ARIS Education Package

ARIS Architect Administration Exercises – University Edition

Version 2.2 | April, 2016

Software AG
University Relations

TABLE OF CONTENTS

Introduction

Target Group

ARIS Education Package University Edition tutorial is aimed at students who do not have any specific knowledge of Process Model and Design, and who would like to teach themselves how to design, implement and simulate a business process.

Objectives

- Introduction to Business Process Analysis and Management
- Business Process Lifecycle
- Modules of ARIS Architect
- Advanced Modeling functionality
- Modeling with ARIS Architect: Creating library models and process models
- Introduction to ARIS Methodology
- Testing and evaluating models

Procedure

The tutorial comprises successive exercises that build upon each other. As you work through them, the configuration is extended step by step.

Database and other related material

All the documents and database required for the tutorial can be downloaded from the tutorials page of ARIS community.

Go to the BPM Exercises section and download the "**BPM Exercises with ARIS: Database & other related material**".

ARIS Community

The ARIS community contains all manuals and technical references available for **AEP - PD&A** project. It also provides the ARIS online help topics. These are usually only accessible via the ARIS user interface.

Sequence of reading

To make the best use of the **AEP - PD&A University Edition tutorial**, we recommend reading the documents supplied and performing the exercises in the following order:

- AEP - PD&A Installation Guide
- AEP - PD&A: ARIS Architect Beginner Modeling Exercises- University Edition
- AEP - PD&A: ARIS Architect Advanced Modeling Exercises - University Edition
- **AEP - PD&A: ARIS Architect Administration Exercises - University Edition**

Sample solution

The AEP - PD&A Administration Exercises - University Edition comes with a sample solution which has possible solution to each of the exercises in this tutorial. This solution document is available only to faculty members.

The solution document should not be referred to as the only correct solution to the **AEP - PD&A: ARIS Architect Administration Exercises**. Please talk to your professor to get access to the sample solution.

Important Note

All the Exercises in **AEP - PD&A: ARIS Architect Beginner Modeling Exercises- University Edition** has to be done using the **United Motor Group** database.

- Start **ARIS Architect & Designer**
- Switch to the Explorer tab. Right-click on **United Motor Group** database
- Use the "Log in with options" and use Filter: "Entire method", Version context: "Workspace"

If the UMG database doesn't already exist in ARIS Architect, you can find it in the **BPM Exercises with ARIS: Database & other related material** you downloaded previously (see introduction section)

- Start **ARIS Architect & Designer**
- Switch to the Explorer tab. Right-click on **Local-> Restore Database**
- Chose the location of the United Motor Group.adb file (AEP_PDA_Materials\United Motor Group\United motor Group.adb)
- From the drop down select Restore as "Non Versionable database" and click on "Finish"

Information on how to use this guide

This chapter provides information on how to use this manual. In this manual, menu items, file names, etc. are identified by the following notational and formatting conventions.

Notation/Formatting	Example
Menu items, key combinations, dialog boxes, file names, model types, model names etc. are shown in **bold**.	Click on **Help** to access the Help menu items and open further information sources.
Entries via the keyboard, menu item selections are shown within double quotes " ".	Enter "system" as the user name and "manager" as the password. Select Model Types: "EPC" and Object Types: "Event", "Function".
Connection types are shown in *italics* and are <u>underlined</u>.	This symbol uses the connection type *<u>is predecessor of</u>*.
Sequences of menus and menu items are in bold and separated by forward slashes.	Right-click on the chart background and select **Display options/Show absolute indicator values**.
Sequence of actions and selections are separated by an arrow➔ and are in **bold**.	Go to **Configuration➔Method➔Model types**.
Entries with user-defined content are highlighted in bold type and enclosed in angle brackets.	Enter the path <**Directory**>\PPM.
One-line example texts, e.g. a long directory path, that need to be shown on several lines due to a lack of space are separated by the ↵ (arrow) symbol at the end of the line.	D:\Program Files\ppm\↵ xml\Adapter

Particular text sections are specially identified:

Warning

> ❗ Warnings indicate important instructions, where loss of data, semantical error or a safety risk could arise if they are not observed carefully.

Note

Notes will provide you with additional information.

Tip

Tips indicate references to explanatory notes, e.g. in manuals or in the online help.

See also

This refers to further information on the same topic or related topics within the document.

Hint

> ℹ️ Hints provide additional information to optimize your results.

