Migration Guide
SAP Access Control from 4.0/5.3 to 10.1

Target Audience
- Technology Consultants
- System Administrators
- Solution Consultants
- Business Process Owners
- Support Specialists

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Documentation in the SAP Service Marketplace

You can find this documentation at the following address: http://help.sap.com/grc
# Typographic Conventions

<table>
<thead>
<tr>
<th>Type Style</th>
<th>Represents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example Text</td>
<td>Words or characters that appear on the screen. These include field names, screen titles, pushbuttons as well as menu names, paths and options.</td>
</tr>
<tr>
<td></td>
<td>Cross-references to other documentation</td>
</tr>
<tr>
<td>Example text</td>
<td>Emphasized words or phrases in body text, titles of graphics and tables</td>
</tr>
<tr>
<td>EXAMPLE TEXT</td>
<td>Names of elements in the system. These include report names, program names, transaction codes, table names, and individual key words of a programming language, when surrounded by body text, for example, SELECT and INCLUDE.</td>
</tr>
<tr>
<td>Example text</td>
<td>Screen output. This includes file and directory names and their paths, messages, names of variables and parameters, source code as well as names of installation, upgrade and database tools.</td>
</tr>
<tr>
<td>Example text</td>
<td>Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.</td>
</tr>
<tr>
<td>&lt;Example text&gt;</td>
<td>Variable user entry. Pointed brackets indicate that you replace these words and characters with appropriate entries.</td>
</tr>
<tr>
<td>EXAMPLE TEXT</td>
<td>Keys on the keyboard, for example, function keys (such as F2) or the ENTER key.</td>
</tr>
</tbody>
</table>

### Icons

<table>
<thead>
<tr>
<th>Icon</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>!</td>
<td>Caution</td>
</tr>
<tr>
<td>☰</td>
<td>Example</td>
</tr>
<tr>
<td>☐</td>
<td>Note</td>
</tr>
<tr>
<td>📚</td>
<td>Recommendation</td>
</tr>
<tr>
<td>⌨</td>
<td>Syntax</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------</td>
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<td>10. Supported AC 4.0 Objects</td>
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<td>12. Unsupported Objects and Components</td>
<td>59</td>
</tr>
</tbody>
</table>
1. Getting Started

This guide is for customers currently using SAP Access Control 4.0 or Access Control 5.3 who need to migrate data to SAP Access Control (AC) 10.1. Access Control data migration offers the following capabilities:

- Data export of Compliance Calibrator (CC) and Firefighter (FF) data from AC 4.0 (ABAP)
- Data export of Superuser Privilege Management (SPM) data from AC 5.3 (ABAP)
- Data export of Compliant User Provisioning (CUP), Risk Analysis & Remediation (RAR), and Enterprise Role Management (ERM) data from AC 5.3 (Java)
- Data import into Access Control 10.1

Note: Access Control 10.0 customers only need to upgrade their software. No data migration is needed. For more information, see the SAP Access Control 10.0 to 10.1 Upgrade Guide at http://help.sap.com/grc-ac.

AC 10.0 featured a transition to the ABAP platform (from ABAP and Java used with AC 5.3). Therefore, migration of data involves an automated process with certain manual steps.

Only supported data objects are exported. For more information, refer to the following sections: Supported AC 4.0 Objects and Supported AC 5.3 Objects.

1.1 Document History

Verify you have the latest version of the Migration Guide by checking http://help.sap.com/grc-ac before you begin the migration process.

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>June 2013</td>
<td>Initial release</td>
</tr>
</tbody>
</table>

1.2 About this Guide

This guide describes how to migrate applicable data from AC 4.0 and AC 5.3 to AC 10.1. The document describes the following:

- Data Migration Process
- Exporting AC 4.0 data
- Exporting AC 5.3 data
- Importing data into AC 10.1
- Supported AC 4.0 and AC 5.3 objects
- Unsupported objects and components
This guide is a stand-alone document. Note the following:

- This guide provides business use cases as examples on how you can use SAP software. These examples are intended to serve as models and might not run the way they are described here in your customer-specific landscape.

- This guide discusses the migration process from AC 4.0 and AC 5.3 to AC 10.1. Any attempt to use this guide for other product versions is not supported.

This guide is not intended for the following uses:


- Upgrading from Access Control 10.0 to 10.1. For more information, see the SAP Access Control 10.0 to 10.1 Upgrade Guide at http://help.sap.com/grc-ac.


1.3 Audience for this Guide

This guide is intended for system administrators, solution and technology consultants, business process owners, and support specialists involved in the process of migrating data from AC 4.0 or AC 5.3 to AC 10.1.

This guide requires you to know how to use AC 5.3 Java-based applications, the ABAP-based SPM application, and AC 10.1 ABAP-based applications.
2. Exploring the Technical System Landscape

A Governance, Risk, and Compliance (GRC) 10.1 system landscape consists of the GRC system, Enterprise Portal system, and Adobe Document Server. The GRC system typically integrates with the ERP system to perform services such as Continuous Control Monitoring or Segregation of Duties (SoD) analysis. Optionally, there can be other systems such as the SAP NetWeaver BI system, as well as third-party solutions. For an illustration of the system landscape, refer to the SAP Access Control 10.1 Master Guide at http://help.sap.com/grc-ac.

Note
Due to a technology shift to the ABAP stack, AC 10.1 does not support the following AC 5.3 interfaces for GRC BI Content integration:
- SAP AC 5.3 BW Data Source, based on Universal Data Connect (UD Connect)
- SAP AC 5.3 data mart.

Access Control 10.1 uses interfaces based on the SAP R/3 BW Data Source Enhancement.

The following diagram illustrates the AC 10.1 migration architecture:

Note
If you need to migrate data from all three GRC applications to GRC 10.1, upgrade Process Control and Risk Management first, and then migrate the Access Control data.
3. Exploring the Data Migration Process

This section describes the data migration process from AC 4.0 and AC 5.3 to AC 10.1.

