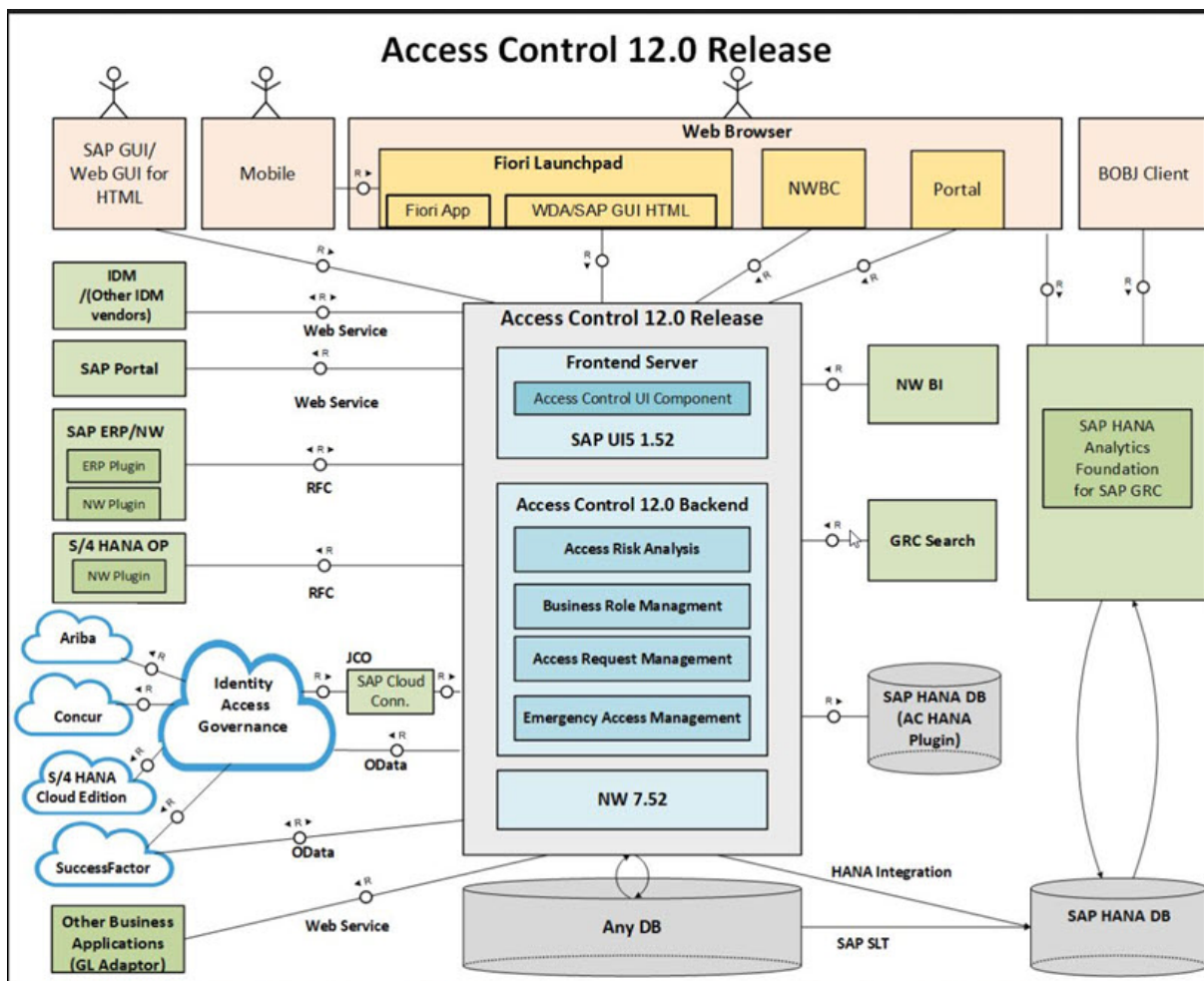
Required or Optional	Component	Version	Description
Optional	GRCPINW V1200_750	SAP GRC PLUGIN NW 7.50	Access control integration with ERP non-HR functions for NW 7.50
Optional	GRCPIERP V1200_S4	SAP GRC PLUGIN S4HANA 1610+	Access control integration with S4HANA/ERP HR functions
Optional	GRCPIERP V1100_700	SAP GRC 10.1 SP20 Plug-in ERP 7.00	Access control integration with ERP HR functions

Required or Optional	Component	Version	Description
Optional	GRCPINW V1100_710	SAP GRC 10.1 SP21 Plug-in NW 7.10	Access control integration with ERP non-HR functions for NW 7.10
Optional	GRC 10.1 Java Components	SAP GRC AC Portal Plug-in	Portal integration for back-end systems.
			<b>i Note</b> There is no Portal plug-in for AC12, therefore use the GRC 10.1 plug-in.
Optional	HCO_GRC_PI	SAP GRC 10.1 Plug-in for HANA	SAP GRC 10.1 Plug-in for HANA
			<b>i Note</b>

## 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 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.

#### i Note

For more information, see the product availability matrix posted <https://support.sap.com/en/release-upgrade-maintenance.html>.

### Procedure

To install the application, use the steps described below.

