ARIS REQUIREMENTS
FOR SAP SOLUTIONS

VERSION 10.0 - SERVICE RELEASE 11

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Contents

1 Required SAP systems

If you are going to use **ARIS for SAP® Solutions** these requirements must be met. For details see **ARIS for SAP Solutions** and **ARIS Requirements for SAP® Solutions** on DVD, ARIS Download Center (https://aris.softwareag.com) or Empower (https://empower.softwareag.com/).

SAP SOLUTION MANAGER 7.2

ARIS and SAP Solution Manager 7.2 communicate via HTTP access. Therefore the requirements must be met in the SAP system (page 3). In general the system no longer requires transport requests or **sapjco3.jar**.

The transport request for synchronization and **sapjco3.jar** on server side are needed only for data migration. For details, see **Migrating SAP projects to SAP® Solution Manager 7.2 solutions** on DVD, ARIS Download Center (aris.softwareag.com) or Empower (https://empower.softwareag.com/).

Run transaction without using SAP Solution Manager, **Show blueprint**, and **Show configuration** (client) require these components as described for SAP Solution Manager 7.1.

SAP SYNCHRONIZATION, START TRANSACTIONS/EXECUTABLES, SHOW BLUEPRINT

If you use SAP Solution Manager 7.1, ensure that a local SAP GUI for Windows installation exists on all client computers. To run transactions, you need one of the following SAP systems in one of the following languages: **German (de)**, **English (en)**, **French (fr)**, **Spanish (sp)**, or **Japanese (ja)**:

- Local SAP GUI for Windows installation, version 7.1 to 7.5

- ECC 6.0 (de, en, fr, sp, ja)

- SAP JCo on every client computer, ARIS server and download client.

- Transfer the transport requests on SAP Solution Manager 7.1 (synchronization and customizing).

  On SAP Solution Manager 7.2, only the transport request for synchronization is needed if you want to migrate former Solution Manager 7.1 projects to solutions.

- For Solution Manager synchronization, you also need SAP Java Connector **3.0.11**, or a higher **3.0x** version. It must be installed on your ARIS Design Server or local server. To guarantee that the data transfer between ARIS and your SAP® systems works properly, please consider the following points:

  - Ensure that the users have been created in the SAP® system and have RFC privileges.

  - The special SAP ports **sapgw00 3300/tcp** and **sapdp00 3200/tcp** must be enabled in the Windows Services file of the client computer (C:\Windows/ system32/ drivers/ etc/services). In general, these ports are added automatically during SAP GUI installation.

  - If you use server groups for access (SAP routers), you need to enter the SAP ports manually in consecutive sequence. By default, the syntax for a port number is as follows **3300** plus the **<SAP system number>** will be used. If, for example, the system number is **03**, the port number **3303** must be entered. Entries that have not been entered in consecutive sequence are ignored.

To perform Solution Manager synchronization, you need SAP® Solution Manager, version **7.1** or **7.2** with the languages **German (de)**, **English (en)**, **French (fr)**, **Spanish (sp)**, and/or **Japanese (ja)**.

ARIS ONLINE GUIDE

- Local SAP GUI for Windows installation, version 7.1 to 7.5
- ECC 6.0 (de, en, fr, sp, ja)

  or SAP® Solution Manager 7.1 or 7.2.

2 Requirements (SAP Solution Manager 7.2)

In order to use SAP Solution Manager 7.2, the following conditions must be met:

- **Authentication specified**

  The required privileges are contained in the **ZSOLDOCAPIACCESS.SAP** profile (see ARIS DVD\Add-ons\ARIS_Architect_extension_pack_SAP\Authentication). The profile is imported into the SAP system using the **PFCG** transaction.

- **Service activated**

  In order to allow HTTP access to the system, the **PROCESSMANAGEMENT** service (default_host/sap/opu/odata/sap) must be activated. The service is activated using the **SICF** transaction

- **Virus scan profile enabled**

  In order to avoid problems that might occur due to a virus scanner in use, a default virus scan profile is defined (**VSCANPROFILE** transaction).