![Diagram of data migration process]

Figure 3-1
The following describes the data migration process:

1. **Complete the prerequisites.** For more information, see section 4.0 *Understanding the Prerequisites.*

2. **Export the RAR and SPM data (AC 4.0) or export the SPM data (AC 5.3),** and then copy the exported data to the import location. For more information, see section 5. *Exporting AC 4.0 (RAR/SPM) and AC 5.3 (SPM) Data.*

3. **Export the configuration, master, and transactional data (AC 5.3 only).** Then copy the exported data to the import location. For more information, see section 6.4 *Exporting the Configuration and Master Data* and section 6.5 *Exporting the Transactional Data.*

4. **Import the common configuration data into AC 10.1.** For more information, see section 7.1 *Importing the Data.*

5. **Complete the intra-migration tasks.** For more information, see section 7.2 *Completing Intra-Migration Tasks.*

6. **Import the application data into AC 10.1.**

7. **Complete the post-import tasks.** For more information, see section 8. *Completing Post-Import Tasks.*

8. **Validate the data.** For more information, see section 9. *Validating the Data.*

**Note:** The naming of the functionality has changed. Refer to the following chart for the updated terms after you migrate your data.

<table>
<thead>
<tr>
<th>Previous Versions</th>
<th>Access Control 5.3</th>
<th>Access Control 10.0/10.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance Calibrator (CC)</td>
<td>Risk Analysis &amp; Remediation (RAR)</td>
<td>Access Risk Management (ARA)</td>
</tr>
<tr>
<td>Virsa Access Enforcer</td>
<td>Compliant User Provisioning (CUP)</td>
<td>Access Request (ARQ)</td>
</tr>
<tr>
<td>Virsa Role Expert</td>
<td>Enterprise Role Management (ERM)</td>
<td>Business Role Management (BRM)</td>
</tr>
<tr>
<td>Virsa Firefighter (FF)</td>
<td>Superuser Privilege Management (SPM)</td>
<td>Emergency Access Management (EAM)</td>
</tr>
</tbody>
</table>
4. Understanding the Prerequisites

This section describes the prerequisites for migrating AC 4.0 and AC 5.3 data to AC 10.1.

4.1 AC 4.0 to AC 10.1 Prerequisites

This section describes the prerequisites for migrating AC 4.0 data to AC 10.1.

1. Verify the AC10.1 system is properly installed. This includes the AC 10.1 plug-ins on all back-end systems. For more information, see the SAP Access Control 10.1 / Process Control 10.1 / Risk Management 10.1 Installation Guide at http://help.sap.com/grc-ac.

2. Verify that the following default configuration parameter is maintained:

<table>
<thead>
<tr>
<th>Parm Group</th>
<th>Param ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Access Management</td>
<td>4000</td>
<td>Application Type</td>
</tr>
</tbody>
</table>

3. Specify a dedicated data export/import directory accessible from both AC 4.0 and AC 10.1 systems.

4.2 AC 5.3 to AC 10.1 Prerequisites

This section describes the prerequisites for migrating AC 5.3 data to AC 10.1.

Procedure

1. Verify the AC10.1 system is properly installed. This includes the AC 10.1 plug-ins on all back-end systems. For more information, see the SAP Access Control 10.1 / Process Control 10.1 / Risk Management 10.1 Installation Guide at http://help.sap.com/grc-ac.

2. Upgrade the AC 5.x application to AC 5.3 SP 20.

3. Verify that all applicable Business Configuration (BC) sets are activated:

   For CUP roles, activate the GRAC_ROLE_MGMT_ROLE_STATUS and GRAC_ROLE_MGMT_METHODOLOGY BC sets.

   For ERM roles, activate the GRAC_ROLE_MGMT_LANDSCAPE BC set.

Note

Do not activate the GRC_MSMP_CONFIGURATION BC set before completing the data migration process. You need to activate this BC set after migrating the data.
4. Verify that the following default configuration parameters are maintained:

<table>
<thead>
<tr>
<th>Parm Group</th>
<th>Param ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Role Management</td>
<td>3000</td>
<td>Default Business Process</td>
</tr>
<tr>
<td>Role Management</td>
<td>3001</td>
<td>Default Subprocess</td>
</tr>
<tr>
<td>Role Management</td>
<td>3002</td>
<td>Default Critical Level</td>
</tr>
<tr>
<td>Role Management</td>
<td>3003</td>
<td>Default Project Release</td>
</tr>
<tr>
<td>Role Management</td>
<td>3004</td>
<td>Default Role Status</td>
</tr>
<tr>
<td>Emergency Access</td>
<td>4000</td>
<td>Application Type</td>
</tr>
</tbody>
</table>

5. Create all relevant AC 10.1 users on the target system.

6. Before migrating CUP and ERM data, manually create all AC 5.3 custom fields in AC 10.1 using SAP custom field naming conventions.

In AC 10.1, start field names with x, y, or z. For example if the AC 5.3 custom field name is location, use zlocation as the new custom field name to preserve the data it contains.

Note
You need to also add the x, y or z prefix during export (using transformations) to the AC 5.3 custom field names to map it to AC 10.1 custom field names.

7. Specify a dedicated data export/import directory accessible from both AC 5.3 and AC 10.1 systems.

### 4.3 Downloading the Migration Tool

To migrate data from the previous versions of Access Control, you need to download the Migration tool. To do this:

1. Go to the SAP Software Download Center at service.sap.com/swdc.
2. Under Support Packages and Patches (on the left-hand side), select Browse our Download Catalog.
4. Select SAP GRC Access Control.
5. Underneath that, select SAP Access Control.
7. Select Entry by Component.
8. Select AC Migration Tool.
9. Select SAP GRC AC Migration 10.0. Within this file, you will find the GRCACMIGxx_x.sca file. You will deploy this file in your GRC AC 5.3 Java Server.

Note
Although the tool is called Migration 10.0, you will now use it to upgrade your system to Access Control 10.1.
4.4 Installing the Migration Tool

The migration tool is installed using the Software Update Manager (SUM). The previous tool, Java Support Package Manager (JSPM) has been replaced in NetWeaver 7.3 by SUM. For more information about SUM, see the following:

- [https://scn.sap.com/docs/DOC-25113](https://scn.sap.com/docs/DOC-25113)

4.5 Creating the Organization Unit

You need to create an Organization Unit to import RAR application data.

Procedure

1. Execute transaction SPRO. The SAP Reference IMG window appears.
2. To create the root organization, navigate to Governance, Risk, and Compliance > Shared Master Data Settings > Create Root Orgs Hierarchy.
3. Choose Standard Hierarchy View (002) to display the Organization View.
4. Type values in the Root Organizational Unit and Child Organizational Unit field.
5. Choose Execute.
7. Search for the organization name you created earlier to determine the ID number of the organization.

Note

Always use the Child Organizational Unit ID to import RAR application data.

