



# *Getting Started*

## ARCAD-Observer

**Version 10.06.xx**

**Publication Date: February, 2016**

*For internal and external use*

*Prepared by the ARCAD Software Documentation and Consulting Teams*



**FRANCE (HQ)**  
**GERMANY**  
**SWEDEN**  
**USA**  
**HONG KONG**

55 Rue Adrastée 74650 Annecy/Chavanod  
Richardstr. 84 22089 Hamburg  
Prostvägen 36 141 43 HUDDINGE  
1 Phoenix Mill Lane, Suite 203 Peterborough, NH 03458  
Room 22, Smart-Space 3F, 100 Cyberport Road

Tel. +33 4 50 57 83 96  
Tel. +49 40 357 09 10-2  
Tel. +46(0) 70-793 6570  
Tel. +1 (603) 371-9074  
Tel. +852 3618 6118

**Copyright © 1992, 2016 by ARCAD Software All rights reserved.**

The following terms are names owned by International Business Machines Corporation in the United States, other countries, or both: AS/400®, ClearCase, ClearQuest®, DB2, DB2 Connect™, DB2 Universal Database™, ibm.com, IBM i, iSeries, System i, OS/400, Rational®, SP2, Service Pack, WebSphere. Java and all names based on Java are owned by Oracle Corp. in the United States, other countries, or both. Eclipse is a registered trademark of Eclipse Foundation, Inc. Other names of companies, products or services are the property of their respective owners.

## PREFACE

---

### DOCUMENT PURPOSE

This Getting Started Guide provides an overview of ARCAD-Observer's functions. Three detailed case studies present real-life examples. Each case study emphasizes a different ARCAD-Observer module.

### INTENDED AUDIENCE

This document is intended for all ARCAD-Observer users.

### BEFORE YOU START USING THE PRODUCT

The first thing to do with ARCAD is to load your applications into the ARCAD-Open Repository. This is performed entirely on the server. The *ARCAD Repository Loading Guide* provides you with a detailed description of this operation that also includes an application audit phase.

Once you have successfully completed the Repository loading operation, you can use ARCAD-Observer to access it from your workstation.

In order to use this Getting Started Guide, you must have the "System i" server and PC sides of the product installed.


Once installation is complete on both the server and the PC, this guide will walk you through the product using a demonstration application. This will allow you to better understand the ARCAD-Observer product.

Once you feel comfortable with the range of functions provided by ARCAD-Observer, you can load your own ARCAD Repository and start using the product with your own applications.


When you are ready to begin your own testing, refer to the final chapter which explains how to connect to your "System i ®" server.

To load your own ARCAD Repository, please refer to the *ARCAD Repository Loading Guide*.

### ADDITIONAL INFORMATION TO USE THIS DOCUMENT



 **Important!** The figures in this document might show screen contents that differ slightly from the screens that you have in front of you when executing the instructions. They are provided as an aide for the execution of the operations. The differences have normally no impact on the description and the execution of the operations included in this document.

For example, the versions of the SAM applications in the examples differ from the versions on your configuration.

 **Note:** Accessing the contextual menu of an element in a list:

Functions described in this document are often activated by the selection of an option in a contextual menu. To access the contextual menu of an element in a list you select the element first, then click on the right button of the mouse.

 **Note:** Closing a tab:

 Some functions described in this guide open a new view when they are activated. To close these tabs, click  on the right end side of the view's title.

ABOUT THE GLOSSARY TERMS

Glossary terms are marked with orange text and defined in footers in this document. The definitions are truncated. For complete definitions of all of ARCAD's terminology, refer to the *ARCAD Glossary*.

PUBLICATION RECORD

Unless stated otherwise, this document is valid for the version of ARCAD-Observer listed as well as every subsequent version.

Product Version	Document Version	Publication Date	Update Record
≥ 10.06.xx	2.1	February, 2016	No functional changes.
10.05.06	2.0	October, 2015	Document migrated. Few revisions made.

