ARIS ARCHITECT
QUICK START GUIDE

VERSION 10.0 - SERVICE RELEASE 9

July 2019

This document applies to ARIS Version 10.0 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.

Copyright © 2010 - 2019 Software AG, Darmstadt, Germany and/or Software AG USA Inc., Reston, VA, USA, and/or its subsidiaries and/or its affiliates and/or their licensors.

The name Software AG and all Software AG product names are either trademarks or registered trademarks of Software AG and/or Software AG USA Inc. and/or its subsidiaries and/or its affiliates and/or their licensors. Other company and product names mentioned herein may be trademarks of their respective owners.

Detailed information on trademarks and patents owned by Software AG and/or its subsidiaries is located at http://softwareag.com/licenses.

Use of this software is subject to adherence to Software AG's licensing conditions and terms. These terms are part of the product documentation, located at http://softwareag.com/licenses and/or in the root installation directory of the licensed product(s).

This software may include portions of third-party products. For third-party copyright notices, license terms, additional rights or restrictions, please refer to "License Texts, Copyright Notices and Disclaimers of Third Party Products". For certain specific third-party license restrictions, please refer to section E of the Legal Notices available under "License Terms and Conditions for Use of Software AG Products / Copyright and Trademark Notices of Software AG Products". These documents are part of the product documentation, located at http://softwareag.com/licenses and/or in the root installation directory of the licensed product(s).

Contents

1 Text conventions 1

2 Before you start 2

3 Prerequisites 3

4 Prepare 4

4.1 Start ARIS Architect 4
4.2 Create database 5

5 Create model and specify settings 6

5.1 Create a model 6
5.2 Hide grid 9
5.3 Set up default distance 10
5.4 Model 11

5.4.1 Create the basic control flow model 12
5.4.2 Assign work steps to organizational units 15
5.4.3 Insert a missing object 18
5.4.4 Create object occurrences 19
5.4.5 Assign supporting systems 21
5.4.6 Configure Smart Modeling toolbar 23
5.4.7 Rename objects 24
5.4.8 Place attributes 25

5.5 Save model 28

6 Print model 29

7 Close model 30

8 Legal information 31

8.1 Documentation scope 31
8.2 Data protection 32
8.3 Disclaimer 32

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 (for example, 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.`
- Warnings have a colored background:

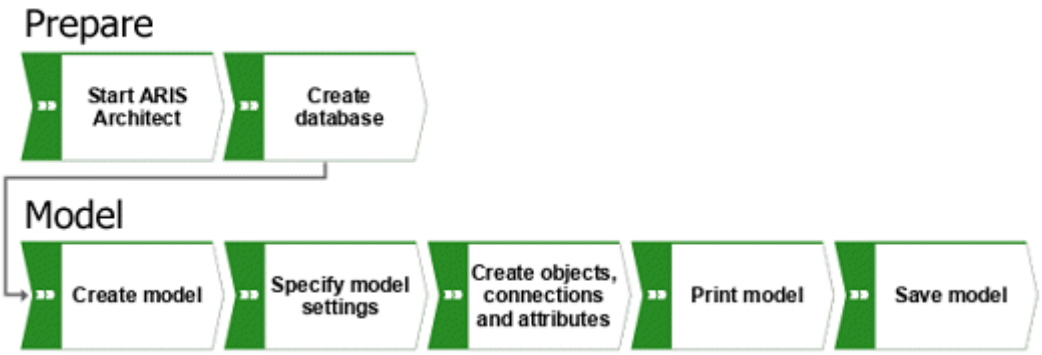
Warning

This paragraph contains a warning.

2 Before you start

This Quick Start Guide introduces you to the basic functions of ARIS Architect. Using simple examples, you learn about important workflows for creating models, as well as for evaluating model content.

After specifying the required settings, you will first create a model of the **EPC** type and then evaluate it with a report. Your work with ARIS Architect can be divided into the following phases:



The Quick Start Guide guides you step by step through the required workflow.

If you have questions about working with ARIS Architect, you can use the online help:

- If you need help on an open dialog, click the **Help** button of the dialog.
- If you require additional information, click **ARIS > Help** in the menu bar.
- If you need method help you can press the **Ctrl + F1** keys at many points in the program; the Method help opens. If, for example, you have opened a model of the **EPC** type and press **Ctrl + F1**, the **EPC** type will be explained. If you have selected an object while pressing the **Ctrl + F1** keys, the Method help for this object is opened instead.

The screen graphics in this manual may differ from your program interface, because different functions may be provided in ARIS Architect depending on your license.

3 Prerequisites

This description assumes that you have logged in as a user with an ARIS Architect license and you have the **Database administrator** function privilege.

To make optimum use of this Quick Start Guide, you should be able to access the standard filter and user settings from ARIS Architect. In addition, it is assumed that your system administrator provided you with a link to the download client and that you, as a user, were created with the necessary privileges in the system. In case of doubt, please contact your system administrator.

4 Prepare

In this chapter you will find information about the program start and the preparations you must make before modeling.

4.1 Start ARIS Architect

This description assumes that the prerequisites for working with ARIS Architect (page 3) are fulfilled.

Procedure

1. Enter the link for the download client in the address bar of your browser. This link should have been provided to you by your system administrator.
2. Select **ARIS Architect / Designer** and click **Start**. A JAR archive is displayed, which can be directly opened or saved, depending on the browser you are using. If you have saved the JAR archive, you can start ARIS Architect directly by double-clicking this file in the future.
3. When the **Connection** wizard is opened, click **Finish**. The **Run ARIS** dialog opens.
4. Log in with the user ID provided to you.

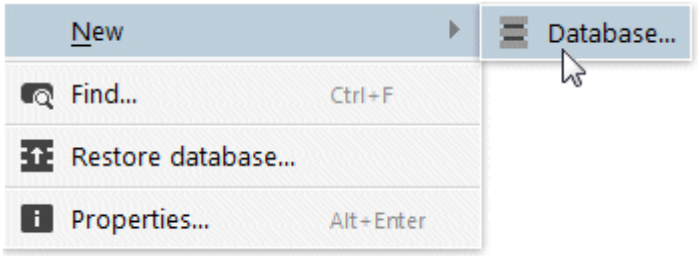
ARIS Architect opens.

4.2 Create database

In the following, you will create a database in which you save the data that you generate while working with the Quick Start Guide.

Procedure

1. Close the **New tab** tab by clicking on ✕ **Close**. The **Explorer** tab is activated.
2. Right-click your server and select **New >** **Database**.



3. The **Create database** dialog opens. Enter **Business processes** as database name and leave the check box **Versionable** deactivated.
4. Click **OK**.
5. Click the ▶ arrow in front of of the database. The **Login** Wizard opens.
6. Retain the **Entire method** filter ans d click **Finish**.

You have created the **Business processes** database and logged into it.

5 Create model and specify settings

On the following pages, you will learn how to create your first model and make settings for modeling.