5. Exporting AC 4.0 (RAR/SPM) and AC 5.3 (SPM) Data

This section describes the AC 4.0 and AC 5.3 Data Export Program to export RAR and SPM data from AC 4.0 and SPM data from AC 5.3. The export process formats the data to ensure that it is compatible with corresponding AC 10.1 tables, and creates all files to store the exported data.

Procedure

1. Log on to the backend system (system on which the Access Control 10.1 plug-ins are installed) to update an existing AC 4.0 or AC 5.3 environment.
2. Execute transaction /GRCPI/AC_EXPORT.
The AC 4.0 and AC 5.3 Data Export program screen appears.

![AC 4.0 (RAR and SPM) and AC 5.3 (SPM) Data Export program screen](image)

**Figure 5-1**

3. Enter data in the following fields (all fields are required):

<table>
<thead>
<tr>
<th>Section</th>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selection Criteria</td>
<td>System ID</td>
<td>The name of the RFC destination or target connector (that you create using transaction SM59 on the AC 10.1 system).</td>
</tr>
<tr>
<td></td>
<td>File Path</td>
<td>The location of the output file. This must be a local location on the system (not a network folder). Also, the destination folder must have read and write permissions for files to export.</td>
</tr>
<tr>
<td>Select Application Data for Export</td>
<td>Compliance Calibrator (RAR)</td>
<td>Select the application: RAR, SPM, or both. You cannot select RAR when exporting AC 5.3 data.</td>
</tr>
<tr>
<td></td>
<td>Fire Fighter (SPM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Default Rule Set ID</td>
<td>A custom name. The default value is GLOBAL.</td>
</tr>
</tbody>
</table>
4. Choose *Execute*.

The program displays the output summary, and creates all files in the location specified in the *File Path* field.

**Note**

When exporting SPM data, the AC 4.0 and AC 5.3 Data Export Program creates a file called *OWNERdata.dat*. However, the program also creates a similarly-named file for the owner data in the RAR application.

Therefore, you need to import the SPM data in append mode to avoid overwriting the previous application data in the *OWNERdata.dat* file.

This completes the data export process for AC 4.0. This completes the first step of the data export process for AC 5.3.

#### 5.1 Copying Exported Data to the Import Location

Copy (or FTP) the exported data files to a local folder on the server on which AC 10.1 is deployed.
6. Exporting AC 5.3 (CUP/RAR/ERM) Data

This section describes how to use the Data Export Application, available in SAP solutions for GRC 10.1, to export CUP, RAR, and ERM data from AC 5.3. The export process automatically formats the data to ensure that it is compatible with corresponding AC 10.1 tables, and creates all files to store the exported data.

6.1 Exploring the Application Features

The SAP solutions for GRC Data Export Application enables you to export configuration and master data from AC 5.3, applying filters and transforming the data before exporting, as required. You can also upload a data export configuration, reset the application configuration to default settings, and manage custom filter and transform variants, as necessary. The figure below shows the main screen of the Data Export Application.

Note

Although it is labeled GRC 10.0 Data Export Application, you will now use it to upgrade your system to Access Control 10.1.
The data export application features the following principal sections:

- **Administration**
  
  This section allows you to manage customizations and application variants, reset any application customizations, and configure the export location. Specifically, you can do the following:
  
  - Optionally, upload a configuration file for the export application. This allows you to export custom fields from your AC 5.3 environment.
  - Set the data export location.
  - Reset any custom configurations applied to the application, reverting it back to default settings. You can do this to reset any filters or transformations that you have set.
  - Manage variants (filters and transformation settings) by loading or deleting variants from the application configuration.

- **Data Export**
  
  This section allows you to manage the data to be exported. Specifically, you can do the following:
  
  - Export AC 5.3 configuration and master data
  - Export AC 5.3 transactional data

- **Reports**
  
  This section enables you to export your customizations of the application, as a data file. Specifically, you can do the following:
  
  - Export the configuration data
  - Export the master data file
  - Export the transaction data file

### 6.2 Starting the Data Export Process

This section describes how to start the AC 5.3 data export process.

**Procedure**

1. Launch the GRC 10.1 Data Export Application using the following URL, where `<servername>` and `<instance>` represent the server name and instance in your environment:

   \[\text{http://<servername>:5<instance>00/webdynpro/dispatcher/sap.com/grc~acmigapl/}\]

   \[\text{GRC2010Migration}\]

2. Log on to the application using your user ID and password.

   The user ID must be assigned the Administrator role.
6.3 Setting the Data Export Location

This section describes how to specify the location on the local system where the exported files are to be stored.

Procedure

1. In the Administration section, click Configure data export location.
2. Select the location for the date using the context menu (folder).

⚠️ The location must be local to the server on which the application is running.

3. Choose OK.

6.4 Exporting the Configuration and Master Data

You need to export the AC 5.3 configuration and master data. When exporting the data, you can select the objects you want to export and optionally apply filters and transformations before exporting.

Procedure

1. In the AC 5.3 Configuration and Master Data Export section, choose Data Export.
2. Select the objects you want to export, and click Next.

Optionally, you can select all objects by selecting the corresponding checkbox.

![Data Export](image)
3. To preview the data before exporting, choose the preview icon.

For large data sets, the application displays only the first 500 records. In this case, SAP recommends that you export the files first and preview the data by opening the exported files.

4. To apply a filter, choose the filter icon to the right of the corresponding object.

Select the Application, Column Name, Filter Type, and Filter Value. Select Copy to Dependents to copy the filter to dependents of the selected object. Note the following:

- Fields marked with asterisks * are mandatory.
- The Filter Type value can be Equal to, Not equal to, In, Not in, Like, and Not like (in relation to the filter value). Equal to performs an exact match, Like performs pattern matching using wildcard characters, and In compares against a list of values.

Note: You can paste the filter in child objects (dependents) if it applies to key parameters.

5. To modify the existing data, choose the Transform icon to the right of the corresponding object.

This allows you to remove or change values. For example, you might want to remove data in a description field.

In the Application and Column fields, choose values using the dropdown menus. In the Current Value field, enter the current value for the object; in the New Value field, enter the corresponding new value.

![Setup Transform for SAP Connectors](image)

**Figure 6-3**
Note

In AC 10.1, the maximum length of certain objects (such as Business Subprocess) is shorter than the corresponding object in AC 5.3. You can use the transform option to reduce the length of the data in these objects to comply with AC 10.1.

Also, when transforming an object, you need to manually transform other instances of the object used elsewhere in your environment.