United Motor Group (UMG) scenario

United Motor Group, a global automaker, has teamed up with **Software AG** consultants to launch an **ARIS** Value Engineering project, using the business process transformation method. After assessing UMG's strategic positioning and defining objectives, the team identified critical success factors, which need to be improved to achieve the defined strategy. Streamlining the business processes is the key to fulfilling this objective.
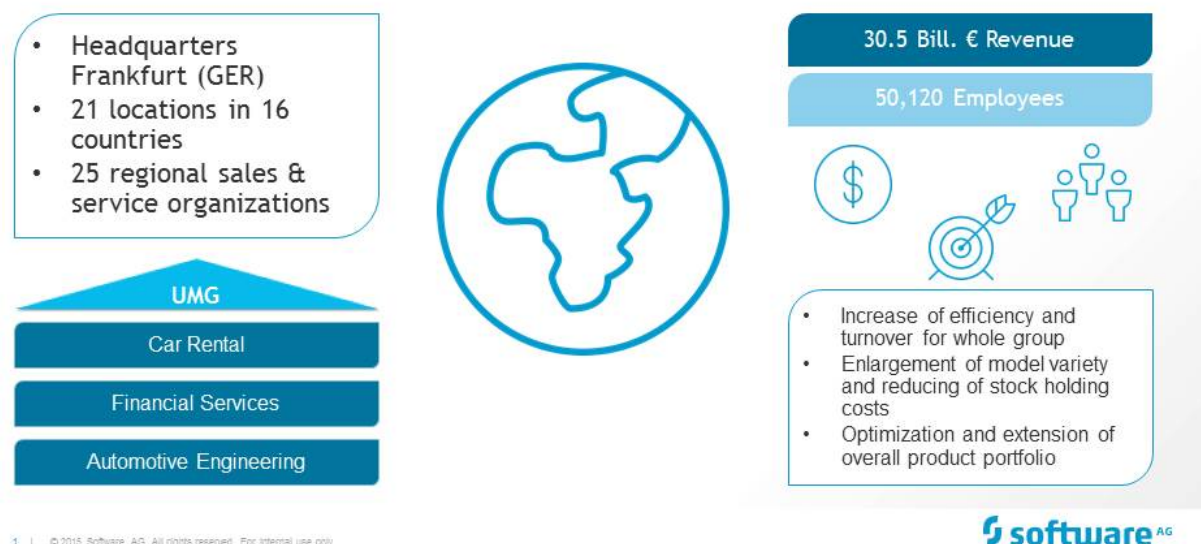

Figure 1 – Profile of United Motor Group

To create the necessary transparency with regard to business workflows, organizational structures and system landscapes, **ARIS Architect & Designer** has been selected as the modeling platform.

Note
Before getting started with the exercises, please make sure that you have read all the previous sections thoroughly.

Exercise 1 – Method Configuration: Derived Model Type

The objective of this exercise is to derive a process model from a **Value-Added Chain Diagram** (VACD).

A VACD is used in the United Motor Group project for different purposes. It is used to map Reference Processes (or process maps) and Scenarios (a rough process model for individual process map processes), each containing different objects and connections in the process maps. This project requires the VACD to be named **Company Process Map** instead of VACD. Utilize the steps below to derive this model from the model type VACD.

Procedure

1) Start **ARIS Architect & Designer**. Sign in with your user credentials: user: "system" and password: "manager".
2) Log in to **Architect_3** database. Right-click **Architect_3→Log in with options**. Use the filter "Entire Method", Versioning state: "Workspace".
3) Go to the Administration tab of **ARIS**: **ARIS**(Top left corner)**→Administration**
4) Go to **Configuration → Method → Model types → Value Added Chain Diagram → right-click → New → Derive model type**.
5) Name: "Company Process Map"**→ Next→ Next→ Finish**.

Exercise 2 – Create ARIS Filters

As an **ARIS** Administrator you would like to create a project filter that will be utilized by all Project team members (**ARIS** Designers). As there are three ways to create an **ARIS** filter it would be good practice to try all three. Method filters are available at the server level.

Objectives of this exercise:
- Create a New **ARIS** filter (Customize).
- Create an **ARIS** filter from an **ARIS** Database.
- Import an **ARIS** filter and create a new filter by merging 2 **ARIS** filters.