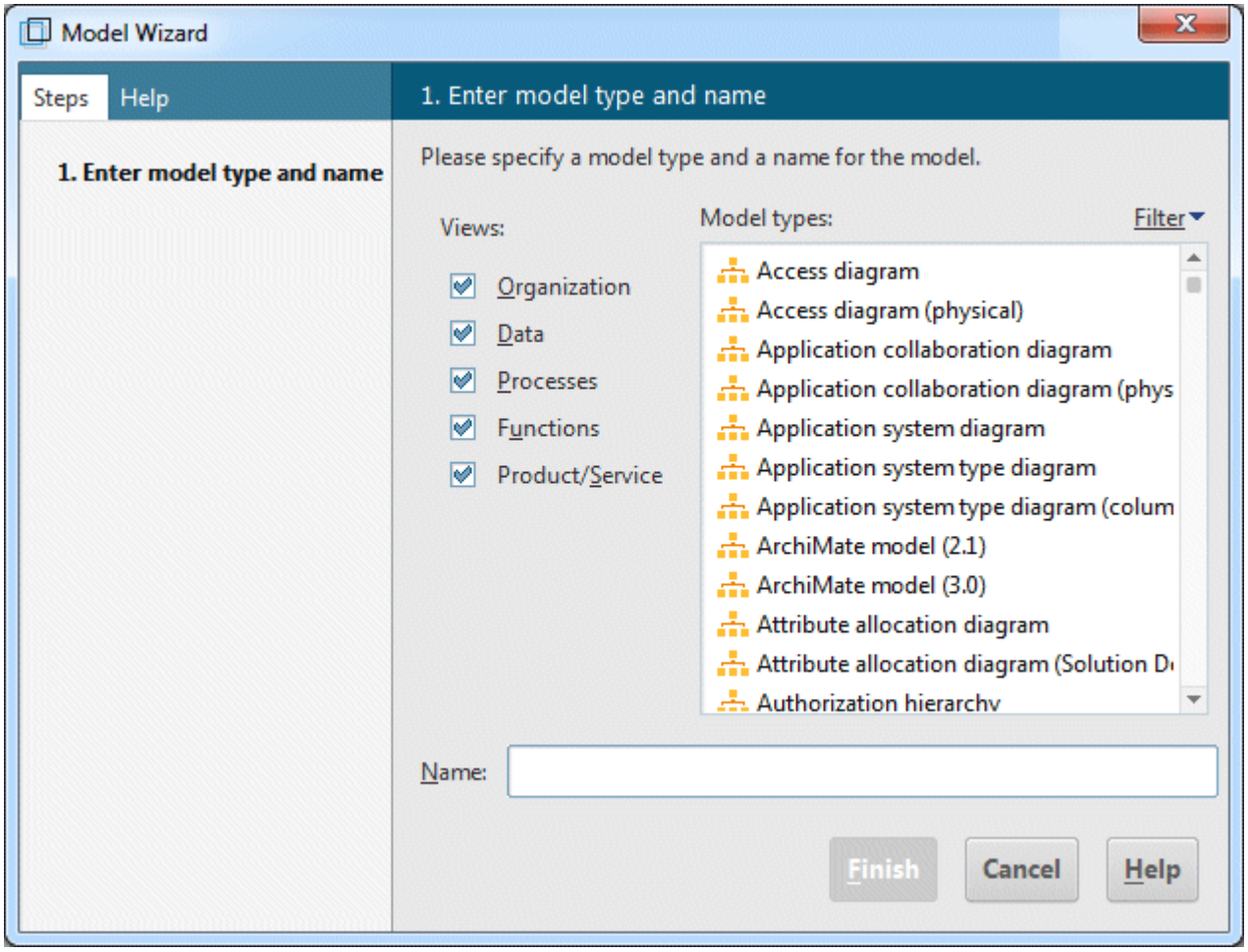
5.1 Create a model

To create the **Customer acquisition** EPC, proceed as follows.

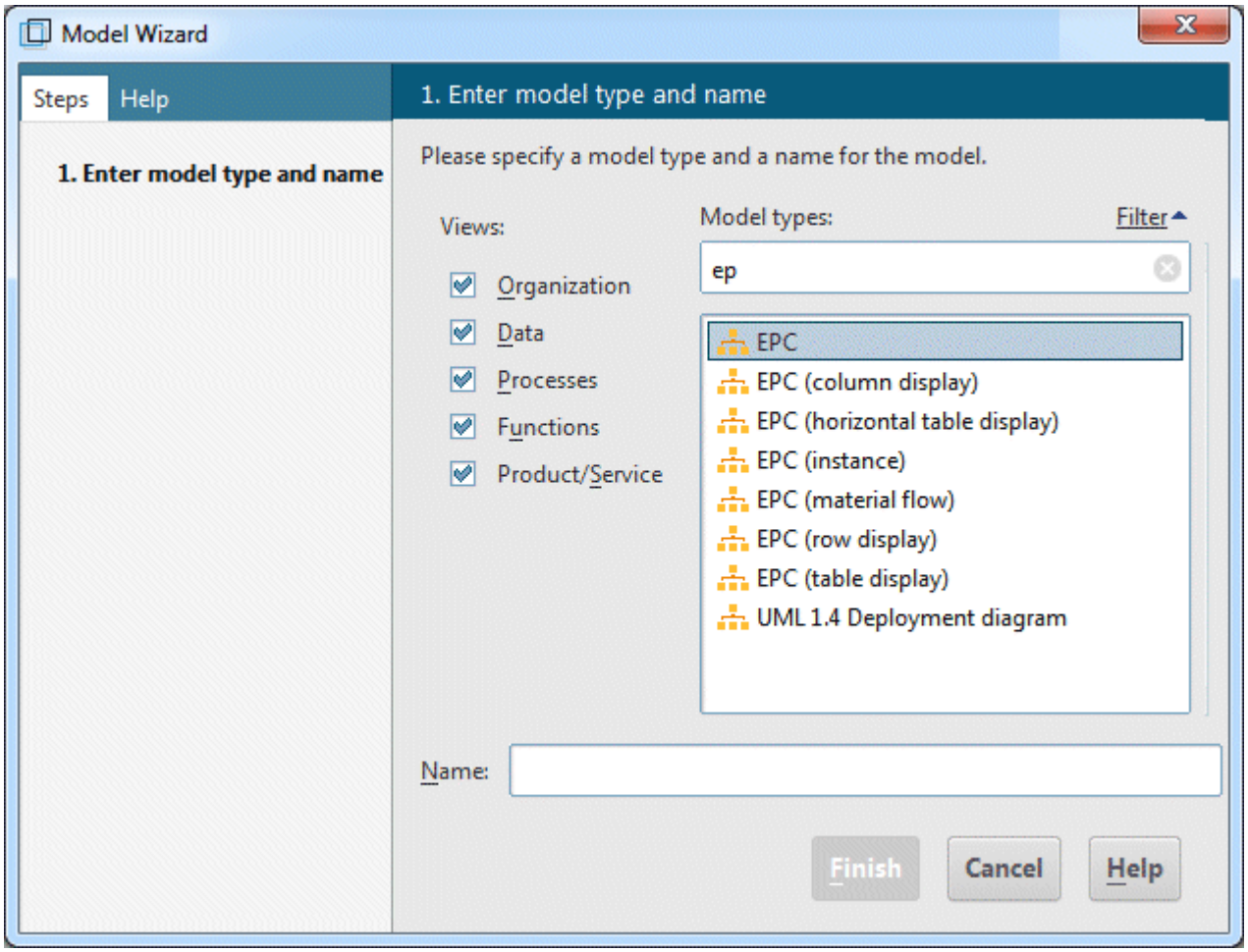
Procedure

1. Click the arrow in front of the **Business processes** database in the **Navigation** bar. The **Main group** folder is displayed, in which you store the new model.
2. Right-click **Main group** and click **New > Model**.

   The **Model Wizard** opens.

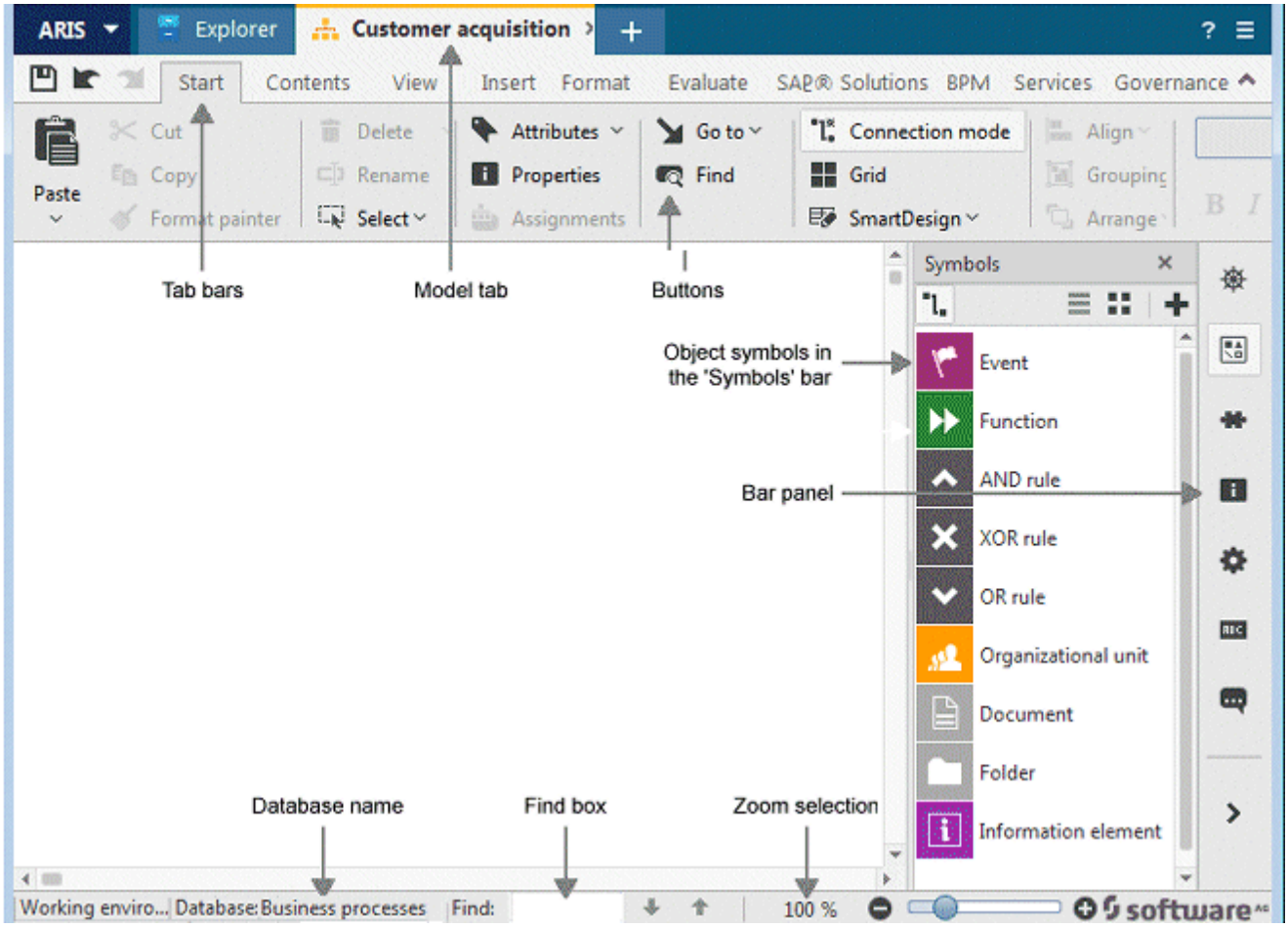


3. Enter **ep** in the **Model types** field to reduce the number of model types displayed.



4. Click **EPC** in the **Model types** field.
5. Enter the name **Customer acquisition** in the **Name** box.
6. Click **Finish**. The **Customer acquisition** model is generated and automatically opens in a new tab.