6. To view the dependents of a component, choose the Dependents icon to the left of the corresponding component.

![Component Details for SAP Connectors](image.png)

Figure 6-4

7. Review your selection of components, filters, and transformations, and choose Next. Uncheck any filters or transformations that you do not want to apply to the component.
8. Perform a final review, and choose Next.

The progress bar shows the percentage of files exported, and the output data appears in the log window.

The export results are recorded in the Export Log table in the bottom pane.
Choose an exported file name, such as CONNECTORSdata.dat (for SAP Connectors), to open the exported data. You can also verify the exported data by examining the destination folder or using the export application itself.

If data is not available for any of the components, a no file created message appears in the Export File Name column (instead of the export file name).

### 6.5 Exporting the Transactional Data

You can optionally export the AC 5.3 transactional data. When exporting the data, you can select the objects you want to export and optionally apply filters and transformations before exporting.

**Note**

The transactional data is not imported into AC 10.1.

**Procedure**

1. In the AC 5.3 Transactional Data Export section, choose Data Export.
2. Select the objects you want to export, and click Next.

Optionally, you can select all objects by selecting the corresponding checkbox.

![Data Export](image-url)

*Figure 6-7*
3. To preview the data before exporting, choose the preview icon.

For large data sets, the application displays only the first 500 records. In this case, SAP recommends that you export the files first and preview the data by opening the exported files.

4. To apply a filter, choose the filter icon to the right of the corresponding object.

Select the Application, Column Name, Filter Type, and Filter Value. Select Copy to Dependents to copy the filter to dependents of the selected object. Note the following:

- Fields marked with asterisks * are mandatory.
- The Filter Type value can be Equal to, Not equal to, In, Not in, Like, and Not like (in relation to the filter value). Equal to performs an exact match, Like performs pattern matching using wildcard characters, and In compares against a list of values.

Note
You can paste the filter in child objects (dependents) if it applies to key parameters.

5. To modify the existing data, choose the Transform icon to the right of the corresponding object.

This allows you to remove or change values. For example, you might want to remove data in a description field. In the Application and Column fields, choose values using the dropdown menus.

In the Current Value field, enter the current value for the object. In the New Value field, enter the corresponding new value.

6. To view the dependents of a component, choose the Dependents icon to the left of the corresponding component.

7. Review your selection of components, filters, and transformations, and choose Next.

Clear any filters or transformations that you do not want to apply to the component.
8. Perform a final review, and choose Next.

The progress bar shows the percentage of files exported, and the output data appears in the log window.

The export results are recorded in the Export Log table in the bottom pane.

You have now completed the AC 5.3 data export process.
6.6 Copying Exported Data to the Import Location

Copy (or FTP) the exported data files to a local folder on the server on which AC 10.1 is deployed.

6.7 Reverting to the Default Configuration (Optional)

You can reset the application to the default configuration, removing any filters or transformations that you have defined. This is an optional step and not required to complete the export process.

Procedure

1. In the Administration section, choose Reset data export configuration.
2. Select the options you want reset.
3. Chose OK.

![Figure 6-10](image)

6.8 Managing Variants (Optional)

You can save your filter and transformation settings as a variant for later use. This allows you to save and view specific data exports that you performed earlier. You can further manage these variants, loading and deleting them.

Procedure

To save a variant

1. When selecting objects while performing a Data Export operation, define filters and data transformations.
2. Choose **Save Variants**. The **Save Variant** dialog appears.

![Data Export](image)

**Figure 6-11**

3. In the **Variant Name** field, enter a unique name.
4. In the **Description** field, enter a description of the filters and transformations being saved.
5. Choose **Save**.

**To load or delete a variant**

1. In the **Administration** section, choose **Manage Variants**.
2. To load a variant, select a variant and choose **Load**.

**Note**

Loading a variant removes your current data export location configuration. You need to specify the location again immediately after loading a variant. For more information, see 6.3 **Setting the Data Export Location**.

3. To remove a variant, select the variant and choose **Delete**.
You can optionally create an XML-formatted file containing the filters and transformation configuration. This is not required to complete the data export process.

Procedure

1. In the Reports section, choose Export Configuration Data, Export Master Data File, or Export Transaction Data File.
2. Choose the tab corresponding to the data you want to export.

   ![Tip]

   The data is exported as an (.xls) excel file.

3. Choose Export.

   The following shows the Export Configuration Data screen.
6.10 Uploading an Export Configuration (Optional)

You can upload an export configuration into the application, if required.

This is an optional step and not required to complete the data export process. The application comes with a default configuration.

Procedure

1. In the Administration section, choose Upload data export configuration.
2. Enter the file path for the XML-based configuration, or choose Browse to browse to the file location.
3. Choose OK.
7. Importing Data into AC 10.1

This section describes how to use the SAP solutions for GRC 10.1 Data Import Application to import data into Access Control 10.1.

7.1 Importing the Data

You can use the SAP solutions for GRC 10.1 Data Import Application to import the following data:

- Common configuration data
- RAR data (including Risk, Mitigation Control, Org Rule, and Business Unit data)
- Workflow data
- ERM Repository data
- CUP Repository data
- SPM data

Procedure

1. Log on to the SAP Access Control system.
2. Execute transaction GRAC_DATA_MIGRATION. The welcome screen appears.
3. Choose Start Process to start the import process.
4. Select the system from which to import the data, and click Next.

![Step 1: Select GRC Version](image)
Note

If you are importing data from a 4.6C system, select the 4.6C check box.

A screen appears allowing you to import the configuration data.

5. Enter the location for the configuration data from the previous system. Use UNIX-style directory names, such as /AC_MIGRATION, on both UNIX and Windows-based systems.

⚠️ The folder must contain files from the previously-specified system.

💡 You can skip this step if you have already imported the configuration data.

6. Choose Get Files. The configuration-related files for the system you selected earlier appears.

7. Choose the files to import by selecting the corresponding boxes to the left of the files.

⚠️ Files might be dependent, therefore, you need to select the parent file when selecting a dependent to import.

*Figure 7-2*
8. Choose *Submit*.
9. Choose *Import* to import the configuration data.

The results appear at the bottom of the screen.

10. Choose *Next*.

The *Select Process Type* screen appears.
7.2 Completing Intra-Migration Tasks

You need to complete the following tasks before importing the RAR, Workflow, ERM, CUP, and SPM application data.