Procedure

Create a New ARIS Filter (Customized):

1) Go to the **Administration Module → Configuration → Conventions → Filter → New → Filter**. Name your Filter: "UR Filter Handmade" and provide a description **→ Next**
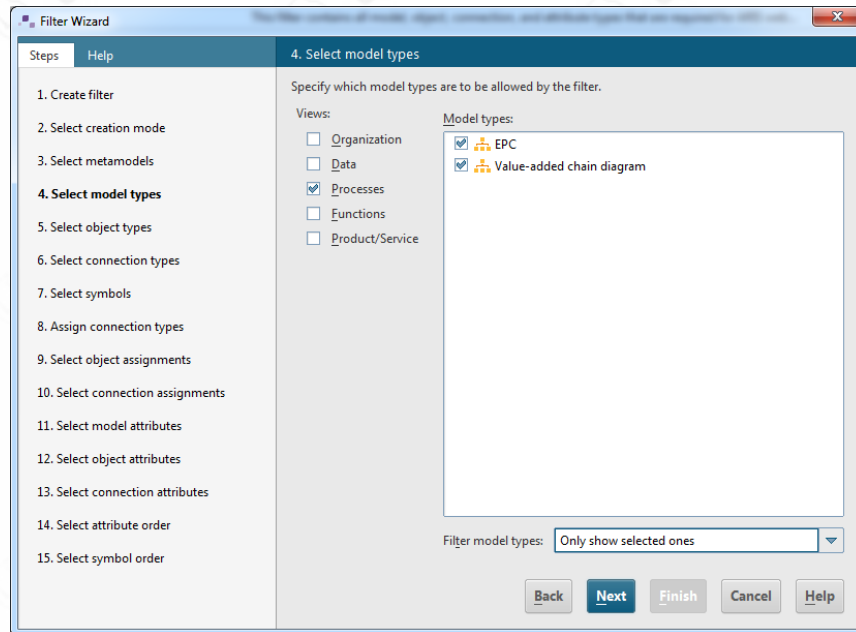

2) Select creation mode: "Customize" **→ Next**
3) Ignore the Selection of metamodel **→ Next**
4) Select model types: "EPC", "VACD" **→ Next**.
   Remember to select the **processes** view below views.

5) Select object types: "Event, Function, Organizational unit and Position"

6) Select connection types: "_activates_, _carries out_, _creates_, _is predecessor of_ and _is process-oriented superior_" → **Next**

7) Select symbols:
   a. "EPC – Event, Function and Position" ;
   b. "VACD – Organization unit (orange), Value-added chain (hover over the VACD symbol: Type number 141), Value-added chain (Type number 105)" → **Next**

8) Assign connection types: "EPC" – select ALL / "VACD" – select ALL → **Next**

9) Select object assignments: Function – select "EPC and VACD" → **Next**

10) Select connection assignments: do not select anything → **Next**

11) Select model attributes:
   "EPC – Main Group: Select ALL (select nothing from the other Attribute groups)"
   "VACD – Main Group: Select ALL (select nothing from the other Attribute groups)"
   → **Next**

12) Select object attributes:
   "Event – Main Group: Select ALL (select nothing from the other Attribute groups) /
   Function – Main Group: Select ALL (select nothing from the other Attribute groups) /
   Organizational unit – Main Group: Select ALL (select nothing from the other Attribute groups) /
   Position – Main Group: Select ALL (select nothing from the other Attribute groups)"
   → **Next**

13) Select connection attributes: do not select anything → **Next**

14) Select attribute order: do not select anything → **Next**

15) Select symbol order: "EPC" – move the Function object to the top of the list / "VACD" – move the Value-added chain (closed) to the top of the list → **Finish**

16) Now re-login with the **UR Filter Handmade** into the **Architect_3** and notice the changes.
Can you create an Organizational Chart? The answer should be **NO**.

Create an ARIS Filter from an ARIS Database:

1) Log out of the **Architect_3** and log in again with the "Entire method" filter. Now go to the **Administration tab** → **Configuration** → **Conventions** → **Filter** → **New** → **Filter**. Name your Filter: "UR Filter by database" and give it a description → **Next**.
2) Select creation mode: "Create automatically" → **Next**
3) Select database: "Architect_3" → **Finish**
4) Now re-login with the **UR Filter by database** into the **Architect_3** and notice the changes.
Can you create an EPC (row) or an EPC (column)? The answer should be **NO**.

