



**ARIS**

# SETTING UP ARIS WEBMETHODS INTEGRATION

Version 9.8 - Service Release 4

April 2016

This document applies to ARIS Version 9.8 and to all subsequent releases. Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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## 1 Text conventions

Menu items, file names, etc. are indicated in texts as follows:

- Menu items, key combinations, dialogs, file names, entries, etc. are displayed in bold.
- User-defined entries are shown <in bold and in angle brackets>.
- Single-line example texts (e.g., a long directory path that covers several lines due to a lack of space) are separated by  at the end of the line.
- File extracts are shown in this font format:
- This paragraph contains a file extract.

### Warning

Warnings are highlighted in blue.

## 2 About

Corporate Strategy is what should drive all business goals. In order to make sure that these business goals are supported in an optimal way it is important to map the strategy to the design of operational processes.

Some processes become subject to a Process Automation effort so that the implementation of these processes and then finally their execution becomes essential (model to execution).

The ARIS platform is used to model business processes or change them and, in a next step, the new or changed process needs to be implemented and automated in Software AG Designer. The transitions back and forth between the business-facing ARIS world to the IT centric webMethods world is necessary.

The basic configuration of such a system consists of ARIS 9.8 and webMethods – version 9.8 with the Software AG Designer 9.8.

ARIS Process Governance Server is used to enable the workflow between the different components and the user administration by the central user management.

ARIS Business Publisher is an optional component to enable the publishing of the processes.

This enables a larger number of users to display the processes designed and implemented for execution.

This document covers the installation and configuration of the ARIS components. For the installation and configuration of webMethods please refer to the installation and configuration documents of the webMethods components.

### **Optional:**

CentraSite is used as the central repository for services which are needed in such automation. The basic configuration of such a system consists of ARIS 9.8 and webMethods – version 9.8, which consists of CentraSite Community Edition 9.8 or CentraSite ActiveSOA 9.8 and Software AG Designer 9.8.

### 3 Setup ARIS

Execute **ARIS Design Server** setup from DVD or image and follow the wizard. The default settings of the installation should be sufficient.

#### License files

You can either import your license files during the corresponding installation step or install them afterwards manually. The manual steps will be described in chapter Import license files Import license files on page 8.

#### 3.1 Launch ARIS Design Server

Typically all components will be started automatically as part of the installation. Nevertheless it is recommended to check their current state via **ARIS Cloud Controller (ACC)**. Launch an ACC instance by start menu entry.

ARIS > Administration > ACC

and check the state of all configured instances with the ACC command **list**.

At least following instances have to be in state **STARTED**:

Instance ID	Components
zoo_m	registry
postgres_m	db
cloudsearch_m	search
elastic_m	elastic_search
umcadmin_m	admin
loadbalancer_m	Load balancer
abs_m	modeling
apg_m	governance
copernicus_m	portal

In case of one or all of these instances are staying in state **STOPPED** you have to trigger the launch script manually by following start menu entry:

ARIS Platform > Administration > Launch ARIS Design Server.

## 3.2 Tenant management

After the installation of ARIS Design Server the default tenant is available. If you need additional tenants to provide different sets of databases, users, configurations or ARIS methods you can easily create tenants. You can also create tenants using some advanced ARIS Cloud Controller commands makes it possible to create a tenant, import a license and migrate or restore a database in one step.

### Prerequisites

If you do not use the standard database system, please make sure to create additional schemes in your Oracle or Microsoft SQL database management system and you have assigned the tenants to these schemes.

### Procedure

1. Start ARIS Cloud Controller (ACC).
2. Enter:  

```
create tenant <tenant name>
```

For tenant names please only use up to 30 lowercase ASCII characters and numbers. The name must begin with a character. Special characters and characters e. g. in Chinese, Cyrillic or Arabic cannot be used.

e. g.:

```
create tenant sag
```

The tenant **sag** will be created.
3. The administrator must import licenses, create users and user groups and assign privileges and licenses for the sag tenant (see page 8).
4. Start a ARIS Architect and log in using this tenant. The system database will be created for that tenant.

The tenant is created and can be backed up.

## 4 ARIS configuration

First of all there are some general tasks to set up e.g. importing the license files and configuring the address of your mail server.

Login as superuser or user with respective permissions to create user/groups and import licence files.

Afterwards for the Model to Execute scenario you will need to create the user groups **Process engineer**, **Process developer** and **arisservice** in the Administration tool.