- Maintain connectors and connector groups
- Perform repository synchronization for all defined connectors
- Maintain configuration settings
- Import roles for defined connectors (CUP Roles only)
- Create prerequisites (CUP Roles only)

7.2.1 Maintaining Connectors and Connector Groups

The migration process does not support non-SAP connectors and non-SAP systems for RAR and CUP application data. Similarly, the migration process does not support non-SAP landscapes and enterprises for ERM data. You need to manually maintain these connectors and connector groups after importing the common configuration using IMG.
Procedure

1. Execute transaction SPRO and choose SAP Reference IMG. The SAP Reference IMG window appears.

![RFC Destination screen]

4. Specify the connector details, and select Save.

You can optionally test the connector and remotely log on to target system.

**Note**

The migration process does not support the passwords of migrated connectors. You need to manually maintain these passwords to use the migrated connectors.

In Governance, Risk and Compliance > Common Component Settings > Integration Framework, choose Maintain Connectors and Connection Types. The Connection type definition screen appears.
5. Choose Define Connectors, and define the connector.
6. Choose Define Connector Groups, and define the connector group.
7. In Assign Connector Groups to Group Types, assign the group type to the group, and assign the connector to the connector group in Assign Connectors to Connector Group.

**Note**

ERM Groups do not have any visible connection type. Only connectors are visible. You cannot assign a connector to more than one ERM Group/Landscape.


Associate connectors to the related integration scenarios.

Maintain the connector settings.

11. Assign the application type to the connector group, and activate it. Assign actions for the defined connectors, and assign the default connector for each action (for each connector group).

Note

You need to maintain connector settings, assign actions to connectors, and define default connectors for each action for SAP connectors as well (using steps 9, 10, and 11 in this procedure).

7.2.2 Performing Repository Synchronization

After you have complete maintaining the connectors and connector groups, you need to perform repository synchronization.

Note

SAP recommends running the repository synchronizations in the background (Program > Execute in Background or press F9).

7.2.2.1 Performing Authorization Synchronization

Procedure

1. Execute transaction SPRO and choose SAP Reference IMG. The SAP Reference IMG window appears.
3. Type values in the Connector and Language fields, and run the authorization sync.
7.2.2.2 Performing Profile, Role, and User Synchronization

Procedure

1. Execute transaction SPRO and choose SAP Reference IMG. The SAP Reference IMG window appears.

3. Select the objects (Profile, Role, and User) you want to synchronize.
4. Type values in the Connector and Language fields, and run the repository object sync.

Note

You can run Profile Sync, Role Sync, and User Sync jobs either in incremental or full sync mode.

7.2.3 Maintaining Configuration Settings

The migration process does not support all configuration settings. Check the configuration settings in AC 10.1 to verify that the imported configuration matches your business scenario.
7.2.4 Importing Roles for Defined Connectors (CUP Roles Only)

Since AC 5.3 CUP Roles do not maintain either parent-child or master-derived role relationships, you need to import CUP roles from the back-end systems to bring these relationships into AC 10.1.

Procedure

- Execute transaction GRAC_ROLE_MASS_IMPRT to import roles to AC 10.1 for all defined connectors.

7.2.5 Creating Prerequisites (CUP Roles Only)

You need to maintain the prerequisites in the IMG before importing the application data.

Note

This procedure is required for CUP roles only.

Procedure

1. Execute transaction SPRO and choose SAP Reference IMG. The SAP Reference IMG window appears.
3. Choose Define Prerequisite Types.
4. Choose Define Role Prerequisites to define the prerequisites.
5. Verify that the names that appear match the Verification/Training System name in AC 5.3.

7.3 Importing RAR Data

You can continue the data import process to import the RAR data.

Procedure

1. On the Select Process Type screen, select Import RAR Data.
2. In the Enter Org Unit field, enter the organization unit. This is a mandatory field.

   This is the Organization Unit you created in section 4.3, Creating the Organization Unit. When importing RAR data, AC 5.3 business units are migrated as AC 10.1 organizations.

   The Business Process, and Business Subprocess fields, used with mitigation controls, are optional and can be left blank.
3. Choose Next.
4. In the Import Location field, enter the location of the exported data, and choose Get Files.
5. Choose the files to import by selecting the corresponding boxes to the left of the files.

Alternatively, you can choose the Select All Files button.

- Choosing Append Data adds to existing data in the target location. If you do not choose Append Data, the data in the target location is overwritten.

6. Choose Submit after completing the selection.
7. Review your selections and choose Import.

The application displays the import logs in the bottom pane. After the import process completes, choose Previous to return to the Select Process Type screen; choose Cancel to close the application.

Note

The AC 5.3 Mitigation Control Short Description field gets populated in the AC 10.1 Mitigation Control Name field (which is limited to 40 characters). The complete AC 5.3 Mitigation Control Short Description and Description data gets populated in the AC 10.1 Mitigation Control Description field in the following format: Short Description – Description.

After migrating the RAR risks, you need to generate Rules for the risks to run the risk analysis.

### 7.4 Importing Workflow Data

You can continue the data import process to import the Workflow data.

**Procedure**

1. On the Select Process Type screen, select Import Workflow Data.
2. In the Import Location field, enter the location of the exported data, and choose Get Files.
3. Choose the files to import by selecting the corresponding boxes to the left of the files.

Alternatively, you can choose the Select All Files button.

- Choosing Append Data adds to existing data in the target location. If you do not choose Append Data, the data in the target location is overwritten.

4. Choose Submit after completing the selection.
5. Review your selections and choose Import.

The application displays the import logs in the bottom pane. After the import process
7.5 Importing ERM Repository Data

You can continue the data import process to import the ERM Repository data.

Procedure

1. On the Select Process Type screen, select Import ERM Repository Data.
2. In the Import Location field, enter the location of the exported data, and choose Get Files.
3. Choose the files to import by selecting the corresponding boxes to the left of the files.

Alternatively, you can choose the Select All Files button.

Choosing Append Data adds to existing data in the target location. If you do not choose Append Data, the data in the target location is overwritten.

4. Choose Submit after completing the selection.
5. Review your selections and choose Import.

The application displays the import logs in the bottom pane. After the import process completes, choose Previous to return to the Select Process Type screen; choose Cancel to close the application.

7.6 Importing CUP Repository Data

You can continue the data import process to import the CUP Repository data.

Note

If the AC 5.3 CUP Roles do not have a defined system (or have a system that is not associated with a landscape in AC 10.1), the system creates the roles under the default landscape.

Procedure

1. On the Select Process Type screen, select Import CUP Repository Data.
2. Optionally, choose the Use default landscape checkbox.