Import an ARIS Filter and create a Filter by Merging 2 ARIS Filters:

1) Log out of the **Architect_3** and go to **Administration tab** → **Configuration** → **Conventions** → **Filter** → **Import** → "UR Filter for extended standard.filter" (found in AEP_PDA_Materials \Architect_3\Exercise 02\) → **OK**
2) Next, select → **Configuration** → **Conventions** → **Filter** → **New** → **Filter**. Name: "UR Filter merged" and give it a description → **Next**
3) Select creation mode: "Merge filters" → **Next**
4) Select filter: "UR Handmade and UR Filter for extended standard" →**Finish**
5) Now re-login with the **UR Filter merged** into the **Architect_3** and notice the changes.
Can you create an **EPC (column)**? The answer should be **YES**.
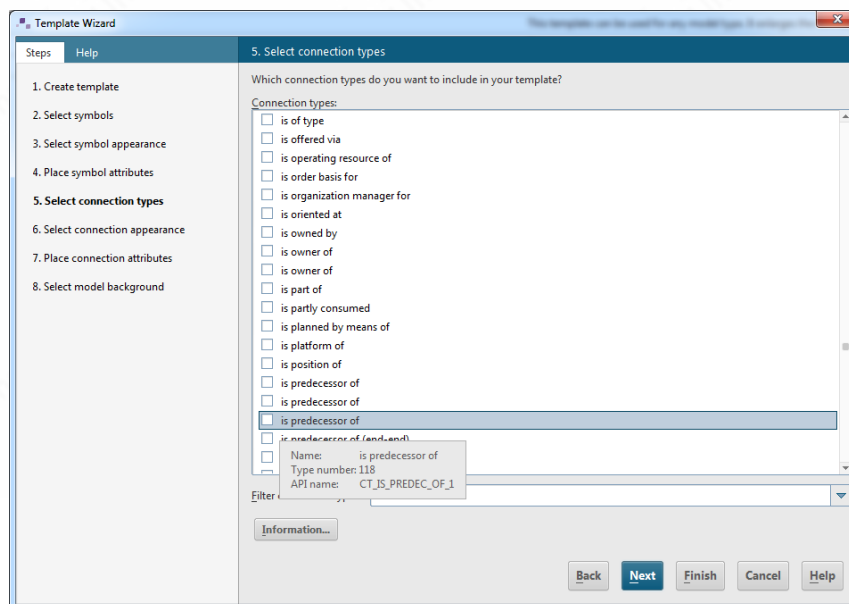
Exercise 3 – Create an ARIS Template

As the **Value-Added Chain Diagram** is often used as an entry model for detailed processes, it should look particularly appealing. Your task is to create a new template for the **Value-Added Chain Diagram**.

Objectives of this exercise:

- Create an **ARIS** template for Model Type – VACD.
- Assign Template to all VACD.

Procedure

1) Switch to the Administration tab → **Configuration** → **Conventions** → **Templates** → **New** → **Template**. Name the template: "UR Layout Template for VACD" and provide a description → **Next**.
2) Select symbols: "Organizational unit (orange), Value-added chain (closed) and Value-added chain (open)" → **Next**
3) Select symbol appearance:
   - Organizational unit: Fill color: "purple"; Line style: "solid"; Line weight: "10"; Shadow;
   - Value-Added Chain (open): Fill color: "light blue"; Line style: "solid"; Line weight: "10"; Shadow;
   - Value-Added Chain (closed): Fill color: "blue"; Line style: "solid"; Line weight: "10"; Shadow → **Next**.
4) Place symbol attributes: leave it as it is → **Next**
5) Select connection types: "*is predecessor of*" (hover over the connection type and select type number "118") → **Next**

6) Select connection appearance: "*is predecessor of*" - Line color: "yellow"; Line style: "solid"; Line weight: "5"; Arrow towards target: ⟶ → **Next**

7) Place connection attributes: leave it as it is→ **Next**

8) Select model background: "pink" → **Finish**

9) Switch to the Explorer tab and open the **Core Business Processes (VACD)** → **Format** → **Template** → **UR Layout Template for VACD** → **OK** → **Yes**

10) Now apply it to all future VACDs that will be created in **ARIS** by selecting **ARIS** → **Options** → **Model** → **For new models** → **Representation**

11) Then select model-type specific templates → **Add** → **VACD** → **OK** → select the **UR Layout Template for VACD** → **OK** → **OK** → **OK**.