  Deactivate and activate the virus scan profile (**/IWFND/VIRUS_SCAN** transaction). In case of problems you can use the **/IWFND/ERROR_LOG** transaction to check the error protocol.

3 Requirements (SAP Solution Manager 7.1)

In order for SAP synchronization to be available you need to assign users to certain roles in the SAP system. The users then have the required authorizations. You need to assign the following roles.

- The predefined role **SAP_SOLAR01_ALL**
- The predefined role **SAP_SMSY_ALL**
- A role to be defined with RFC privileges

You can create the role to be defined using the **PFCG** transaction. Assign the authorization objects **S_RFC** and **S_RFCACL** to the role.

VALUES FOR AUTHORIZATION OBJECT S_RFC

You can see all values to be defined in the following graphic.

Select the **Execute** activity in the **ACTVT** section.

The **RFC_NAME** section shows all names to be entered for the **S_RFC** authorization object of the RFC object to be protected. You need to complete the framed entries **SDIFRUNTIME**, **STFC**, and **IDS/ARIS_SOLAR_001**.

In the **RFC_TYPE** section you must select the **Function group** type.
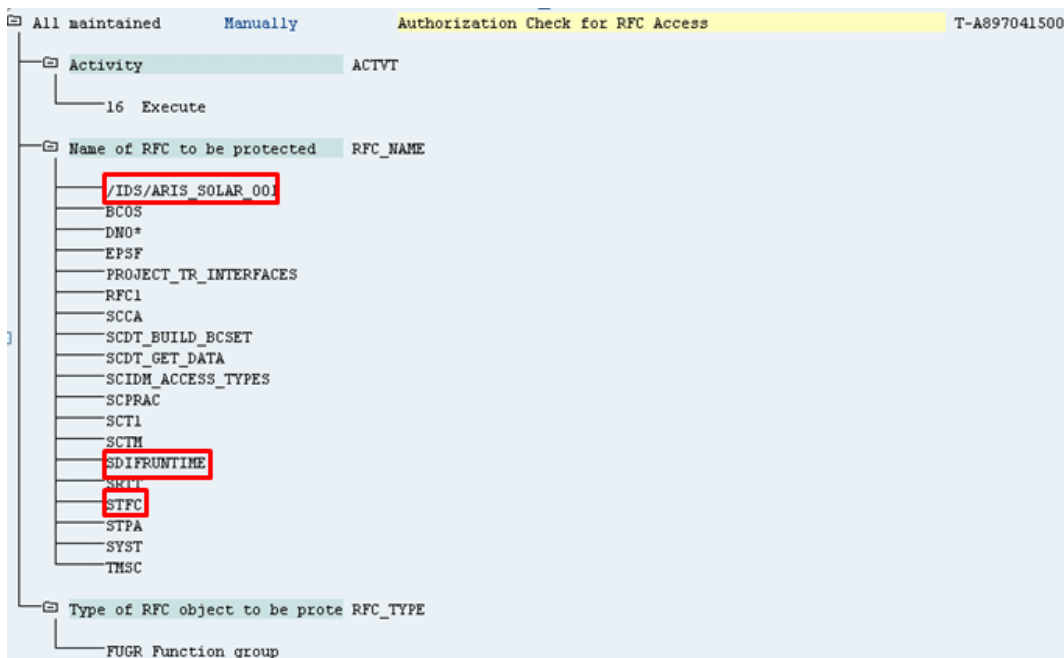
VALUES FOR AUTHORIZATION OBJECT S_RFCACL