CUP Roles in AC 5.3 do not have an associated landscape. Choosing the Use default landscape checkbox causes the SAP solutions for GRC 10.1 Data Import Application to group all systems associated with AC 5.3 CUP Roles into the default landscape, creating the corresponding role-to-landscape association in AC 10.1.
Note

Choose this option only if you have not already configured your landscape structure.

3. In the Import Location field, enter the location of the exported data, and choose Get Files.
4. Choose the files to import by selecting the corresponding boxes to the left of the files.

Alternatively, you can choose the Select All Files button.

Choosing Append Data adds to existing data in the target location. If you do not choose Append Data, the data in the target location is overwritten.

5. Choose Submit after completing the selection.
6. Review your selections and choose Import.

The application displays the import logs in the bottom pane. After the import process completes, choose Previous to return to the Select Process Type screen; choose Cancel to close the application.

7.7 Importing SPM Data

You can continue the data import process to import the SPM data.

Procedure

1. On the Select Process Type screen, select Import SPM Data.
2. In the Import Location field, enter the location of the exported data, and choose Get Files.
3. Choose the files to import by selecting the corresponding boxes to the left of the files.

Alternatively, you can choose the Select All Files button.

Choosing Append Data adds to existing data in the target location. If you do not choose Append Data, the data in the target location is overwritten.

4. Choose Submit after completing the selection.
5. Review your selections and choose Import.

The application displays the import logs in the bottom pane. After the import process completes, choose Previous to return to the Select Process Type screen; choose Cancel to close the application.
7.8 Importing Workflow Rule Data

You need to import the workflow rule data exported earlier from AC 5.3.

Procedure

To import the initiator rules:


   ![Generate MSMP Rule for Process](image)

   - **Rule Info**
     - **MSMP Process ID**: SAP_GRAC_ACCESS_REQUEST
     - **Rule Type**: BRFplus Flat Rule (Linelen by Lineltem)
     - **Rule Kind**: Initiator Rule
     - **Rule ID**: ZHP_0206_AR_1_02
     - **Application/Func. Group Name**: ZHP_0206_AR_1_02

   - **Generation of Options**
     - [Generate Rule](#)
     - [Overwrite BRF+ Internal](#)
     - [Override BRF+ Application Text](#)
     - [Override UI + Transaction Text](#)

   - **Test Rule**
     - [Validate Rule Execution](#)
     - [Validate w. Internal Structure](#)
     - [Execute Rule with Simple Input](#)
     - [Add Initial Value to Line-item](#)

2. Enter the following data in the corresponding fields:

   - In the **MSMP Process ID** field, enter the corresponding process ID, from among the following: SAP_GRAC_ACCESS_REQUEST, SAP_GRAC_SOD_RISK_REVIEW, or SAP_GRAC_USER_ACCESS_REVIEW.
   - In the **Rule Type** field, enter BRFplus Flat Rule (Linelen by Lineltem).
   - In the **Rule Kind** field, choose Initiator Rule.
   - Type values in the **Rule ID** and **Application/Func. Group Name** fields. Start the values using the letter Z, for example, ZHP_0206_AR_1_02.

3. Choose **Execute**. The **Display logs** screen appears.
4. Execute transaction `GRAC_WF_MIG`. The *Migrate Initiators and CAD* screen appears.

![Migrate Workflow Initiator and CAD rules](image)

5. Enter the following data in the corresponding fields:

- Select the **Initiators Rule** radio button.
- In the **Initiator/CAD File Location** field, enter the data location.
- In the **MSMP Process ID** field, enter the corresponding process ID, from among the following: `SAP_GRAC_ACCESS_REQUEST`, `SAP_GRAC_SOD_RISK_REVIEW`, or `SAP_GRAC_USER_ACCESS_REVIEW`.
- In the **Application/Func. Group Name** field, enter the value you specified in Step 2.
- In the **Initiators Rules ID** field, enter the value you specified in Step 2.


7. Choose **Upload**. The *Display logs* screen appears.

To import CAD/agent rules:

1. Execute transaction `GRFNMW_DEV_RULES`. The *Generate MSMP Rule for Process* screen appears.
2. Enter the following data in the corresponding fields:

- In the **MSMP Process ID** field, enter the corresponding process ID, from among the following: `SAP_GRAC_ACCESS_REQUEST`, `SAP_GRAC_SOD_RISK_REVIEW`, or `SAP_GRAC_USER_ACCESS_REVIEW`.
- In the **Rule Type** field, enter `BRFplus Flat Rule (LineItem by LineItem)`.
- In the **Rule Kind** field, choose **Agents Rule**.
- Type values in the **Rule ID** and **Application/Func. Group Name** fields. You will use the **Rule ID** in the **Approvers Rules ID** field in Step 9.

3. Choose **Execute**. The *Display logs* screen appears.
4. Execute transaction `GRFNMW_DEV_RULES`. The *Generate MSMP Rule for Process* screen appears.
5. Enter the following data in the corresponding fields:

In the MSMP Process ID field, enter the corresponding process ID, from among the following: SAP_GRAC_ACCESS_REQUEST, SAP_GRAC_SOD_RISK_REVIEW, or SAP_GRAC_USER_ACCESS_REVIEW.
In the Rule Type field, enter BRFplus Flat Rule (Linelistem by Lineltem).
In the Rule Kind field, choose Agents Rule.
Type values in the Rule ID and Application/Func. Group Name fields. In the Application/Func. Group Name field, use the same value that you specified in Step 3. You will use the Rule ID in the Alternate Approvers Rules ID field in Step 9.

6. Choose Execute. The Display logs screen appears.

7. Execute transaction GRAC_WF_MIG. The Migrate Initiator and CAD screen appears.

8. Enter the following data in the corresponding fields:

Select the Agent Rule radio button.
In the Initiator/CAD File Location field, enter the data location.
In the MSMP Process ID field, enter the corresponding process ID, from among the following: SAP_GRAC_ACCESS_REQUEST, SAP_GRAC_SOD_RISK_REVIEW, or SAP_GRAC_USER_ACCESS_REVIEW.
In the Application/Func. Group Name field, enter the value you specified in Step 3.
In the Approvers Rules ID field, enter the value you specified in Step 3.
In the Alternate Approvers Rule ID field, enter the value you specified in Step 6.


Agent rules available for migration are automatically selected. You can modify the selection, as required.

10. Choose Upload. The Display logs screen appears.

11. Execute transaction BRF+ to verify the uploaded data.

You need to activate the initiator and agent rules after uploading.