In the **United Motor Group** create **New** → **Model** → **VACD** → **Template Test** to verify that the template was applied automatically.

Exercise 4 – ARIS Symbol Editor

Objects with assigned models in **ARIS** are identified with an Assignment Icon. However, many decision makers at United Motor Group would like to have a more specific Assignment icon symbol. You have the job of creating a new assignment icon in the **ARIS Symbol Editor** and then replacing the default Assignment icon with the newly created symbol.

Objectives of this exercise:

- Create a new symbol in the **ARIS Symbol Editor**
- Assign the symbol to the **Architect_3** database as the Assignment Icon
- Add a new symbol for a Function

Procedure

1) Launch the **ARIS Symbol Editor**.
2) Create a new symbol – be imaginative and create it according to your own requirements.
3) Save your new symbol as "AssignmentIcon" and as an ".amf" file to your desktop.
4) Add the newly created Assignment symbol to the **Architect_3** Database.
5) Go to **Administration tab** → Right-click **Architect_3 database** → **Properties** → **Logo Management** → **Assignment** → **New** → Select the "AssignmentIcon.amfFarchitect_3" file from your desktop → **OK**.

Note

These changes will only take effect after a re-login to the database. Please re-login later (step 9), since another change which requires a re-login will be made before step 9.

6) You have been supplied with a "ProjectFunction.amf" file (found in AEP_PDA_Materials\Architect_3\Exercise 04\) that was created in the **ARIS Symbol Editor**. Add this symbol as new Function symbol. **Configuration** → **Method** → **Symbols** → **select the Function object (right side window)** → **New** → **Derive Symbol**
7) Create symbol: Name – "ProjectFunction"→ **Next**
8) Select graphic: Browse to select the 736-61E Symbol for "ProjectFunction.amf" object → **Finish**
9) The new symbols will be visible/ savailable as soon as you have logged out and logged in again.
10) Switch to the Explorer tab.
11) Open the **Sales Processes** EPC which can be found in the **Architect_3/United Motor Group / 2. Processes / Process Architecture / Core Processes / Sales Processes** group to verify that the Assignment Icon has now been changed and you can add 》 a ProjectFunction object to the Symbols palette.

Exercise 5 – Database Administration

As an **ARIS** Administrator you will need to understand and manage the **ARIS** database(s) of the project. Therefore, it is crucial that you consolidate objects with identical names (or other objects that really mean the same), reorganize the database on a schedule, backup the database and restore the database when necessary.

Objectives of this exercise:

- Consolidation
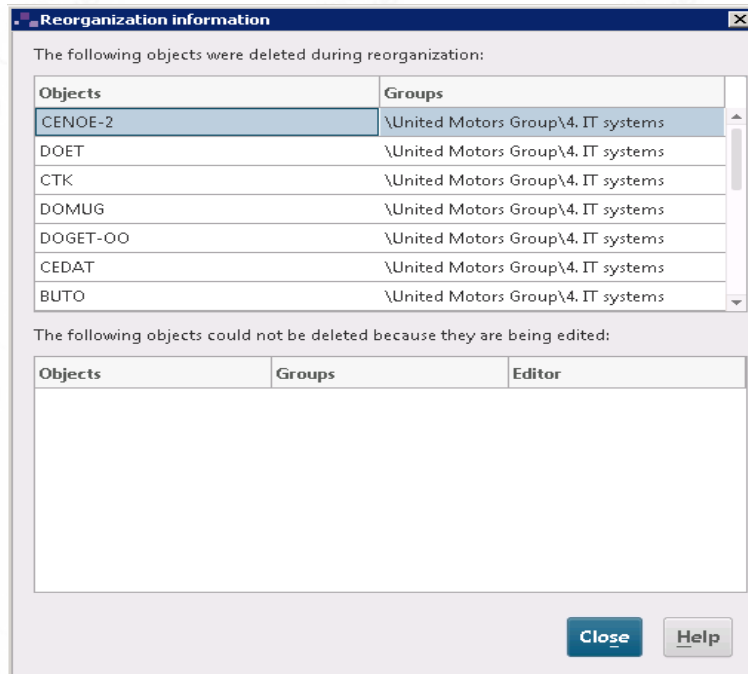- Reorganization
- Backup
- Restoration

Procedure

1) Switch to the Explorer tab and log into the **Architect_3** database with the "Entire Method" filter.
2) Select the **Core Processes** group - **Right-click** → **Find** → **objects with identical names** (all objects).
3) The **Sales** Function object will show that it has 3 objects with identical names.
4) Right-click on the **Sales object** → **Consolidate**.