The Administration is web-based:

`http(s)://<SERVERNAME>/umc`

Your changes will be saved in background automatically; there is no need to save your changes. But, on changes in Permissions and User Group assignment, the affected user(s) itself has to logout and login again to get the updated policies.

## 4.1 The steps of chapters Add user groups

You need to have the following user groups: **arisservice**, **Process engineer** and **Process developer**.

### Procedure

1. Select menu item **User management**.
2. Select tab **User groups** and click **Add user group** on toolbar.
3. In the form, enter the relevant name and click **Save** to create the user group.

You have added an user group.

## 4.2 Add process engineer Add user groups

You need to have the following user groups: **arisservice**, **Process engineer** and **Process developer**.

### Procedure

4. Select menu item **User management**.
5. Select tab **User groups** and click **Add user group** on toolbar.
6. In the form, enter the relevant name and click **Save** to create the user group.

You have added an user group.

Add process engineer on page 9 and Add Process developer Add Process developer on page 10 are described as for a non-LDAP environment. Use the appended documentation with additional steps when you're up to configure an LDAP environment.

## 4.3 Configure SMTP Mail Server Connection

If you did not enter the SMTP server connection parameters during the setup process of a previous <\_a> version you need to register your SMTP server manually.

### Procedure

7. Start <\_a> Cloud Controller (ACC) (see page 1).

8. Enter:

```
register external service smtp host="YourMailServerAdressWithDomain"  
port=25
```

9. Check that setting entering:

```
list external services
```

10. Set a sender's address. You can do that via this URL

```
http://<YourARISserverWithDomain>/umc/#configuration.
```

11. Click **SMTP** in the dropdown box to see all parameters of that section, double click the following parameter and enter your mail server address:

```
com.aris.umc.notification.sender=<ValidMailAccount@YourMailServerAdress  
sWithDomain>
```

12. If you have installed ARIS Design Server, just restart the server entering:

```
stopall
```

13. When all components are stopped enter:

```
startall
```

SMTP mail server configuration is set.

## 4.4 Import license files

### Procedure

14. Select menu item **Licenses**.

15. Press button to **Import license file** on the toolbar and select the corresponding zip file to import. You can either import single licenses as XML file or directly import multiple licenses compressed in a ZIP file. You need to import architect license and wM integration extension.

16. After confirming the dialog, the licenses will be available to assign to user groups or selected users.

## 4.5 Add user groups

You need to have the following user groups: **arisservice**, **Process engineer** and **Process developer**.

### Procedure

17. Select menu item **User management**.
18. Select tab **User groups** and click **Add user group** on toolbar.
19. In the form, enter the relevant name and click **Save** to create the user group.

You have added an user group.

## 4.6 Add process engineer

### Procedure

20. Select menu item **User management**.
21. Select tab **Users** and click **Add user** on toolbar.
22. Enter the form and click **Save** to create the user account.
23. Switch to tab **Assigned user groups**.
24. Click the **Edit assignments** toolbar button.
25. Add group **Process engineer** and **arisservice** and confirm with **Save**.
26. Switch to tab **Privileges > License permissions**.
27. Grant the user following Permissions:
  - a. ARIS Architect
  - b. ARIS Architect > wM integration

You have added a process engineer.

## 4.7 Add Process developer

### Procedure

28. Select menu item **User management**.
  29. Select tab **Users** and click **Add user** on toolbar.
  30. Enter the form and click **Save** to create the user account.
  31. Switch to tab **Assigned user groups**.
  32. Click the **Edit assignments** toolbar button.
  33. Add group **Process developer** and **arisservice** and confirm with **Save**.
- You have added a process developer.

## 5 Create and manage database

### Procedure

34. Start ARIS Architect.

- a. Visit the servers home page:  
`http(s)://<SERVERNAME>/#<TENANT>/home.`
- b. Click on the drop-down box at the upper right corner.
- c. Select entry **Download clients**.
- d. Choose product ARIS Architect and click on the **start** button.

35. On the first time you connect to a server, a **Create connection...** dialog will appear; enter your data and confirm to create the connection.

Login as user with functional privilege **Database administrator**.

Typically user **system** with password **manager**.

36. Switch to document type **Administration**.

If there is no Administration document type go to **ARIS > Select perspective... > Next** and move the slider to **Configuration & Administration**. Restart ARIS Architect to get the new perspective.

37. Create a new versionable database.

38. Login to the database with any filter.

39. Open node **Users**.

## 6 User Rights and Filter Settings

Configure user group arisservice.