Note

For initiators, conditions containing an OR operator between different attributes or an AND operator between the same attribute, are not migrated.

Similarly, in the case of CAD, conditions of type Webservice are not migrated.

Also, the entire initiator/CAD condition is not migrated in cases when the data is invalid, an attribute is not mapped, or a custom field is not found.
8. Completing Post-Import Tasks

You need to complete certain tasks after importing the application data. Specifically, you need complete the following tasks:

- Activate GRC_MSMP_CONFIGURATION BC set
- Generate the rules
- Create function modules
- Maintain workflow stage settings
- Complete methodology process assignments

8.1 Activating the GRC_MSMP_CONFIGURATION BC Set

After you have completed the data migration process, you need to activate the GRC_MSMP_CONFIGURATION BC set.

8.2 Generating the Rules (AC 4.0 and AC 5.3)

After you have migrated the RAR risks, you need to generate the rules before running a risk analysis.

Procedure

2. Select the risk for which you need to generate rules, and choose Generate Rules.

You can generate the rules either in the foreground or the background.

Alternatively, you can generate multiple rules using the IMG configuration. In this case, use transaction SPRO > navigate to SAP Reference IMG > Governance, Risk and Compliance > Access Control > Access Risk Analysis > Generate SoD Rules. Select the range of SoD risks that you want to generate rules for, and choose Execute.
8.3 Creating Function Modules (AC 5.3)

Attributes/conditions for AC 5.3 CAD/Initiators are not transferred during the migration process. This means that you need to manually create the Function Module to specify the attributes/conditions for Workflow CAD/Initiators.

The procedure in this section describes how to create a Function Module for an Initiator Rule.

Note

Depending on your requirements, you can create a single Function Module for all initiator conditions (of AC 5.3 initiators and their respective rule result values).

The Workflow Initiator imported from AC 5.3 requires you to create a Function Module in AC 10.1 for each corresponding initiator. In AC 10.1, Initiator conditions and their respective rule result values are declared in Initiator Rules, which are Function Module-based rules.

After migration, the AC 5.3 Initiator maps to two configuration areas: Rule ID and Rule Result Value. The AC 5.3 initiator rule conditions (attributes and their values) are not, however, mapped to AC 10.1.

You need to manually declare these conditions in the Function Module.

Procedure

1. Execute transaction SE37.
2. Create function module Z_Initiator_SP_INI1 by copying it from GRAC_AR_INITIATOR.

Note

Use the custom Function Group.

Create the function module with the same conditions as in AC 5.3 and with the rule result value for the name of the corresponding initiator.

Note

In AC 10.1, the Req Type has the numeric value that you need for the function module. For example, SP_REQ_CREATE_USER_DESC is represented by 16. You can determine this using transaction SPRO > SAP Reference IMG > Governance, Risk, and Compliance > Access Control > User Provisioning > Define Request Type.

3. After creating Z_Initiator_SP_INI1, activate it and maintain the workflow using MSMP.
4. After the initiator is activated, maintain the initiator using the global settings (using the process id for the workflow).
5. Complete the remaining required steps for configuring a workflow.
8.4 Maintaining Workflow Stage Settings (AC 5.3)

In certain cases, you need to map CUP Stage Escalation settings to corresponding AC 10.1 Workflow Stage settings.

In AC 5.3, the CUP Stage Escalation configuration consists of the following four entities:

1. No Escalation
2. Forward to next stage
3. Forward to Administrator
4. Forward to Alternate Approver.

In contrast, AC 10.1 Workflow Stage settings consist of the following three entities:

- No Escalation
- Skip to Next Stage
- Escalate to Specified Agent.

The following table shows the mapping between the AC 5.3 and AC 10.1 settings, and whether manual steps are required to complete the migration:

<table>
<thead>
<tr>
<th>AC 5.3 Escalation Configuration</th>
<th>AC 10.1 Escalation Type</th>
<th>Manual Step Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Escalation</td>
<td>No Escalation</td>
<td>No</td>
</tr>
<tr>
<td>Forward to next stage</td>
<td>Skip to Next Stage</td>
<td>No</td>
</tr>
<tr>
<td>Forward to Administrator</td>
<td>Escalate to Specified Agent</td>
<td>Yes</td>
</tr>
<tr>
<td>Forward to Alternate Approver</td>
<td>Escalate to Specified Agent</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Procedure

To migrate AC 5.3 Forward to Administrator settings:

1. Create an Agent (for example, ADMIN) with Approval as the Agent Purpose setting and Directly Mapped Users as the Agent Type setting.
2. Create an Approver Group ID and add the AC 5.3 Administrator ID to the Approver User ID.
3. As part of the Stage Definition, specify the Agent ID (for example, ADMIN) in the Escalation Agent field.

To migrate AC 5.3 Forward to Alternate Approver settings:

1. Create an Agent (for example, ALTRAPPVR) with Approval as the Agent Purpose setting and GRAC_MSMP_AR_ROLE_ALT_APPR as the Agent Type setting.
2. As part of the Stage Definition, specify the Agent ID (for example, ALTRAPPVR) in the Escalation Agent field.
8.5 Completing Methodology Process Assignments (AC 5.3)

Imported CUP Roles imported from back-end systems and AC 5.3 do not get an assigned methodology process. As a result, these roles are not editable.

You therefore need to assign the methodology process for these roles, as described in this section.

Note

The procedure described in this section applies the default methodology.

Procedure

1. In AC 10.1, choose Access Management > Role Mass Maintenance > Role Update.
2. Select all migrated CUP roles, and choose Next.
3. Choose All Attributes in the Attributes field, choose Update in the Action field, and choose Next.
4. Choose Reapply role methodology, and choose Next.
5. Schedule the job to run in the background, and choose Submit.
9. Validating the Data

You can manually validate the AC 4.0 or AC 5.3 to AC 10.1 data migration by examining the corresponding areas in the application. This section describes how to validate the following application data.

- RAR data
- ERM data
- Workflow data
- CUP data

9.1 Validating RAR Data

This section describes how to manually validate the RAR application data migration.

Procedure

To validate the functions:

- In AC 4.0 or AC 5.3, choose Rule Architect > Functions to display the functions.
- In AC 10.1, choose Setup > Access Rule Maintenance > Functions to display the functions.

To validate function actions:

- In AC 4.0, select the function and choose Display/Change.
- In AC 5.3, select the function and choose Change.
- In AC 10.1, select the function and choose Open.