> ⓘ **Never ever consolidate rules** (XOR, OR, AND). This would- for sure- break your modeled processes.

5) Select objects: leave as it is → **Next**
6) Select master object: Choose 1 Sales object then select "use as the master" → **Next**
7) Specify options: Select "merge attributes and delete after consolidation" → **Finish**
8) Conduct the Find again and notice the **Sales** object will no longer appear in the results box.
9) In the Explorer tab, in the Navigation filter select the objects box.
10) Now navigate to **United Motor Group / 2. Processes / Process Architecture / Core Processes** group and notice that the Function objects: **IT Development**, **Strategic Planning** and **Training** are included in this group, but not in any model. (You can verify this by opening the properties window from the context menu. In that window go to the "occurrences" section. The list should be empty.)
11) Switch to the Administration tab.
12) Right-click on the **Architect_3** database → **Reorganize** → **Yes** → **Yes** (the Result box is below).

i During reorganization all objects that have no occurrence will be deleted. To avoid deletion of library objects it is best practice to place those objects in a so called library model, before running reorganization. Do not connect the objects in library models.

13) Log out of the **Architect_3** database then right-click on the **Architect_3** database → **Rename** and add your initials after DB (e.g **Architect_3 Database_Bob**).
14) Select the DB with your initials and **Right-click → backup (save to your desktop) → OK**.
15) Select the DB with your initials and **Right-click → Delete → Yes**
16) Right-click on the **Local (or your server) → Restore → select the Architect_3 Database_Bob → Finish**
17) Now the database is back in **ARIS**.

Exercise 6 – What You See Is What You Get (WYSIWYG)

You would like to evaluate EPC's in your database using a report. In particular, you would like to output all EPC's as a graphic and as a list of the functions contained. This will also include a detailed description. Your report should be executable on all groups in your database.

To do this, create a report script using a report script template and set the desired queries (follow the steps provided below).

Procedure

Open a predefined report script template in order to adapt it to your requirements by following the instructions below

1) Go to the Administration tab. In the Navigation window open **Reports** from the server item on which the report script is managed.
2) Right click on **Reports→ New → Category**, to create a new Report Category called "Test Script". Now right click on the **Test Script** category to create a new report: **New → Report**. The Report Script Wizard will now open.
3) Specify the entries as follows
   a. Name: "UR -Test Script for EPC's";
   b. Subject: "Training script";
   c. Author: "your name";
   d. Company: "your company";
   e. Description: "ARIS Training – WYSIWYG: EPC Report Script" **→Next**.
4) Select **Group** in the context. The report will be executed on all groups of the database**→Next**.
5) Select "Use report script template".
6) Select the "Blank template".
7) As the output format, select "HTML" and "RTF" **→Next**. The report format for the output is either in HTML or RTF due to the selection made.
8) Select "Use cover page". A cover page is additionally created**→Finish**.

A cover page with title and date should be displayed. Follow the instructions below to do this.

1) Display the cover page by expanding the view.
   Click the ▶ button in the Cover page line in the Structure column. The cover page is subsequently expanded.

2) Click in the blank space to the right of the cover row and type "Test Report". Now highlight "Test Report". Use the graphical toolbar to specify the font, font size, color and style.

3) In a new line, enter the text "Date:"

4) Insert a text field to display the current date as follows:

    a. Right-click on the right side next to "Date:" **Insert → Insert text field**;

    b. Select "Date:" as the text field**→OK**.

5) Highlight "Date:" and use the graphical toolbar to specify the font, font size, color and style.

6) Hide the cover page by reducing the display to one line as follows:

In the Structure column click the ► button. The cover page is now set and the display is reduced to one line. The current date of the text field is inserted when the report is run.

The header and footer should contain general information such as company name, report name, date, and page number. Therefore, insert the corresponding text fields as instructed below.

1) Insert a formatting table with one row and three columns in the header

    a. Click in the header to place the cursor;

    b. In the main menu, click **Insert → Insert formatting table**;

    c. Number of rows: "1", Number of columns: "3" **→OK**.

2) Set the label for the header

    a. Click on the left column of the formatting table.