Table 1: Getting Started Publication Record

RELATED DOCUMENTATION

Related Documentation
Release Notes – version 10.04.04.pdf
Release Notes – version 10.05.06.pdf
ARCAD Glossary
ARCAD-Server Installation Guide
ARCAD-Home Installation Guide
ARCAD-Client Installation Guide
ARCAD-RDi Plug-Ins Installation Guide
ARCAD Repository Loading Guide

Table 2: Related Documentation

PRODUCT INFORMATION

ARCAD-Observer 10.06.xx Copyright © 2016 Arcad Software

[Visit the website \(ARCAD Observer\)](#)

# CONTENTS

---

<b>PREFACE</b>	<b>3</b>
<b>CONTENTS</b>	<b>5</b>
<b>1 GENERAL INFORMATION</b>	<b>7</b>
1.1 STARTING ARCAD-CLIENT	7
1.1.1 LAUNCHING THE PRODUCT	7
1.1.2 CONNECTING TO THE ARCAD-SERVER	7
1.2 THE ARCAD-CLIENT WORKBENCH	9
1.3 THE ARCAD-OBSERVER/DOCUMENTER PERSPECTIVE	10
1.3.1 THE PERSPECTIVE	12
1.3.2 OTHER VIEWS	12
1.4 ACCESSING THE REPOSITORY	13
<b>2 ANALYZE THE INFORMATION SYSTEM</b>	<b>17</b>
2.1 DATABASE RELATION DIAGRAM GENERATION	17
2.1.1 INTRODUCTION	17
2.1.2 OBJECTIVES	17
2.1.3 GENERATING A DATABASE RELATIONSHIP DIAGRAM	17
2.1.4 DYNAMIC EXPLORATION	20
2.1.5 DIAGRAM LAYOUT	20
2.1.6 READING THE DIAGRAM	22
2.1.7 SAVING AND RE-USING THE DIAGRAM	23
2.1.8 EXPORTING DIAGRAMS TO IMAGE FILES	23
<b>3 CREATING TECHNICAL DOCUMENTATION</b>	<b>25</b>
3.1 SELECTING COMPONENTS	25
3.1.1 OBJECTIVES	25
3.1.2 SEARCH FOR A COMPONENT IN THE REPOSITORY	25
3.1.3 COMPONENT CALL CHAIN	26
3.1.4 TRANSFER TO A WORK LIST	27
3.1.5 CROSS-REFERENCES	28
3.1.6 SAVING THE WORK LIST	30
3.2 GENERATING A WORKFLOW DIAGRAM	31
3.2.1 INTRODUCTION	31

3.2.2 OBJECTIVES .....	31
3.2.3 GENERATING THE INITIAL WORKFLOW DIAGRAM .....	31
3.2.4 ADDING CALL CROSS-REFERENCES .....	31
3.2.5 RE-ORGANIZING OBJECTS IN THE DIAGRAM: .....	32
3.3 CREATING DOCUMENTATION .....	34
3.3.1 OBJECTIVES .....	34
3.3.2 SWITCHING TO ARCAD-DOCUMENTER .....	34
3.3.3 CREATING A PROJECT .....	35
3.3.4 CREATING A VERSION .....	36
3.3.5 DOCUMENT VERSION EDITOR .....	37
3.3.6 IMPORTING A COMPONENT LIST .....	38
3.3.7 REVIEW THE DOCUMENT .....	39
3.3.8 INTEGRATING A WORKFLOW DIAGRAM .....	44
3.3.9 GENERATING DOCUMENTATION .....	46
3.3.10 EXPORTING YOUR DOCUMENTATION .....	47
3.3.11 CLOSING A VERSION .....	49
3.4 UPDATING DOCUMENTATION .....	50
3.4.1 OBJECTIVES .....	50
3.4.2 INTRODUCTION .....	51
3.4.3 VERSION DUPLICATION .....	51
3.4.4 UPDATING FROM A VERSION .....	53
3.4.5 GENERATING DOCUMENTATION .....	57
4 NOW IT'S YOUR TURN...! .....	58
CONTACT ARCAD SOFTWARE .....	59
CONTACT ARCAD PARTNERS .....	61

# 1 GENERAL INFORMATION

---

## 1.1 STARTING ARCAD-CLIENT

---

### 1.1.1 LAUNCHING THE PRODUCT

---

There are two ways to launch ARCAD-Client on your workstation.