To validate function permissions:

- In AC 4.0, select the function, choose Display/Change, and choose the Business View tab.
- In AC 5.3, select the function, choose Change, and choose the Permissions tab.
- In AC 10.1, select the function, choose Open, and choose the Permission tab.

To validate the risks:

- In AC 4.0 or AC 5.3, choose Rule Architect > Risks to display the risks.
- In AC 10.1, choose Setup > Access Rule Maintenance > Access Risks to display the risks.

To validate specific risks:

- In AC 4.0, select the risk and choose Display/Change.
- In AC 5.3, select the risk and choose Change.
- In AC 10.1, select the risk and choose Open.
To validate mitigating controls:
- In AC 4.0 or AC 5.3, choose Mitigation > Mitigating Controls to display the mitigating controls.
- In AC 10.1, choose Setup > Mitigating Controls > Mitigating Controls or Master Data > Mitigating Controls > Mitigating Controls to display the corresponding mitigating controls.

To validate specific mitigating controls:
- In AC 5.3, select the mitigating control and choose Change.
- In AC 10.1, choose the link for the mitigating control.

To validate mitigated users:
- In AC 4.0, choose Mitigation > Mitigated User to display the mitigated users.
- In AC 10.1, choose Access Management > Mitigated Access > Mitigated Users to display the corresponding mitigated users.

To validate connectors:
- In AC 5.3, choose Configuration > Connectors to display the connectors.
- For AC 10.1, execute transaction SM59 or navigate to SPRO > SAP Reference IMG > Governance, Risk and Compliance > Common Component Settings > Integration Framework > Create Connectors to display the corresponding connectors.

9.2 Validating ERM Data

This section describes how to manually validate the ERM application data migration.

Note

The migration process only populates ERM Role Risk Analysis data in AC 10.1 if the rule has been generated for the particular role risk in AC 10.1.

Procedure

To validate the roles:
- In AC 5.3, choose Role Management > Role to display the roles.
- In AC 10.1, choose Access Management > Role Management > Role Maintenance to display the corresponding roles.

To validate specific roles:
- In AC 5.3, select the role and choose Change.
- In AC 10.1, select the role and choose Open.
9.3 Validating Workflow Data

This section describes how to manually validate the Workflow data migration.

Procedure

To validate workflow initiators:
- In AC 5.3, choose CUP > Configuration > Workflow > Initiators to display the workflow initiators.
- For AC 10.1, use transaction SPRO > navigate to SAP Reference IMG > Governance, Risk and Compliance > Access Control > Workflow for Access Control > Maintain MSMP Workflows.

In the browser window that opens, choose Next. Then select Maintain Rules to display the corresponding workflow initiators.

Note

After migration, the Rule ID is populated with Z_Initiator_Name-of-5.3-initiator and the Rule Result Value is populated with Name-of-5.3-initiator. For example, in the case of SP_INI1, the Rule ID becomes Z_Initiator_SP_INI1 and the Rule Result Value becomes SP_INI1.

To validate workflow paths:
- In AC 5.3, choose CUP > Configuration > Workflow > Paths to display the workflow paths.
- For AC 10.1, use transaction SPRO > navigate to SAP Reference IMG > Governance, Risk and Compliance > Access Control > Workflow for Access Control > Maintain MSMP Workflows.

In the browser window that opens, choose Next and choose Maintain Paths to display the corresponding workflow paths.

9.4 Validating CUP Data

This section describes how to manually validate the CUP application data migration.

Procedure

To validate the roles:
- In AC 5.3, choose Configuration > Roles to display the roles.
- In AC 10.1, choose Access Management > Role Management > Role Maintenance to display the corresponding roles.

To validate specific roles:
- In AC 5.3, select the role and choose Change.
- In AC 10.1, select the role and choose Open.
10. Supported AC 4.0 Objects

This section lists the AC 4.0 objects supported in the data migration process.

10.1 Common Configuration

This section outlines the common configuration, which includes all applicable configuration information from AC applications.

<table>
<thead>
<tr>
<th>Category</th>
<th>Object</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Configuration</td>
<td>Owners</td>
</tr>
<tr>
<td></td>
<td>Business Process</td>
</tr>
</tbody>
</table>

10.2 Compliance Calibrator (RAR)

<table>
<thead>
<tr>
<th>Category</th>
<th>Object</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOD Rules</td>
<td>Rule Set</td>
</tr>
<tr>
<td></td>
<td>Function</td>
</tr>
<tr>
<td></td>
<td>Function Action</td>
</tr>
<tr>
<td></td>
<td>Function Permission</td>
</tr>
<tr>
<td></td>
<td>Risk</td>
</tr>
<tr>
<td></td>
<td>Risk Rule Set</td>
</tr>
<tr>
<td></td>
<td>Risk Description</td>
</tr>
<tr>
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<td>Risk Objective</td>
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<td>Mitigation Control Profiles</td>
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### 10.3 Fire Fighter (SPM)

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<td>Fire Fighter Controller</td>
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</table>
11. Supported AC 5.3 Objects

This section lists the AC 5.3 objects supported in the data migration process.

11.1 Configuration and Master Data

This section outlines the AC 5.3 configuration and master data supported in the data migration process.

11.1.1 Configuration Data

This section outlines the configuration data supported in the data migration process.

<table>
<thead>
<tr>
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<td>Owners</td>
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<td>RAR Configuration Parameters</td>
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<td>CUP Configuration Parameters</td>
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<td>Request Type and Action Association</td>
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## 11.1.2 Master Data

This section outlines the master data supported in the data migration process.

### 11.1.2.1 Compliance Calibrator (RAR)

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<td>Mitigation Control Profiles</td>
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### 11.1.2.2 Fire Fighter (SPM)

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<td>Fire Fighter User Based and Role Based Description</td>
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### 11.1.2.3 Workflow (CUP)

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11.1.2.4 Role Repository (ERM)

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### 11.1.2.5 Role Repository (CUP)

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### 11.2 Transactional Data

This section outlines the AC 5.3 transactional data supported in the data migration process.

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</table>
12. Unsupported Objects and Components

The following objects and components are not supported as part of the AC 4.0 and AC 5.3 to SAP solutions for GRC 10.1 data migration process:

- Non-SAP type connectors
- Condition groups and approval criteria
- HR triggers
- User defaults
- Password Self Service
- Number ranges
- Service Level Agreement and Provisioning
- Attachments
- Detour paths
- Web Service-type CAD, and CADs without conditional approvers

💡 You can continue to access historic transactional data using AC 5.3.