The modeling area, various toolbars and various buttons are now available for creating your model.



5.2 Hide grid

Normally, you do not need the grid if you use Guided Modeling and Smart Modeling. Therefore, switch off the grid.

Guided Modeling provides lines and arrows that inform you about the orientation and distance of the items from adjacent items when you place or move objects and connections.

Smart Modeling provides automatic modeling features, such as creating space for new objects, placing objects, and reconnecting connections.

Procedure

Click **Grid**.

The grid is hidden.

5.3 Set up default distance

With Smart Modeling, objects are automatically placed in the specified default distance. In addition, Guided Modeling displays the default distance with a specific cursor ( ) when you move objects. Smart Modeling and Guided Modeling are enabled by default.

Procedure

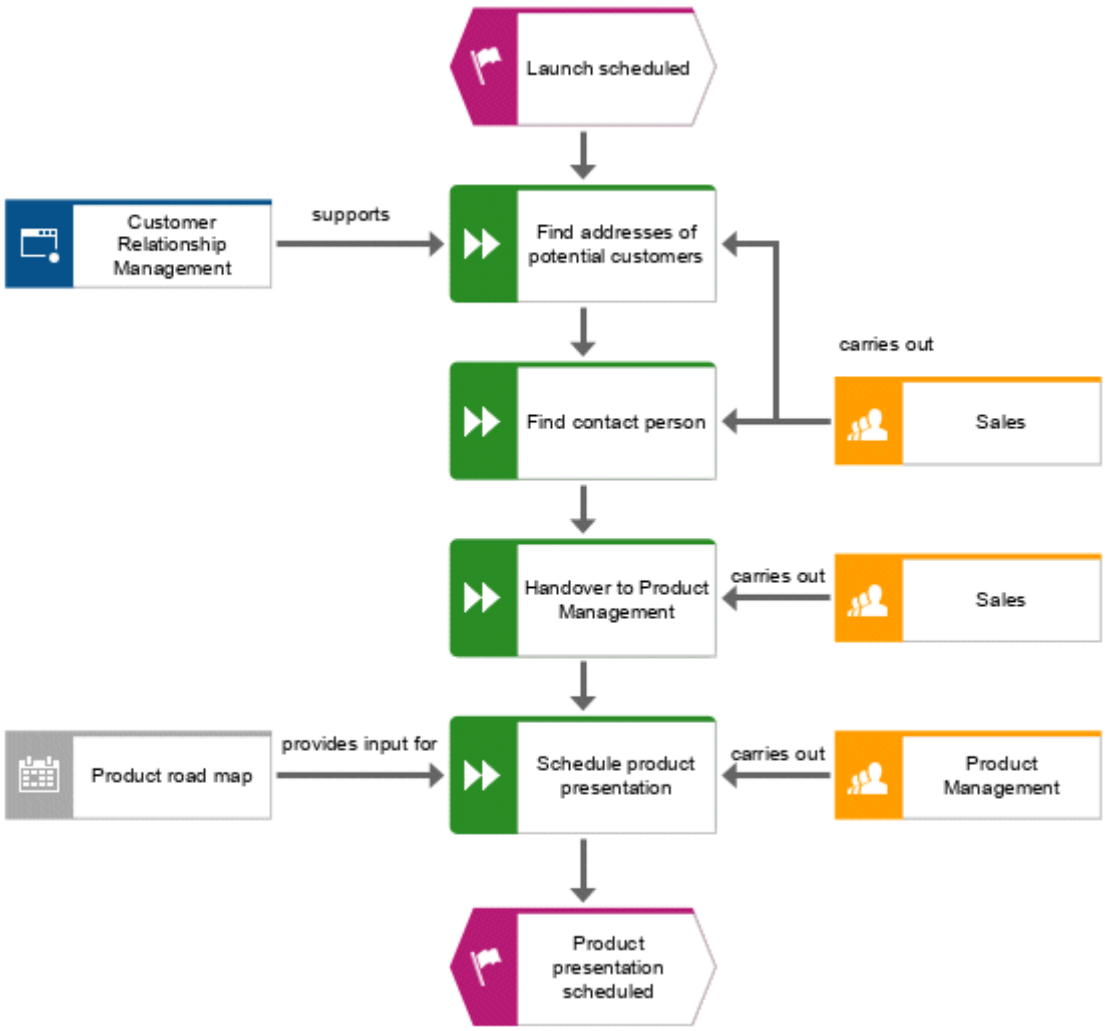
1. Click **ARIS > Options**.
2. On the **Selection** tab, click **Model > Layout**.
3. For **Minimum object spacing**, enter **20** for **Horizontally** and retain **10** for **Vertically**.
4. Click **OK**. The **Options** dialog is closed.

When you create a model with Smart Modeling, the objects are placed at the set distance.

5.4 Model

In the following sections, you place objects in your model and edit object attributes.

Your model will look like this after completion:



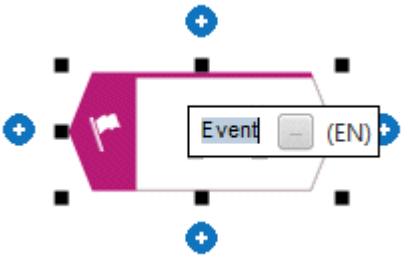
5.4.1 Create the basic control flow model

In this section, you create the basic control flow model, which includes the required work steps in the correct sequence.

Procedure

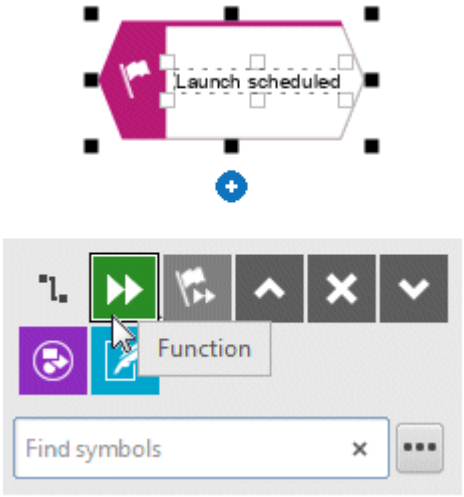
1. Click the **Event** symbol in the **Symbols** bar.

2. Move the mouse pointer to the position where you want to place the event and click again. The object is placed and its name is selected for overwriting.

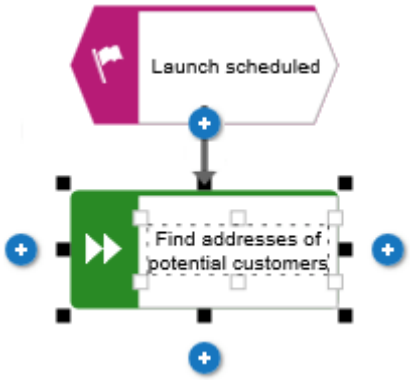


3. Enter a name for the event by overtyping the selection with **Launch scheduled** and press **Enter**.

4. Click **Insert at the bottom** under the **Launch scheduled** event.



5. Click **Function**. The function is placed in the default distance to the event and the name is selected for overwriting.
6. Since a function indicates that an activity must be performed, type **Find addresses of potential customers** and press **Enter**.



7. Create the following objects one below the other in the same way:
   a. Function: Find contact person
   b. Function: Schedule product presentation
   c. Event: Product presentation scheduled

The basic control flow model, which includes the required work steps in the correct sequence, is completed.