Step	Required/ Optional	Action	Reference
1	Required	Install NetWeaver 7.52 SP00 on the GRC system	<a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">https://help.sap.com/viewer/p/SAP_NETWEAVER</a>
2	Required	Install GRCPINW V1200: Add-on Installation on the GRC system	For more information, see SAP Note: <a href="#">2602131</a>
3	Required	Install SAP Access Control 12.0 NetWeaver Plug-In (GRCPINW V1200_750 SP21) on the Plug-in system	For more information, see SAP Note: <a href="#">2602564</a>
4	Optional	Install SAP Access Control ERP Plug-In on the Plug-In system (GRCPERP V1100_700 SP20)	For more information, see SAP Note <a href="#">1855405</a>  If SAP HR is installed, you must install GRCPERP.
5	Optional	Install SAP GRC PLUGIN for S4HANA 1610+ (GRCPERP V1200_S4)	For more information, see SAP Note: <a href="#">2602825</a>

Step	Required/ Optional	Action	Reference
6	Optional	Install SAP Enterprise Portal 7.x	<a href="https://help.sap.com/viewer/p/SAP_NETWEAVER">https://help.sap.com/viewer/p/SAP_NETWEAVER</a>

# 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:

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

Additional Rule Upload	▶ Governance, Risk, and Compliance ▶ Access Control ▶ Access Risk Analysis ▶ SoD Rules ▶ Additional
Additional Rules Download	▶ Governance, Risk, and Compliance ▶ Access Control ▶ Access Risk Analysis ▶ SoD Rules ▶ Additional
Organization Rule Creation Wizard	▶ Governance, Risk, and Compliance ▶ Access Control ▶ Access Risk Analysis ▶ SoD Rules ▶ Organization Rule Creation Wizard ▶
Configure Attributes for Role Search Criteria in Access Requests	▶ Governance, Risk, and Compliance ▶ Access Control ▶ User Provisioning ▶ Configure Attributes for Role Search Criteria in Access Requests ▶

## More Information

- For more information about configuration, see the *Configuration Parameters Guide Control* at [https://help.sap.com/viewer/p/SAP\\_ACCESS\\_CONTROL](https://help.sap.com/viewer/p/SAP_ACCESS_CONTROL).
- For more information about each IMG activity, see the IMG documentation that accompanies each IMG activity.

## 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.

BC Set Name	Description
GRAC_RA_RULESET_S4HANA_ALL	Rule set for risk analysis integration with Fiori Apps on S/4HANA on-premise systems.

For an explanation of delivered risk analysis and remediation rules, see [986996](#).

For more information about activating BC sets, see the Administrator Guide for SAP Access Control 12.0 at [https://help.sap.com/viewer/p/SAP\\_ACCESS\\_CONTROL](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 Prerequisites

## Use

The following are required for upgrade to AC 12.0.

- SAP NetWeaver 7.52 SP00
- For direct upgrade of AC 10.1 to AC12 SP01 or SP02, the AC10.1 must be at the following SP levels:

Minimum Required 10.1 SP Level	To Upgrade to AC12.0
SAP AC 10.1 SP20	SAP AC 12.0 SP01
SAP AC 10.1 SP21	SAP AC 12.0 SP02

## More Information

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

# 6 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.



# 7 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 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`.

# 8 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

## 8.1 Adjust Portal System Aliases

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

## 8.2 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`.

## 8.3 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`:

#### i Note

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.
6. Click *Manual Entry of Authorization Objects*.  
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.

## 8.4 Activating Business Configuration (BC) Sets

For information about Business Configuration Sets, see the Administrator Guide at <https://help.sap.com/grc-ac>.

## 8.5 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`.
2. Map the connections in table: `/UI2/SYSALIASMAP` .  
Map the connections as follows:

Client	Source System Alias	Target System Alias
<Your Front-end Client>	SOHGRAC	<Logical System Alias>

## 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.

## 8.5.1 Business Catalogs and Roles for the Fiori Launchpad

The following business catalogs and business roles are delivered as part of the front-end component `UIGRAC01100`.

### Delivered Business Catalog Roles

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

#### i Note

These roles are examples. You can copy them to your own namespace or create your own.

Delivered Business Catalog Role	Description
<code>SAP_GRAC_BCR_CMPLNCMGR_T</code>	Compliance Manager
<code>SAP_GRAC_BCR_EMPLOYEE_T</code>	Access Control Employee

Delivered Business Catalog Role	Description
SAP_GRAC_BCR_MANAGER_T	Request Approver
SAP_GRAC_BCR_REQADMINTR_T	Access Control Administrator
SAP_GRAC_BCR_SCRTYMGR_T	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_SCRTYMGR_T	Security Manager

## 8.6 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.

## 8.7 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](#).

## 8.8 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.

#### i 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:

Field Name	What You Enter
SAP System Alias	Enter the name of the RFC destination that you created in Step 3.
Description	Enter a description that is meaningful to your installation.



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 <code>DEFAULT</code> 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:

Technical Service Name	External Service Name	Service Doc Identifier
/IWFND/SG_MED_CATALOG	CATALOGSERVICE	/IWFND/SG_MED_CATALOG_0001
/IWFND/SG_USER_SERVICE	USERSERVICE	/IWFND/SG_USER_SERVICE_000

## More Information

For more information, see the SAP Help portal at <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](#).

## 8.9 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](http://help.sap.com/saphelp_bpc75/helpdata/en/3b/b5df48130f44fb8e9537701f09c960/frameset.htm).

## 8.10 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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