In the main menu, click **Insert → Insert image**. Select an image or insert a logo. You can select the "ARIS House.emf" image (found in AEP_PDA_Materials\Architect_3\Exercise 06\Symbols for the exercise). Leave "Image properties" with the default information **→ Finish**;

    b. Click the "Align left" button in the toolbar.

3) Click on the center column of the formatting table

    a. In the main menu, click **Insert → Insert text field**;

    b. Select the "Report name" as the text field;

    c. Click the "Align centered" button in the toolbar.

4) In the right column of the formatting table, insert the text "Date:" and a space to follow it.

    a. Right click next to the **Date → Insert → Text field**: 🔢 Date ;

    b. Click the **Align right** button in the toolbar.

5) Click on the page footer and insert the label and text fields to display the page number.

    a. Enter the text "Page of";

b. Behind "Page", insert a text field "Page number"; behind "Page number", insert a text field "Total pages". (i.e. Page "page number" of "total pages");
c. Highlight both text fields and bold them;
d. Click the **Align right** button in the toolbar.

Label and text fields in the header and footer are set.

A Table of contents should be inserted automatically; insert the corresponding text field as indicated here.

1) Place your cursor in the static area in the column Contents.
2) In the main menu, click **Insert → Text field**.
3) Select the "Table of contents" entry from Available text fields list **→OK**.

A **Static area** section with a **Table of contents** text field is automatically inserted. The Table of contents is automatically created and displayed when the report is run.

A first level heading should output the group path of each queried group. To output the heading for each group, the heading must be inserted in the repetition area of the selected groups section. Follow the instructions below.

1) Click in the repetition area (**For all: Selected groups** in the column **Contents**) of the **Selected groups** section and enter the text **Group path**.
2) In the main menu, click **Insert → Insert data field**.
3) Under Items of: selected groups select "Group path" as the data field **→ Next → Finish**.
4) Highlight this information and select from **Edit style** field in the toolbar, select the format **Heading 1**.

The heading for the output of the group path is displayed in the report script template.

All EPCs of the selected groups should be queried and have a graphical output. In addition, the model name should be displayed as a heading for each model. To do this, insert a subsection for the desired query in the repetition area, define the data of the query and output the heading and the EPC as a graphic, using a data field as described below.

Inserting a subsection

1) Insert a line break behind the set heading for the group path.
2) In the toolbar, click on the **Insert Section here** button. The **Create section Wizard** opens. →**Next**.
3) In step 2, Assigned data: go to "Available data", tick "has repetitions" and select the "Model list (filterable by type)" item under **Item of: Selected groups**. Move this selection to "Data for the repetition" section on the right site using the right arrow → **Next**.
4) In the **Parameters box**, go to **Model types** and select the "EPC". Thus, only models of the type **EPC** are queried.
5) Enable the **Recursive** option. All subfolders are included in the query.
6) In the **Sorting box** select "Sort by Name"→ **Finish**.

A subsection is inserted with a query of all models of the type **EPC**.

Inserting a process name as heading

1) In the repetition area of the new subsection (**For all: Selected groups. Model list (filterable by type)**) in the column Contents, enter the text "Process:"
2) Insert a data field behind it for displaying the process name.
   a. In the toolbar, click on the "Insert data field" button. The **Insert data field Wizard** opens;
   b. Under **Item of: selected groups. Model list (filterable by type)**, select the item name → **Next**→ **Finish**.
3) Format the text with **Heading 2**.

A heading which outputs the names of the individual EPCs is inserted.

Inserting a process name as heading

1) Insert a line break behind the heading.
2) In the same way, insert a data field with the data item **Graphic** under the heading.

A data field which outputs all graphics of the individual EPCs is inserted.

A list of the functions containing the individual EPC's will be the output. In addition, the maintained descriptions and the data on time and costs are displayed in each case. For this, a data table is inserted in the repetition area of the EPC query. The data table queries all functions of the EPCs. Using data fields, the output of the functions are the attribute fields' name, description, time, and costs. The data table queries all functions

of the EPCs and the attribute fields name, description, time and costs of the functions are output using data fields. These steps are described here:

Inserting a data table

1) Insert two line breaks behind the graphic.
2) Right click in the repetition area of the subsection of the EPC query, i.e. subsection (**For all: Selected groups. Model list (filterable by type))** and select "Insert/Insert data table". The **Insert data table Wizard** opens.
3) Enter Number of columns: "4".
4) In addition, tick the options "Has header" and "Repeat table header on each page"→ **Next**.
5) Under **Item of: Selected groups. Model list (filterable by type)**, select the item "Object definitions (filterable by type)" →**Next**.
6) In the Parameter box go to Object type → "Function".
7) In the Sorting Box go to Sort by → **Name** → **Finish**.