The **S_RFCACL** authorization object requires all privileges.

```
🗀 All maintained      Manually      Authorization Check f RFC User (for Example, Trusted System) S_RFCACL
  └─🗀 All maintained       Manually            Authorization Check f RFC User (for Example, Trusted System) T-A731010200
     ├─🗀 Activity                      ACTVT
     │    └──16  Execute
     ├─🗀 RFC client or domain          RFC_CLIENT
     │    └──*
     ├─🗀 RFC same user ID              RFC_EQUSER
     │    └──Y Call by the same user is possible
     ├─🗀 RFC information               RFC_INFO
     │    └──*
     ├─🗀 System ID (for SAP and Externa RFC_SYSID
     │    └──*
     ├─🗀 RFC transaction code          RFC_TCODE
     │    └──*
     └─🗀 RFC User (SAP or External)    RFC_USER
          └──*
```

4 Legal information

4.1 Documentation scope

The information provided describes the settings and features as they were at the time of publishing. Since documentation and software are subject to different production cycles, the description of settings and features may differ from actual settings and features. Information about discrepancies is provided in the Release Notes that accompany the product. Please read the Release Notes and take the information into account when installing, setting up, and using the product.

If you want to install technical and/or business system functions without Software AG's consulting services, you require extensive knowledge of the system to be installed, its intended purpose, the target systems, and their various dependencies. Due to the number of platforms and interdependent hardware and software configurations, we can only describe specific installations. It is not possible to document all settings and dependencies.

When you combine various technologies, please observe the manufacturers' instructions, particularly announcements concerning releases on their Internet pages. We cannot guarantee proper functioning and installation of approved third-party systems and do not support them. Always follow the instructions provided in the installation manuals of the relevant manufacturers. If you experience difficulties, please contact the relevant manufacturer.

If you need help installing third-party systems, contact your local Software AG sales organization. Please note that this type of manufacturer-specific or customer-specific customization is not covered by the standard Software AG software maintenance agreement and can be performed only on special request and agreement.

If a description refers to a specific ARIS product, the product is named. If this is not the case, names for ARIS products are used as follows:

Name	Includes
ARIS products	Refers to all products to which the license regulations of Software AG standard software apply.
ARIS Clients	Refers to all programs that access shared databases via ARIS Server, such as ARIS Architect or ARIS Designer.
ARIS Download clients	Refers to ARIS clients that can be accessed using a browser.

4.2   Data protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR).

Where applicable, appropriate steps are documented in the respective administration documentation.

4.3   Disclaimer

ARIS products are intended and developed for use by persons. Automated processes, such as the generation of content and the import of objects/artifacts via interfaces, can lead to an outsized amount of data, and their execution may exceed processing capacities and physical limits. For example, processing capacities are exceeded if models and diagrams transcend the size of the modeling area or an extremely high number of processing operations is started simultaneously. Physical limits may be exceeded if the memory available is not sufficient for the execution of operations or the storage of data.

Proper operation of ARIS products requires the availability of a reliable and fast network connection. Networks with insufficient response time will reduce system performance and may cause timeouts.

If ARIS products are used in a virtual environment, sufficient resources must be available there in order to avoid the risk of overbooking.

The system was tested using scenarios that included 100,000 groups (folders), 100,000 users, and 1,000,000 modeling artifacts. It supports a modeling area of 25 square meters.

If projects or repositories are larger than the maximum size allowed, a powerful functionality is available to break them down into smaller, more manageable parts.

Some restrictions may apply when working with process administration, ARIS Administration, ARIS document storage, and ARIS Process Board, and when generating executable processes. Process Governance has been tested and approved for 1000 parallel process instances. However, the number may vary depending on process complexity, for example, if custom reports are integrated.

ARIS document storage was tested with 40.000 document items. This includes documents, document versions or folders. We recommend monitoring the number and overall size of stored document items and archiving some document items if needed.

This manual describes the settings and features of ARIS 10.0 at the time of print. For service release, the help system as well as all other documents are not updated in all languages. Only the English help system is available yet. This document might not provide help for all contingencies, for example, various individual system as well as project configurations. Therefore, Software AG strongly recommends requesting Global Consulting Services for migrating existing ARIS projects to be further used with SAP® Solution Manager 7.2. You may order that service from your Software AG sales representative