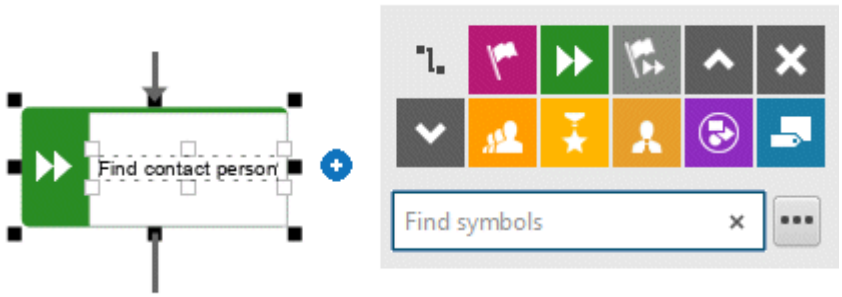
Launch scheduled
Find addresses of potential customers
Find contact person
Schedule product presentation
Product presentation scheduled

5.4.2 Assign work steps to organizational units

In this section, you assign the work steps (functions) to the organizational units that are to execute the functions.

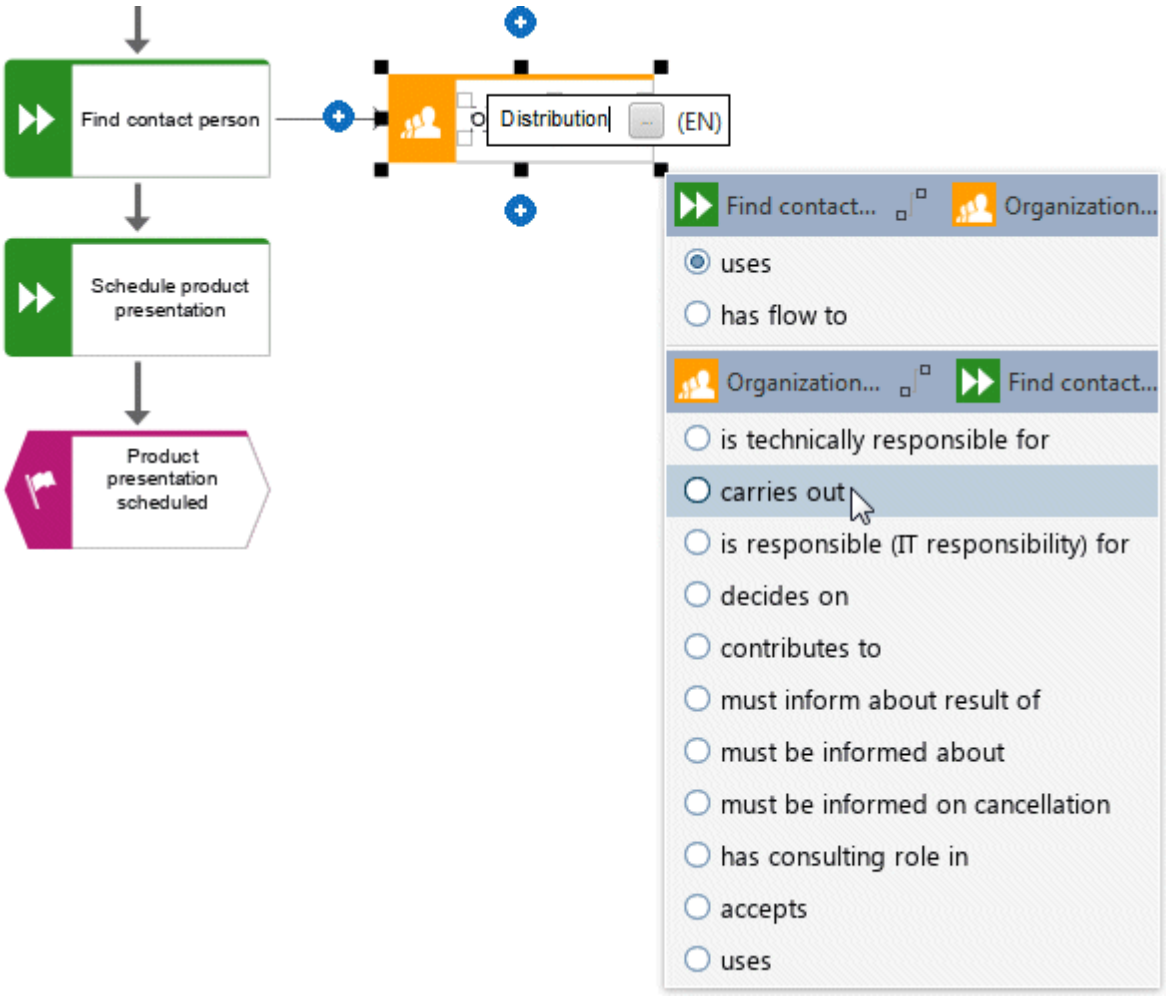
Procedure

1. Click the **Find contact person** function and then **Insert to the right**.
2. Click **Organizational unit**.

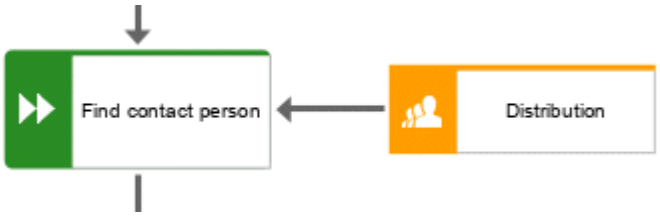


There are various connections available to connect the work step (function) and the organizational unit.

3. Enter the name **Distribution** and click **carries out**.

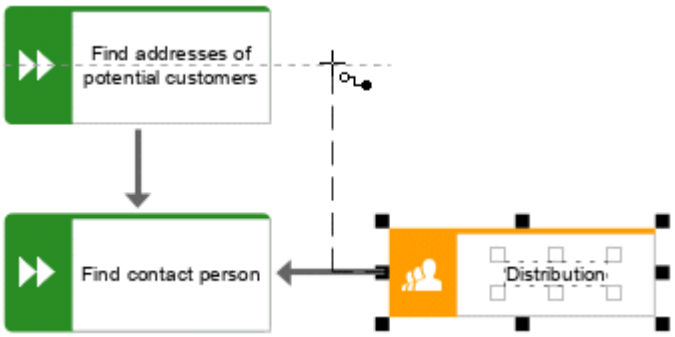


The organizational unit is placed.



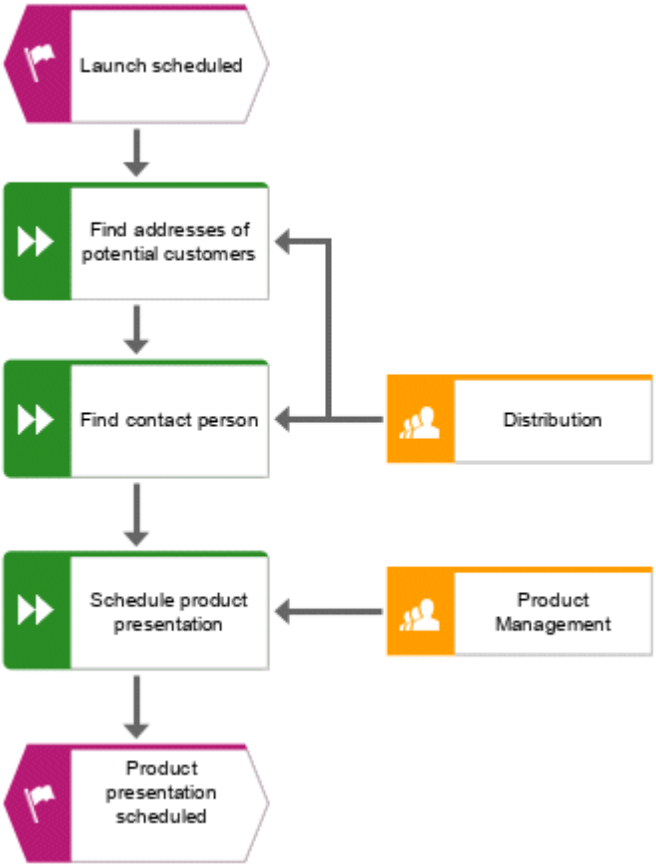
Not only the **Find contact person** work step, but also the **Find addresses of potential customers** work step is performed by the **Distribution** organizational unit. Therefore, connect **Distribution** with **Find addresses of potential customers**.

4. Click the **Distribution** organizational unit and then click **Insert to the left** and hold down the mouse button.
5. Move the mouse pointer to the border of the **Find addresses of potential customers** function. While you move the mouse pointer, the Guided Modeling line helps you to attach the connection centrally to the side of the object.



6. Release the mouse button when the connection anchor point is displayed. The connection selection is displayed.
7. Click **carries out**.
8. Click in the modeling area to keep the connection.

9. Now assign the function **Schedule product presentation** in the same way to the organizational unit **Product Management** as you assigned **Find contact person** to **Distribution**. The connection **carries out** is already selected, so click in the modeling area to finish. Your model now looks as shown.