A new subsection is inserted with a data table which queries the functions of the individual EPCs.

Formatting the header of the table

1) Select the first row of the data table.
2) In the toolbar go to the Table tab and select "Cell Background". Set any background color you like by clicking on the color selection field and selecting a color → **OK**.
3) In the header of the individual columns, insert the following titles: "Functions, Description, Average processing time, Costs".
4) Highlight the first row; go to the **Start tab** → **Table header from Edit Style**.

The first row of the data table is displayed with a colored background and individual column titles.

Inserting data fields

1) Right click on the second row under the title **Functions** →**Insert/data field**.
2) Select the data item **Name**→**Next**→**Finish**. A data field which lists the individual function names of an EPC is inserted.

3) In the second row in the Description column, insert a data field with the data item **Attribute (filterable by type)** and in the second step of the wizard select attribute type "Description/Definition" in the **Parameter Box**.

4) In the remaining columns, insert further data fields with the data item Attribute and in the second step of the wizard select the following:

    a. For the **Average processing time** column, select the Attribute type "Avg. processing time";

    b. For the **Costs** column, select the Attribute type "Average total costs".

5) Save the report and run it on the main group.

Exercise 7 – Semantic Check: Create and Use Rule and Profile

Modelers should check their process models for methodological correctness and completeness before presenting them to the process manager for approval. To ease the modelers' work load, you want to put the relevant semantic checks together in a profile. You have identified several of the existing structure rules as being relevant, but noticed that **ARIS** does not have an attribute completeness rule for functions.

Objectives of this exercise:
- Create a Rule
- Create a Profile
- Run a Semantic Check Profile

Procedure
1) Switch to Administration tab.
2) Open **Evaluations → Semantic checks → Select Rule types → Object attribute rules → New → Rule with name UR UMG Functions → Select object type: Function → Next**
3) Select attributes: select the Add button: "Full name and Description/Definition"**→Finish**
4) Select Profiles → New Profile with name "UR UMG EPCs" for **Model → choose model → Next**
5) Select Rules:
   Object attribute rule: "UMG Functions";
   Structure rules:
   - "All functions/events have only one incoming/outgoing connection"
   - "Each Path Must Begin and End with an Event or Process Interface"
   - "No OR/XOR possible after event"
   - "Number of Outgoing and Incoming Connections at the Rule"**→Finish**
6) Switch to the Explorer tab.
7) Run the semantic check profile you have just created on all EPCs with status "Complete":
   Right-click on the **United Motor Group → Find →Find what**: "Models"
   a. Type: "EPC";
   b. Click on **Attribute filter** drop down, Add: "Model Status/Status";
   c. Constraint: "equal to";
   d. Value: "Complete".
8) Right-click on the **Process Customer Inquiry EPC** that was found in the results box → **Evaluate → Start semantic check → Profile: UMG EPCs**
   Select output setting: "Word document"; save to the desktop; display results **→Finish**.

About

The **AEP - PD&A Architect Administration Exercises- University Edition** is a part of a series of three tutorials:

- AEP - PD&A Architect Beginner Modeling Exercises- University Edition
- AEP - PD&A Architect Advanced Modeling Exercises - University Edition
- **AEP - PD&A Architect Administration Exercises - University Edition**

These tutorials are aimed to help students who do not have any specific knowledge of Process Model and Design and who would like to teach themselves how to design, implement and simulate a business process. Finishing all three tutorials will help students further improve their knowledge on Business Process Management, modeling and gain expertise in **ARIS Architect**.

We hope you enjoyed working with **ARIS Architect** and **AEP- PD&A Architect Administration Exercises- University Edition**.

With this tutorial:

- You learnt the basics of Business Process Management
- You are now familiar with the various modules and functionality of **ARIS Architect**
- With the successive exercises you familiarized yourself with working on various model types- Value added chain diagrams (VACD), Organizational charts, Application System Type Diagram Event-Driven Process Chain (EPC)
- You are now comfortable with creating, testing and evaluating these models with the help of **ARIS Architect**

For more information on **ARIS** products, **ARIS Education Packages** and to network with Business Process Management experts, visit ARIS Community.

Thank you!