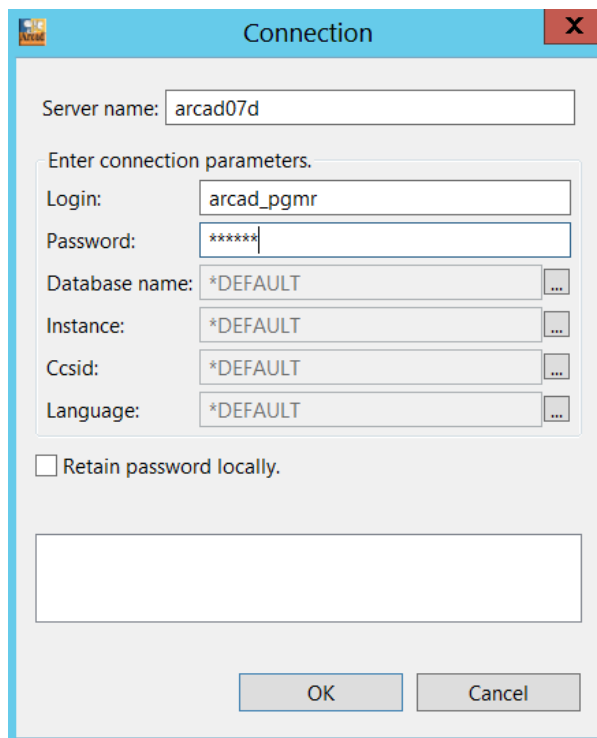
1. Use the Start menu: **Start > Programs > ARCAD Solutions > ARCAD-Client > ARCAD-Client**
- OR -
2. Click on the ARCAD-Client icon on your desktop (a desktop icon exists if you chose the corresponding option during installation).

### 1.1.2 CONNECTING TO THE ARCAD-SERVER

---

After you launch ARCAD-Client a connection a window appears. It includes the following fields:

- **Server name:** Name or IP address of the ARCAD server.
- **Login:** User name to sign on the ARCAD server.
- **Password:** Password for this user in the server



Connection

Server name:

Enter connection parameters.

Login:

Password:

Database name:

Instance:

Ccsid:

Language:

☐ Retain password locally.

Supply this login information:

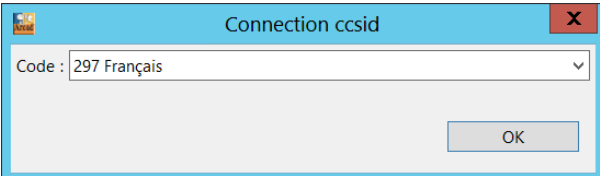
Server name:	The network name of your System i server
Login:	ARCAD_PGMR
Password:	QUADRA

Table 3: ARCAD Server login information

 **Important** Check the **Retain password locally** box to have ARCAD-Client remember your password whenever you connect from this computer.

Click **OK**.

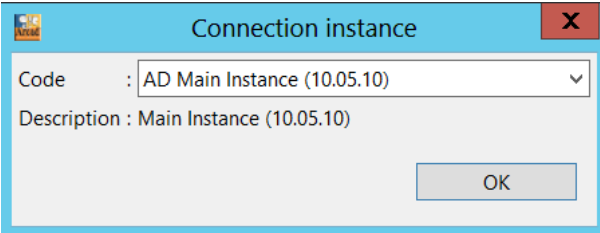
The connection CCSID window appears:



- Select the character set id appropriate from the list. e.g.:
  - 297 Français
  - 37 English
  - 285 English (UK)
  - 500 Français (Belgium)
  - ...

Click **OK**.

The connection instance window appears:

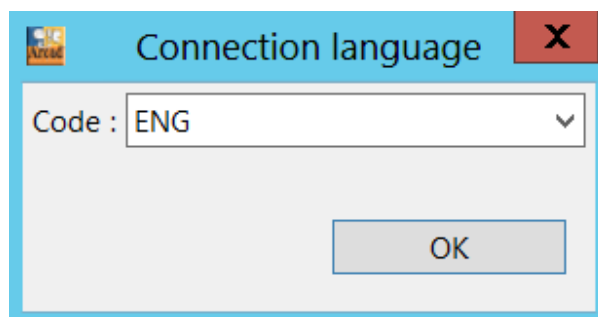


- Usually, there is only one instance installed AD. Select it.

Click **OK**.

The connection language window appears:





- If there is more than one language installed on your machine, you can select another one.

Click **OK**.