### Procedure

40. Open properties of user group **arisservice**.
41. Grant the user group **read+write+delete+version (rwdv)** privileges on the main group.
42. Click **Pass on privileges**.
43. Switch to tab **Method filter**.
44. Activate filter **wM integration**.
45. Confirm user properties.

You have defined user rights and filters.

## 7 Software AG Designer

Please refer to the CentraSite installation guide on <http://documentation.softwareag.com/>.

### 7.1 Configure ARIS Process Governance server in Software AG Designer

Configure Process Governance server address:

Windows > Preferences > Software AG > Process Development > ARIS  
Process Governance Server Connection

#### Procedure

Fill in the host name of your ARIS installation and the credentials of the Process Developer. Combine the tenant and user name delimited with a slash character on field **User ID**, e.g.: SAG/John Doe.

## 8 Use CentraSite services in the share with IT workflow (Optional)

This chapter describes the necessary tasks to enable your environment to run with CentraSite services.

### 8.1 Setup CentraSite

This chapter describes configuration and handling of CentraSite.

By default, the user management in CentraSite is using an internal authentication. If you want to use external Microsoft Windows users, you have to change the settings in the System Management Hub of CentraSite first.

#### 8.1.1 Configure CentraSite

For the corresponding information, please have a look at the documentation for CentraSite on <http://documentation.softwareag.com/>.

##### Procedure

46. In the MS Windows user management create new user(s).
47. Enter the CentraSite Control UI via Windows start menu or insert following link in your web browser and insert IP or full server name:  
<http://<SERVER>:53307/PluggableUI/servlet/StartCISPage?PAGEURL=/PluggableUI/Login.html&PLUGIN=com.centrasite.control&LOCALE=en>  
In case you nat to know which services are available on the CentraSite system, insert the IP or full qualified server name:  
<http://<SERVER>:53307/wsstack/services/listServices>
48. Log on with admin user(**Administrator/manage**).
49. Click **Administration > Users**.
50. Select Bulk Load Users from External Source.
51. Activate all users, who have been created in user management. Click **OK**. All users are shown in a list.
52. Log off and log on with the relevant user account.

##### ASSIGN ROLES TO CENTRASITE USERS

For the corresponding information, please have a look at the documentation for CentraSite on <http://documentation.softwareag.com/>.

## 8.1.2 Activate Policies for service update

In order to get updates from CentraSite in case services are changed, you need to configure your CentraSite instance and activate the corresponding policies. It depends on your CentraSite version (e.g. Community edition), how this configuration needs to be done.

If you do not configure the CentraSite instance, services will not get updated if they are changed in CentraSite.

For the corresponding information, please have a look at the documentation for CentraSite on <http://documentation.softwareag.com/>.

Enable the ARIS integration by using the batch file under **..\SoftwareAG\CentraSite\utilities**.

### Procedure

53. Open the command line and enter the following.

54. Navigate to the folder **..\SoftwareAG\CentraSite\utilities**.

55. Type the following

```
EnableARISIntegration.cmd -user Administrator -password manage
```

You should get the following result:

```
'BPMN Process Lifecycle' is activated successfully
'Service Lifecycle' is activated successfully
'Reset Lifecycle State to Initial State' is activated successfully
'ARIS Release Processes' is activated successfully
'ARIS webMethods Integration Policy' is activated successfully
'Notify ARIS on service completion' is activated successfully
'ARIS Delete Processes' is activated successfully
'Notify ARIS on Service changes' is activated successfully
'Notify ARIS on Service Deletion' is activated successfully
'ARIS Delete Services' is activated successfully
```

Services can be changed only by the configured user. If you want to work with multiple users on CentraSite you have to map each CentraSite user to a corresponding ARIS user. You're at the choice to do a manual mapping as well as letting ARIS map the users automatically via LDAP.

## 8.2 Setup webMethods

Configure CentraSite connection in Software AG Designer.

### Procedure

56. Select **Windows > Preferences > CentraSite > Connections**.
57. Click on **Add...** button.
58. Fill out (maybe with SSL address).

## 8.3 Setup ARIS

### 8.3.1 Set-up scenario type with service handling by CentraSite

#### Procedure

59. Open database properties.
60. Select page **wM integration**.
61. Activate the **Use CentraSite services in ARIS-webMethods integration** option.  
(Default: webMethods integration without CentraSite services checkbox disabled).

#### Warning

The scenario type can't be changed after it has been set once, for the database.

### 8.3.2 CentraSite connection

#### Procedure

62. Open database properties.
  63. Select tab **CentraSite connection**.
- Activate checkbox to use CentraSite services and fill out the **Address** field.