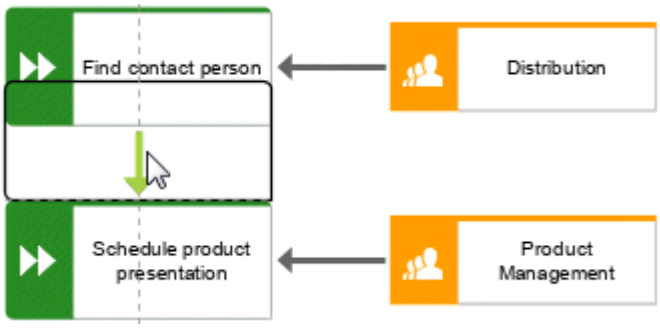
You have assigned the work steps to organizational units.

5.4.3 Insert a missing object

As you inserted the object **Product Management**, you noticed that the handover between the organizational units is not modeled. Do this now.

Procedure

1. Click the **Function** symbol in the **Symbols** bar.
2. Move the mouse pointer over the connection between the functions **Find contact person** and **Schedule product presentation**. The connection is colored green.



3. Click the connection. In one step the object is placed, the connection between the functions **Find contact person** and **Schedule product presentation** is removed, and connections from the new object to **Find contact person** and **Schedule product presentation** are created.
4. Enter **Handover to Product Management** and press **Enter**.

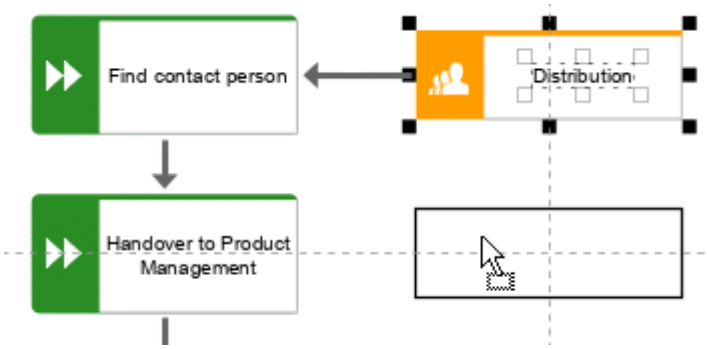
The missing object is inserted.

5.4.4 Create object occurrences

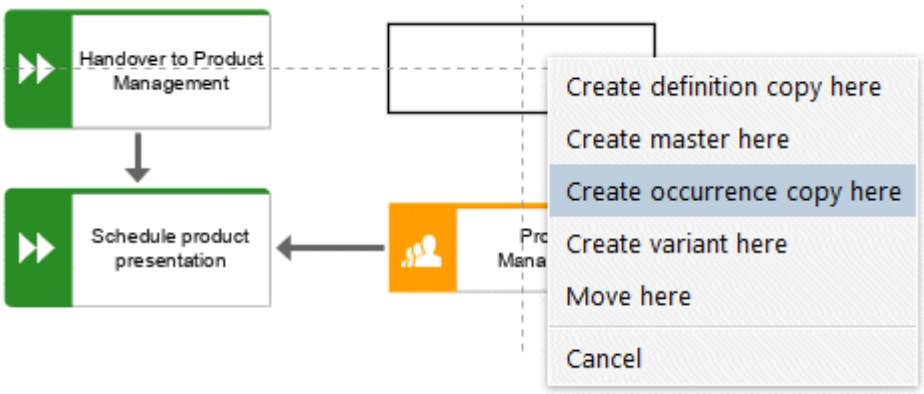
Of course, the **Distribution** organizational unit is also responsible for the **Handover to Product Management** step. To structure your model clearly, create an occurrence of the **Distribution** object beside the function **Handover to Product Management**. Object occurrences are copies of object symbols that represent the same object in one or more models. Each occurrence of the **Distribution** object you have created represents the object you have already created in this model. If you change an attribute, for example, the name of an occurrence, the names of all occurrences of this object change.

Procedure

1. Right-click the **Distribution** object and hold down the mouse button.
2. Move the mouse pointer beside the **Handover to Product Management** object. Lines indicate the distance and orientation of the moved object from the other objects. A preview frame of the object is displayed in the modeling area.

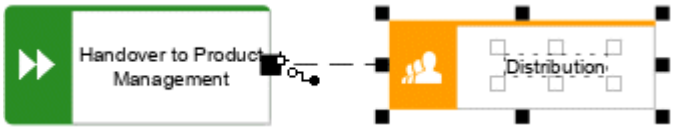


3. Release the mouse button and select **Create occurrence copy here**.



The **Distribution** occurrence copy is placed, selected, and the **Insert** icons are displayed.

4. Click **Insert to the left** and hold down the mouse button.
5. Move the mouse pointer to the border of the **Handover to Product Management** function and release the mouse button when the connection anchor point is displayed.



The connection selection is displayed.

6. Click **carries out**.

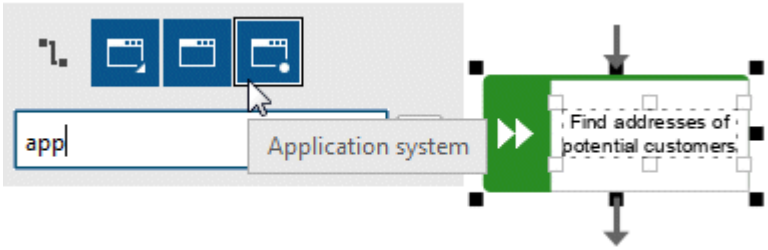
The occurrence copy is created and connected to the work step.

5.4.5 Assign supporting systems

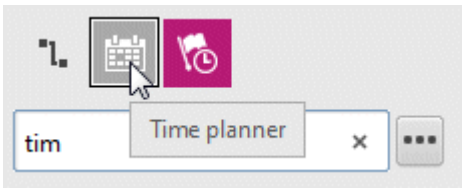
In this section, you assign the systems that support the work steps.

Procedure

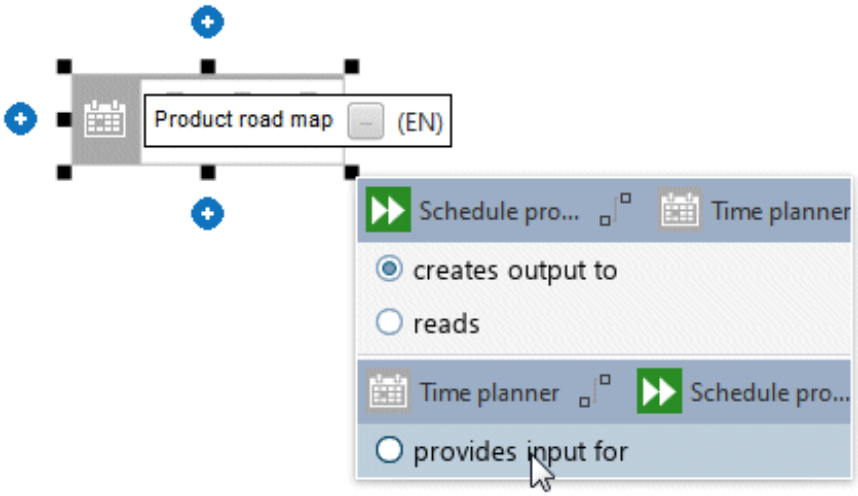
1. Click the **Find addresses of potential customers** function and then **Insert to the left**.
2. Because the application system is not listed in the **Smart Modeling** toolbar, enter **app** in the **Find symbols** box. The **Application** object symbols are displayed.