## 1.2 THE ARCAD-CLIENT WORKBENCH

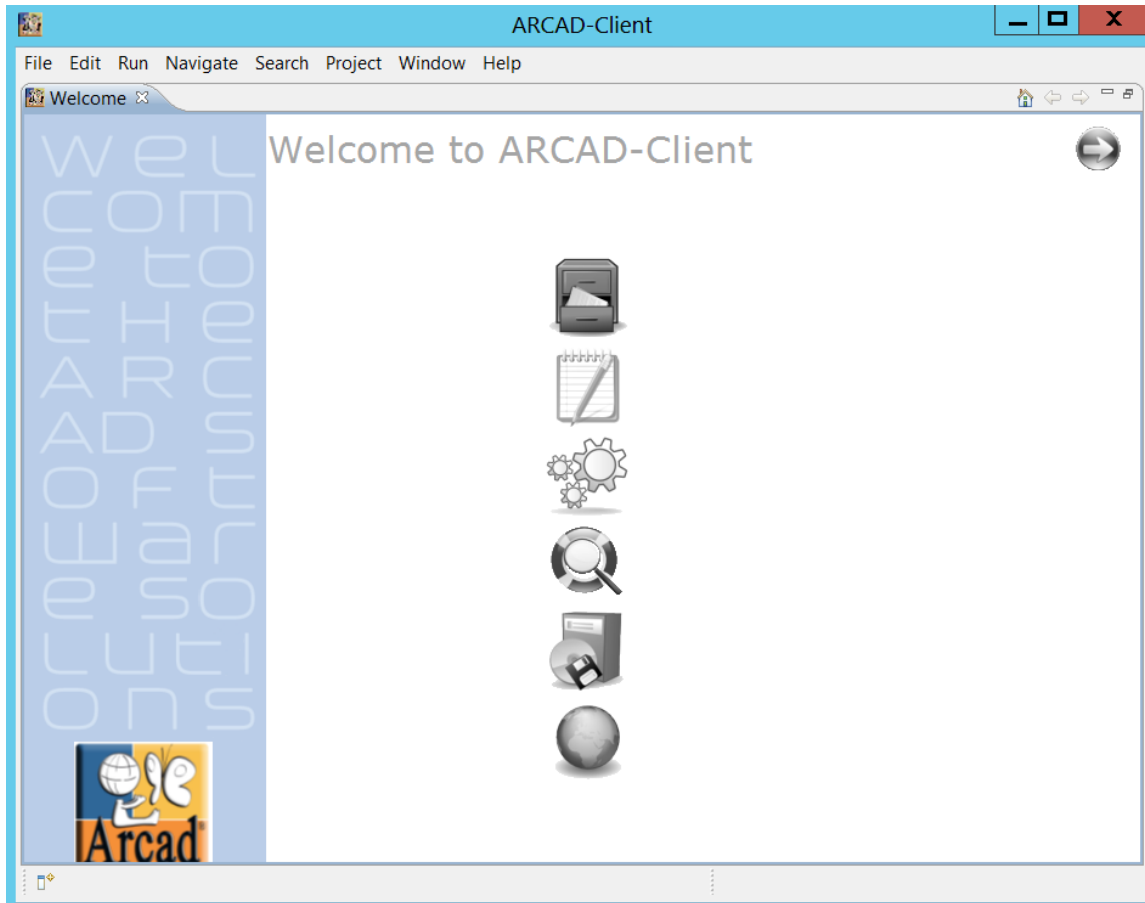
---

The ARCAD-Client workbench opens.

The initial view open on the workbench is the Welcome view. This view appears only once, the first time you use ARCAD-Client. Once you click the arrow in the top right corner, the Welcome view closes and does not appear again unless you delete the ARCAD-Client workspace<sup>1</sup> or completely uninstall and re-install the ARCAD-Client application.

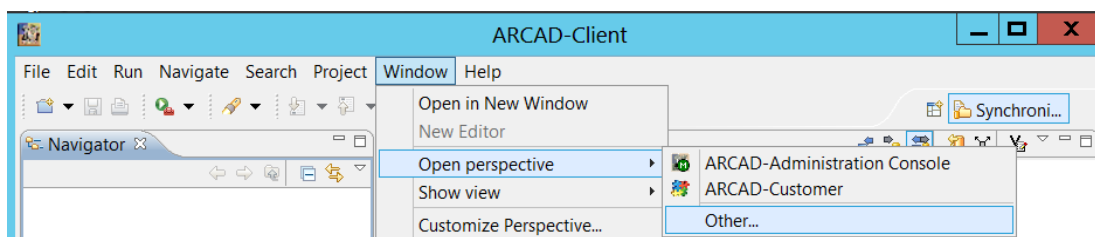
---

<sup>1</sup> The ARCAD-Client workspace resides in *C:\Program Files (x86)\ARCAD Solutions\ARCAD-Client\*. Note that if you delete the workspace you lose all data associated with it.

