** software AG

ARIS Requirements

PROCESS-DRIVEN MANAGEMENT FOR SAP®

Version 10.0 - Service Release 2

October 2017

Contents

1 Required SAP systems

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

1 Required SAP systems

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 4). In general the system does no longer require transport requests and **sapjco3.jar**.

Only for data migration the transport request for synchronization is needed and **sapjco3.jar** is required on server side. 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, and **Run customizing transactions/view** (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 7.4
- 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 7.4

- 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.

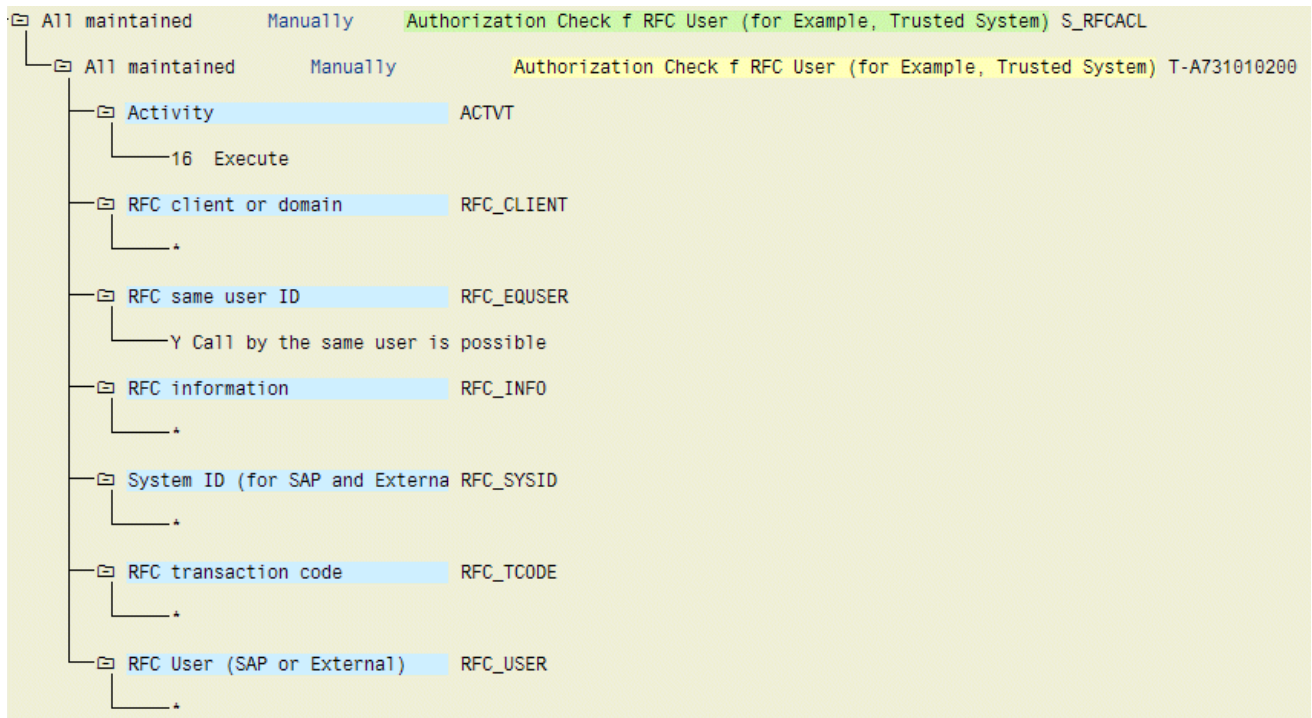Select the **Execute** activity in the **ACTVT** section.

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.
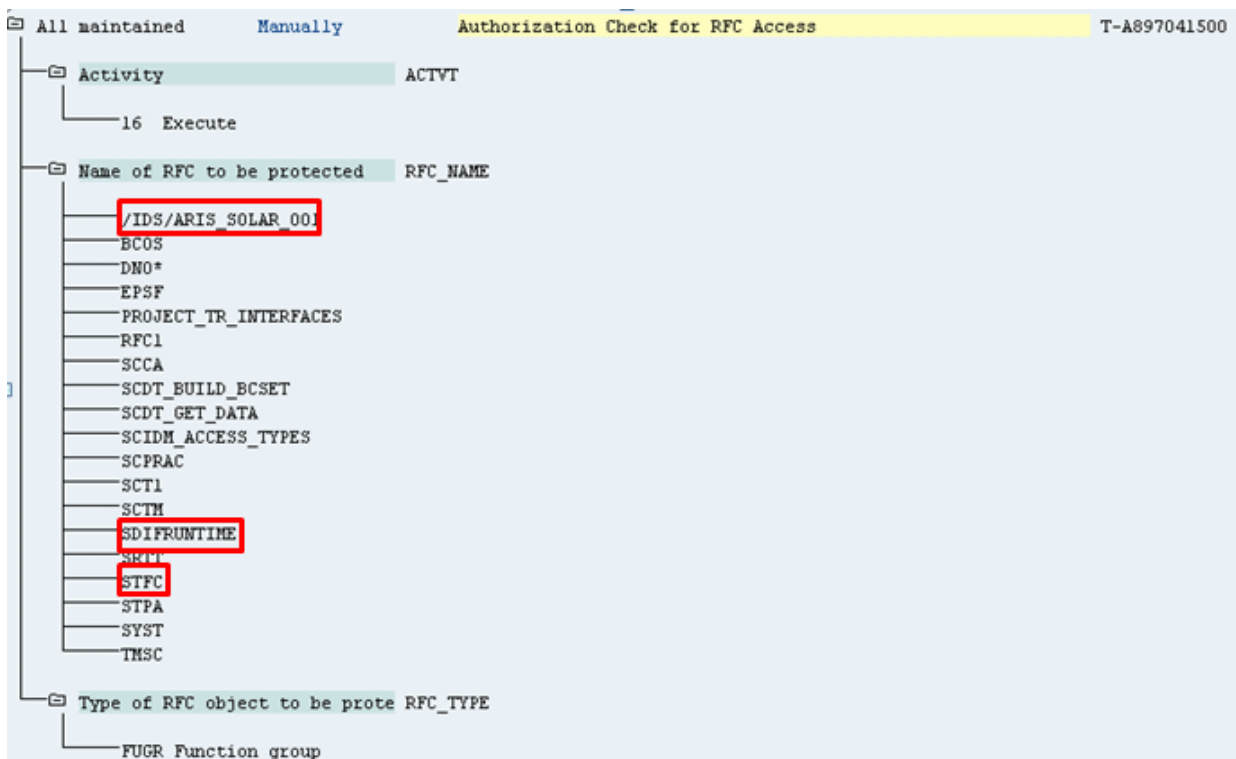
VALUES FOR AUTHORIZATION OBJECT S_RFCACL

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   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, e.g., if custom reports are integrated.

ARIS document storage was tested with 40.000 documents. We recommend monitoring the number and overall size of stored documents and if needed some documents should be archived.