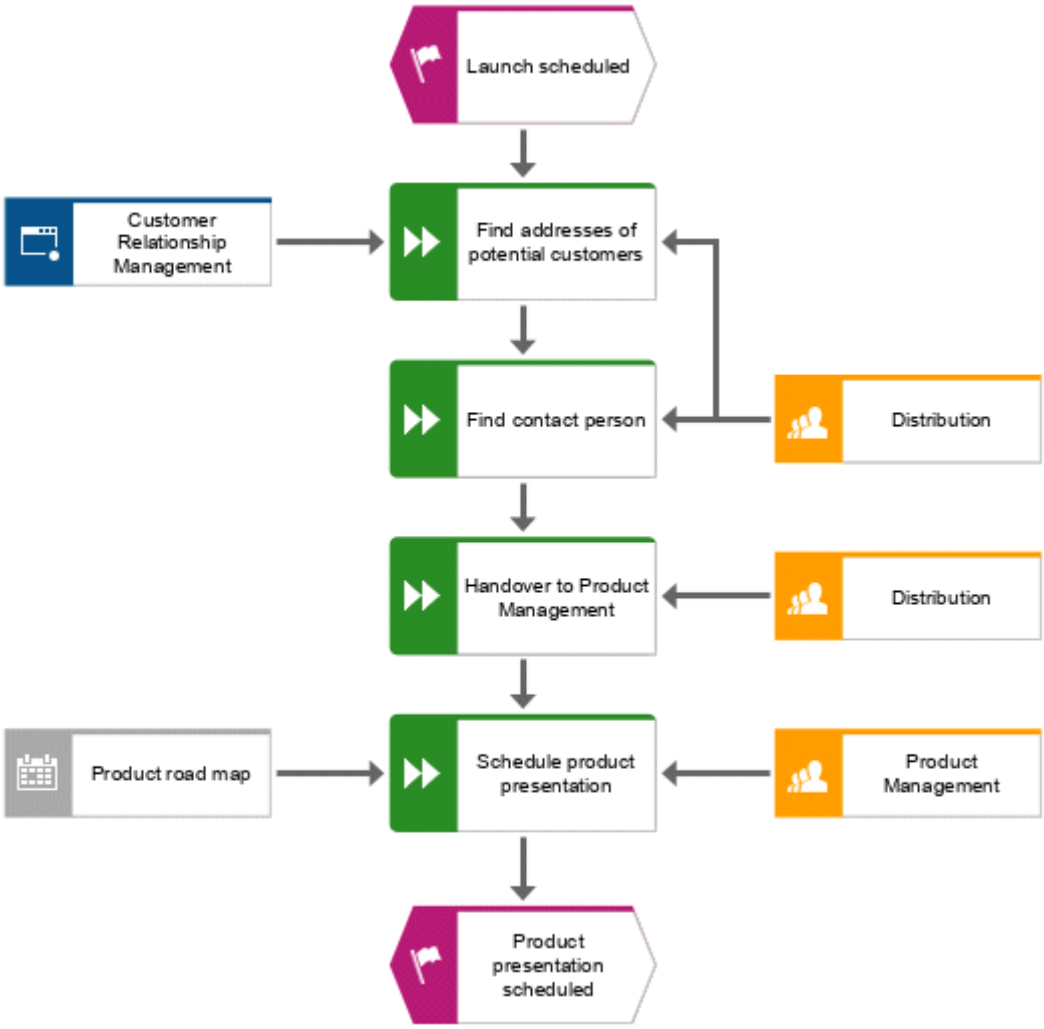
3. Click **Application system**. The application system is placed.
4. Enter the name **Customer Relationship Management**. The supporting system is placed.
5. Click the **Schedule product presentation** function and then **Insert to the left**.
6. Because the **Time planner** object is not listed in the **Smart Modeling** toolbar, enter **tim** in the **Find symbols** box. The **Time planner** object symbol is displayed.



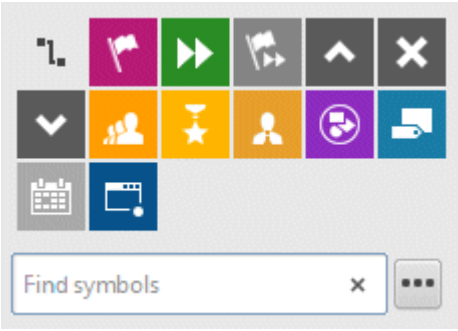
7. Click **Time planner**.
8. Enter the name **Product road map** and click the **provides input for** connection.



The supporting systems are assigned. The current model looks like this:



Object symbols that are placed using the **Find symbols** box of the **Smart Modeling** toolbar are automatically added to the **Smart Modeling** toolbar for the respective object. Therefore, the object symbols of the application system and the time planner are now available in the **Smart Modeling** toolbar for objects of type **Function**.



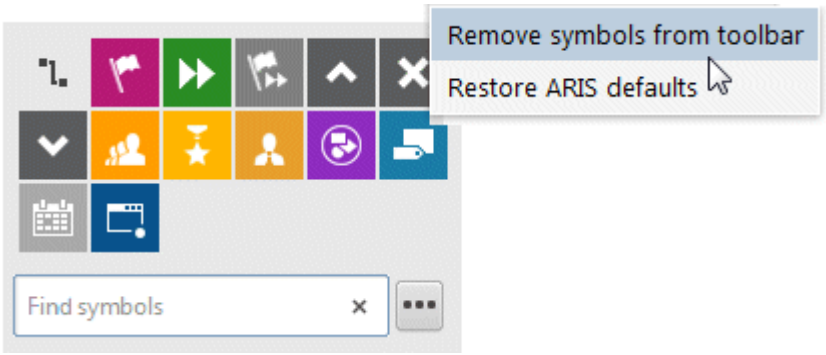
You can configure the **Smart Modeling** toolbar.

5.4.6 Configure Smart Modeling toolbar

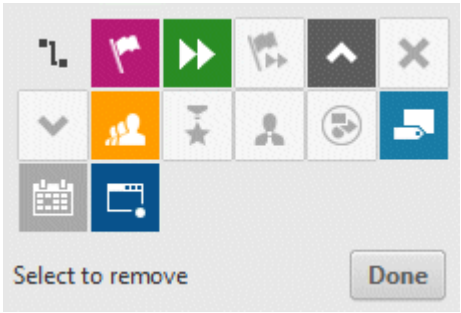
In this section, you customize the **Smart Modeling** toolbar to your needs. In the following procedure, you can click any **Insert** button of any function object, since you do not change the model, but only the number of object symbols that the **Smart Modeling** toolbar provides for functions.

Procedure

1. Click a function and click any **Insert** button.
2. Click **Configure > Remove symbols from toolbar**.



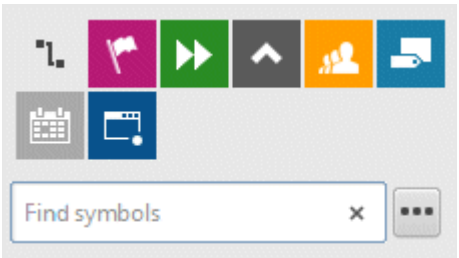
3. Click the object symbols you want to remove. They are grayed out.



   If you want to exclude an already selected object symbol from removal, click the object symbol again.

4. Click **Done**.

The selected object symbols are removed from the **Smart Modeling** toolbar. If you click the **Insert** button of an object of **Function** type, the following object symbols are now offered.



5.4.7 Rename objects

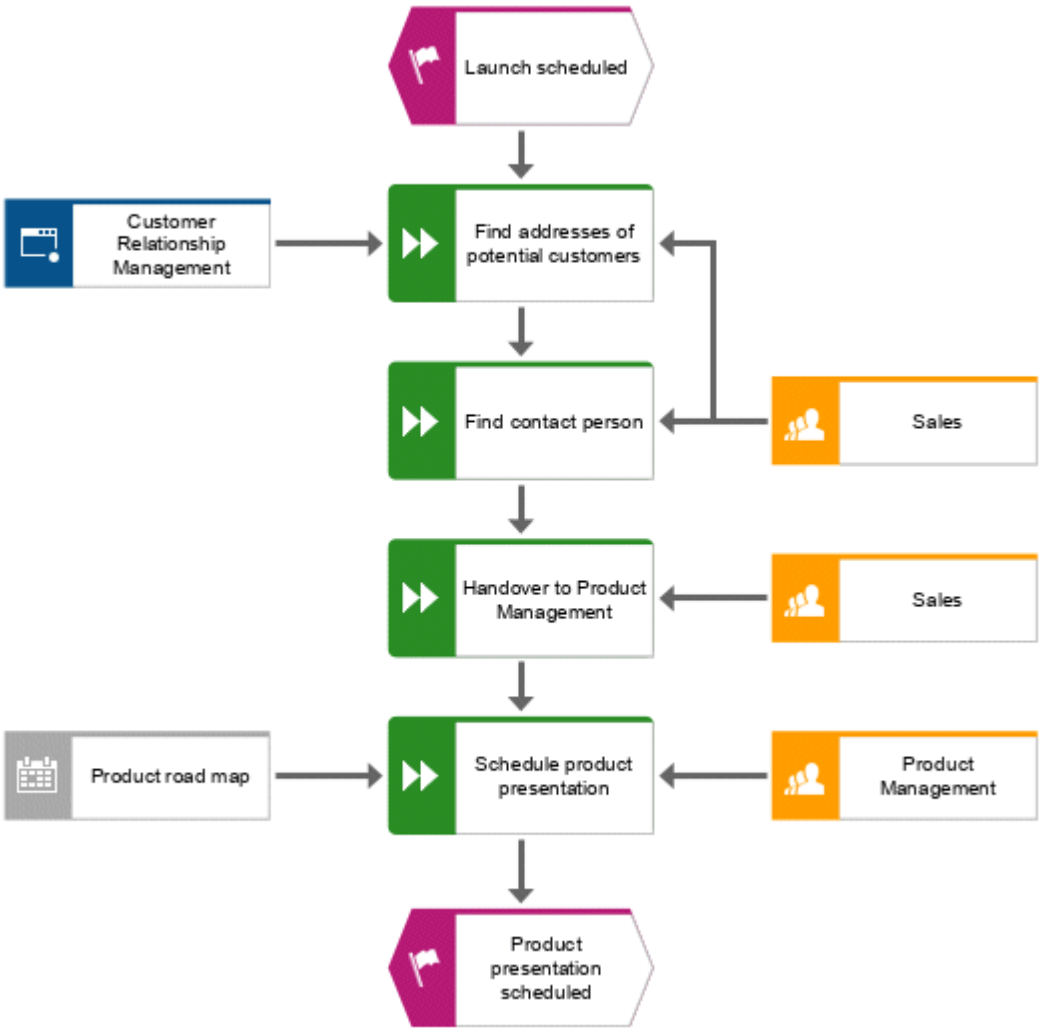
You can change object names directly in the model. If you change a name, all occurrences of the object (page 19) in the database are renamed accordingly.