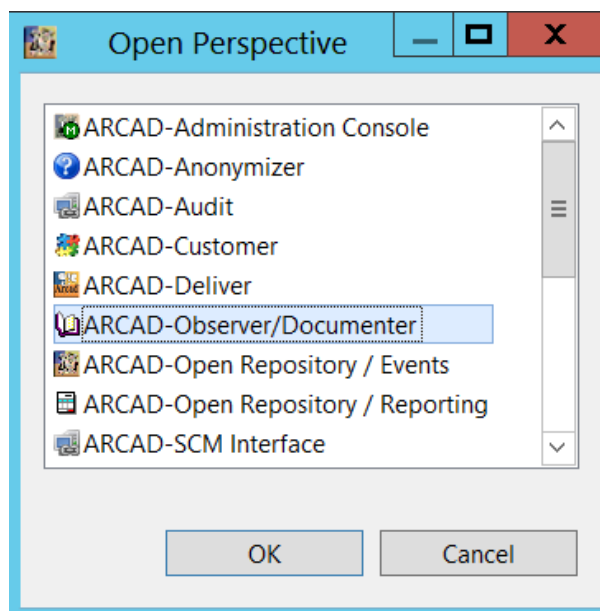


### 1.3 THE ARCAD-OBSERVER/DOCUMENTER PERSPECTIVE

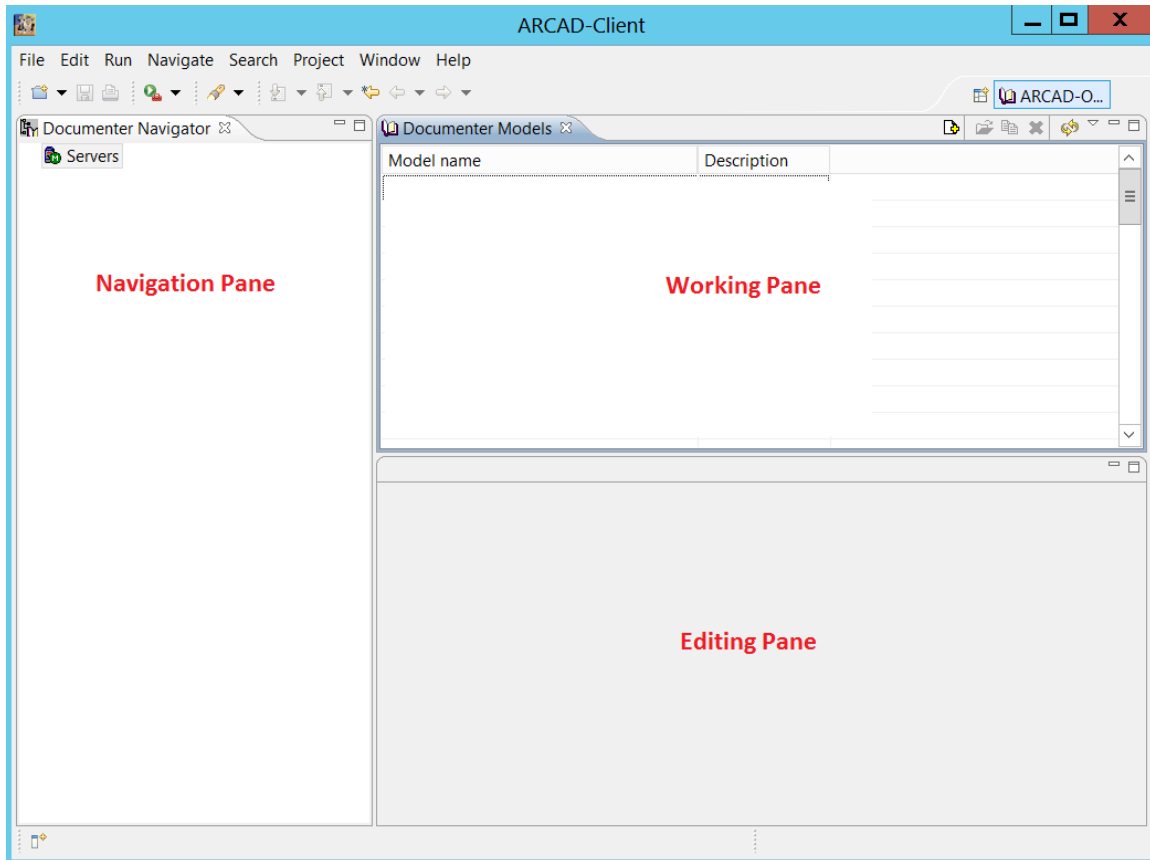
- In the menu bar select **Windows** then choose **Open perspective** then **Other...**



- A window appears. Select **Arcad-Observer/Documenter** and click **OK**.