In the following, you will change the name of the **Distribution** organizational unit.

Procedure

1. Select one of the **Distribution** symbols and click the symbol name again. The name is selected and can be overwritten.
2. Enter **Sales** and click in the modeling area.

The name of the organizational unit is now **Sales** and both occurrences of the object are displayed with the new name.

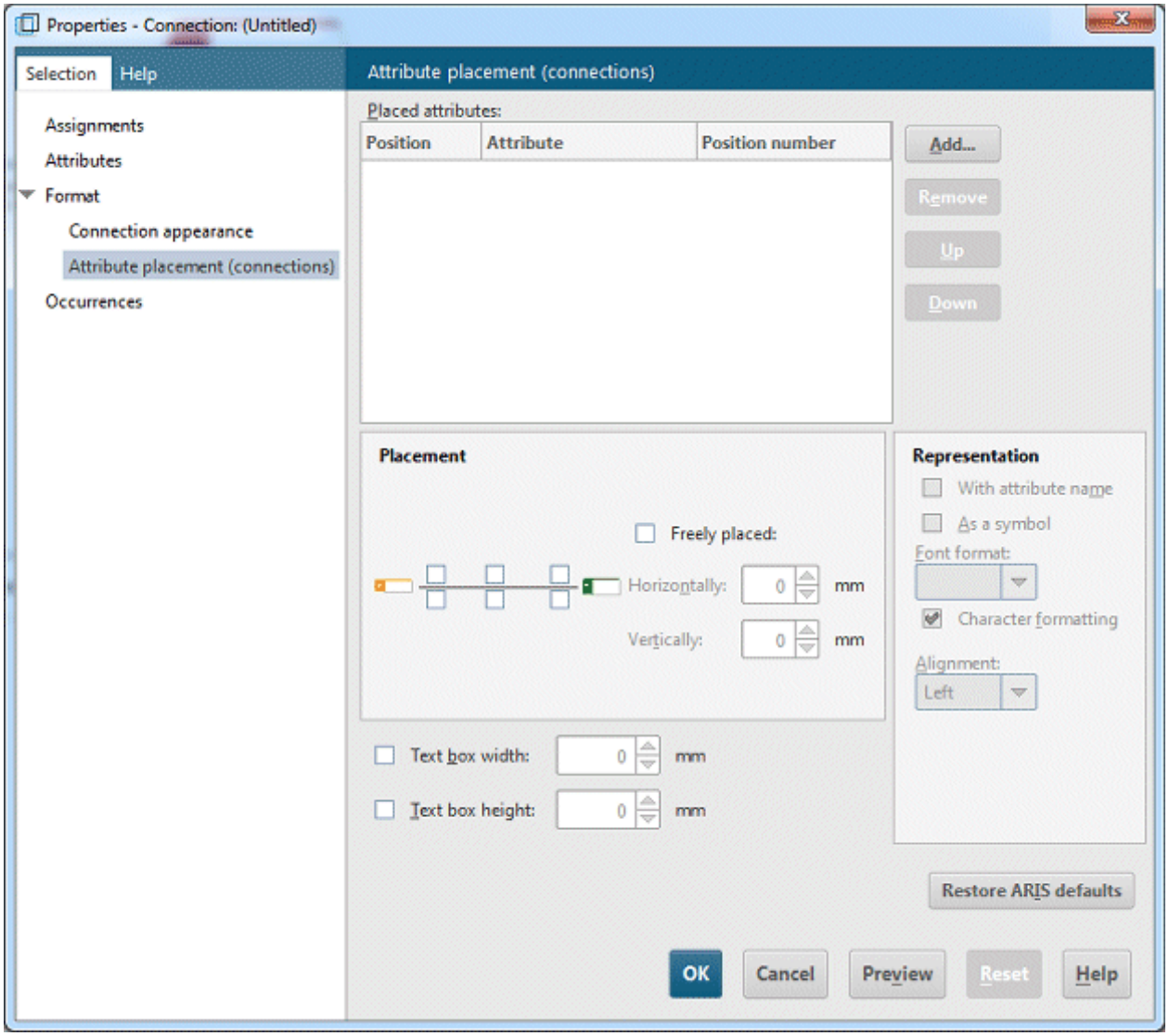


5.4.8 Place attributes

You can display the attributes of objects and connections in your model. Now, you will display connection types.

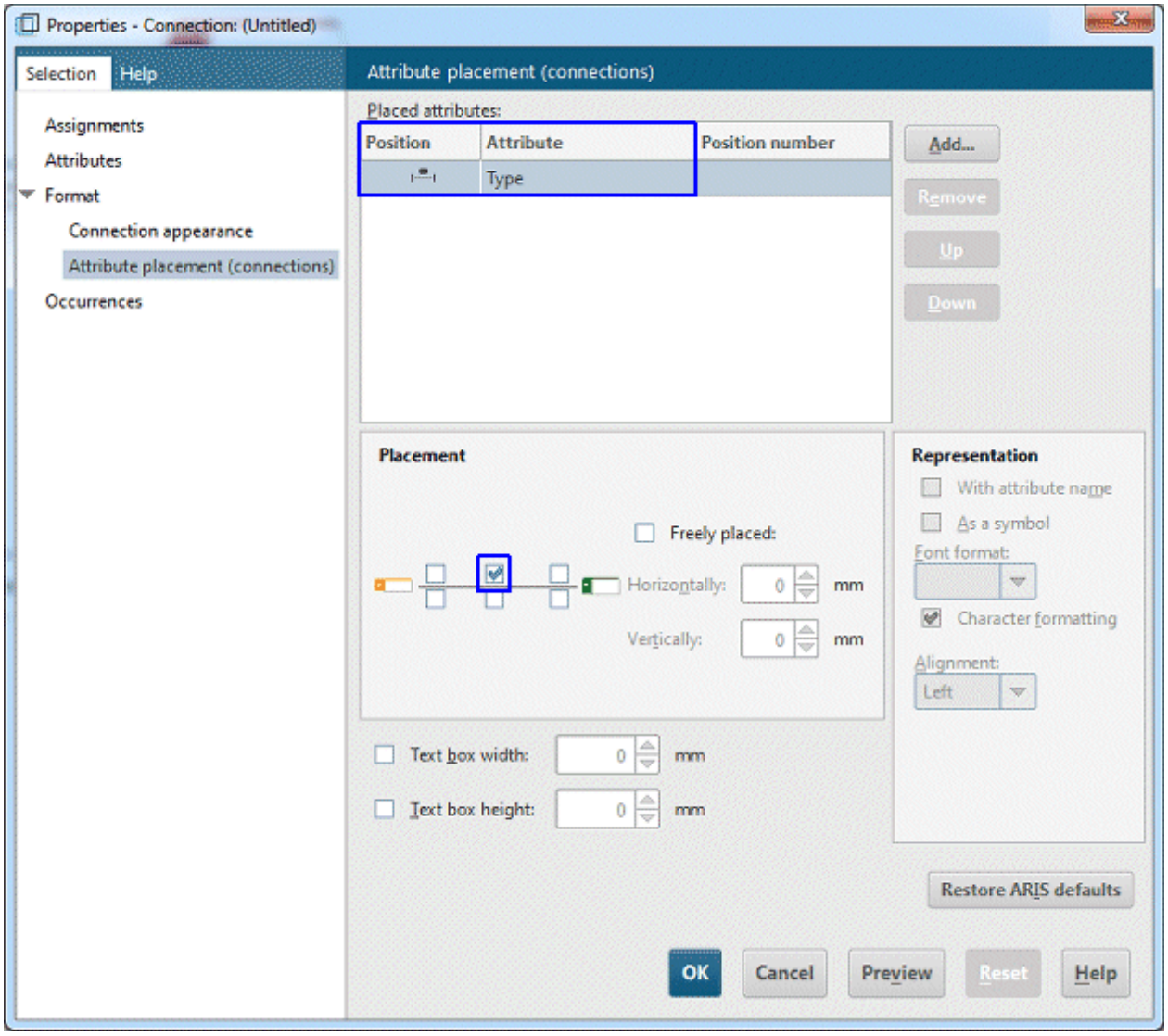
Procedure

1. Select the connection between the **Sales** and **Find addresses of potential customers**.
2. Click **Properties** in the **Start** tab bar. The **Properties** dialog opens.
3. On the **Selection** tab, click **Format > Attribute placement (connections)**.



4. Click **Add**. The **Add attributes** dialog opens.

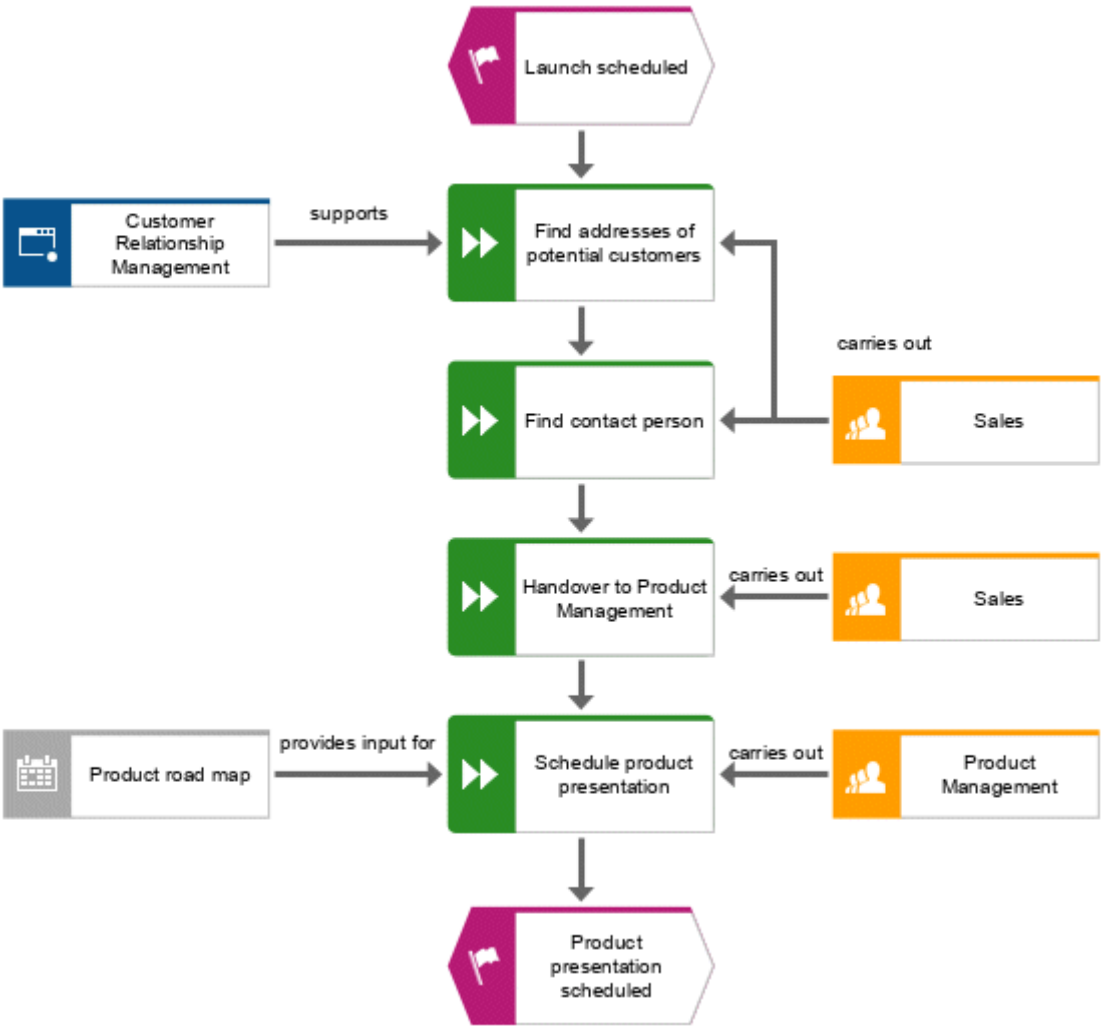
5. Enable the **Show specified attributes only** check box and double-click **Type**. The dialog closes. In the **Properties** dialog, **Type** is displayed and the default position is indicated.



6. Click **OK**. The dialog closes and the attribute is displayed in the model.
7. To enlarge the distance to the connection, drag the attribute to the right and release the mouse button.

8. Click the object **Customer Relationship Management**, press the **Ctrl** key, and click **Product road map.** Release the **Ctrl** key and drag the selected objects to the left. This ensures that the model layout is preserved and that there is enough space between the objects **Product road map** and **Schedule product presentation** to place the **Type** attribute of the connection **provides input for**.
9. Place the attributes for the connections between all functions and the organizational units and supporting systems as you did the first time.

You have completed the model. Your model now looks like this:



5.5 Save model

To save your work, click **Save**.

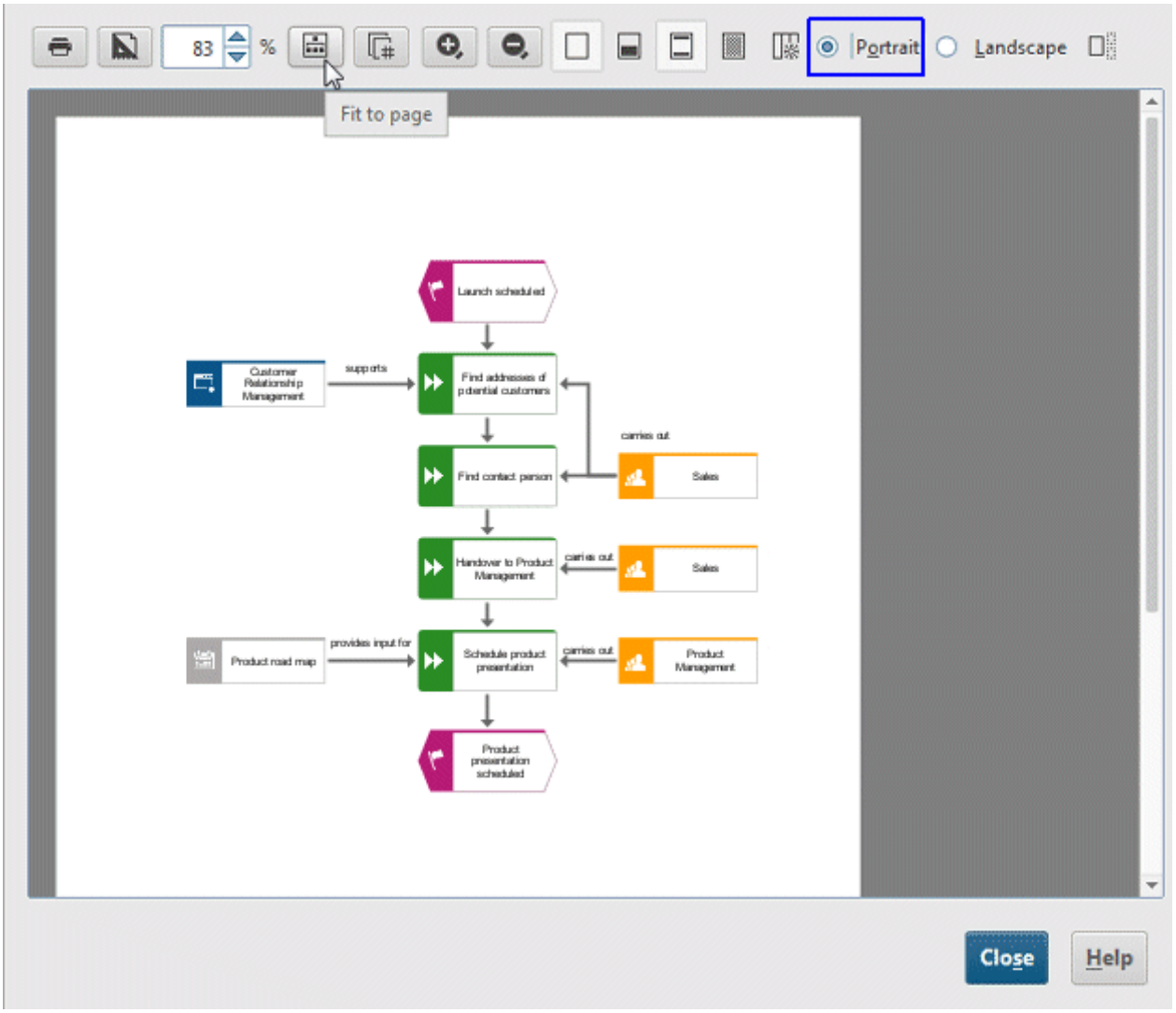
The model is saved.

6 Print model

You can print your model.

Procedure

1. Click **ARIS > Print > Print preview**. The **Print preview** dialog is opened.
2. Enable **Portrait** and **Fit to page**.



3. Click **Print**.
4. Select the printer and click **OK**.
5. Click **Close**.

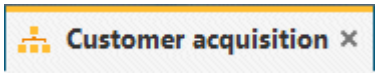
You have printed your model.

7 Close model

You have created the model. Now you can close it.

Procedure

1. Click × **Close** on the model tab.



   If you have not yet saved the model, an information dialog opens.

2. Click **Yes** to save and close the model.

The model tab is closed.

8 Legal information

8.1 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.
ARIS Download clients	Refers to ARIS clients that can be accessed using a browser.

8.2 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.

8.3 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.

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.

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.