- The **ARCAD-Observer/Documenter** perspective appears:



### 1.3.1 THE PERSPECTIVE

The ARCAD-Observer perspective consists of these panes: The navigation pane on the left, and the working and editing panes on the right. The views in the perspective change depending on what you are doing. Related views may overlap each other in tabbed layers. In general, the navigation pane always remains, while the views in the working and editing panes will change depending on what you've chosen in the navigation pane.

### 1.3.2 OTHER VIEWS

The views in the ARCAD-Observer perspective are context sensitive. That is, if you are creating a document, one set of views is active; if you edit a diagram, another set of views is active.

If you want to see a view that is not currently active, you can open it using the **Show view** command on the **Window** menu.

You can re-position views by dragging and dropping them to the desired location on your workbench; click an edge and drag to re-size a view.

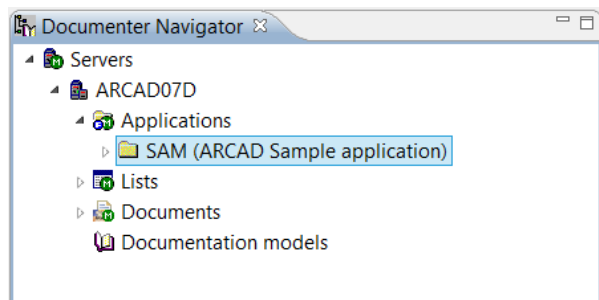
To re-set the perspective to the default layout, use the **Reset perspective** command on the Window menu.

## 1.4 ACCESSING THE REPOSITORY

---

In this guide, we will use the sample application SAM, provided with the ARCAD Software.

- In the **Documenter Navigator** view, expand **Servers**, then your server, then **Applications**.



- Locate and expand the SAM application in the list.
- Under the SAM application, expand **Repository**.
- Under **Repository**, select **Components**.

The **Search Parameters for Components** appears.

ARCAD

Search Parameters for Components

X

Name

:

\*

Source Type

:

\*

▼

Component Type

:

\*

▼

Description

:

\*

Source File

:

\*

▼

Functional Tree

:

...

Reset fields

☐ Display DTC components

Start Date

:

01/01/19

📅

📝

End Date

:

12/31/20

📅

📝

Reset dates

☐ Upper/Lowercase detection

OK

Cancel

- Click OK.
- The **Application Component Repository** view appears.

Application Component Repository

🔍 🏠 📁 🗑️ 🔄

Name	Type	Object t	^
ARTIINF	PF	*FILE	☰
ARTIPRO1	LF	*FILE	
ARTIPROV	PF	*FILE	
BCBAL150	CBL	*PGM	▼
BLEAL7A1	LF	*FILE	

< III >

▼ Number of reread Components 28 More ...

Search

Query Environment

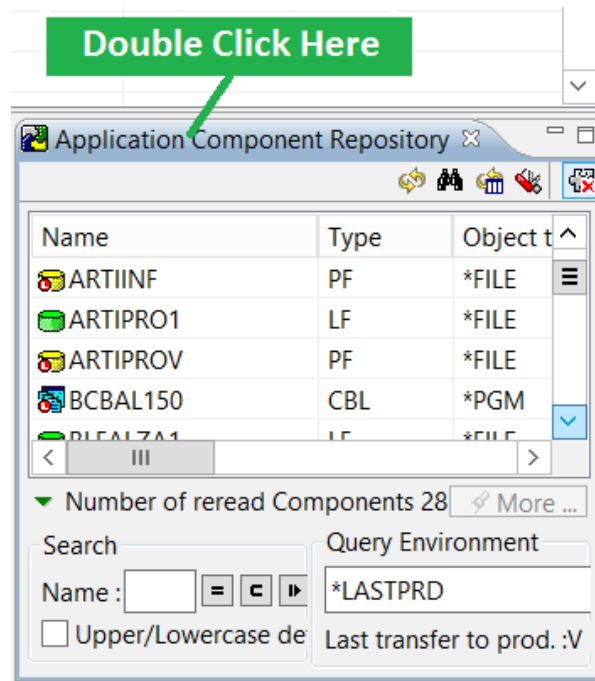
Name :  =  ▶

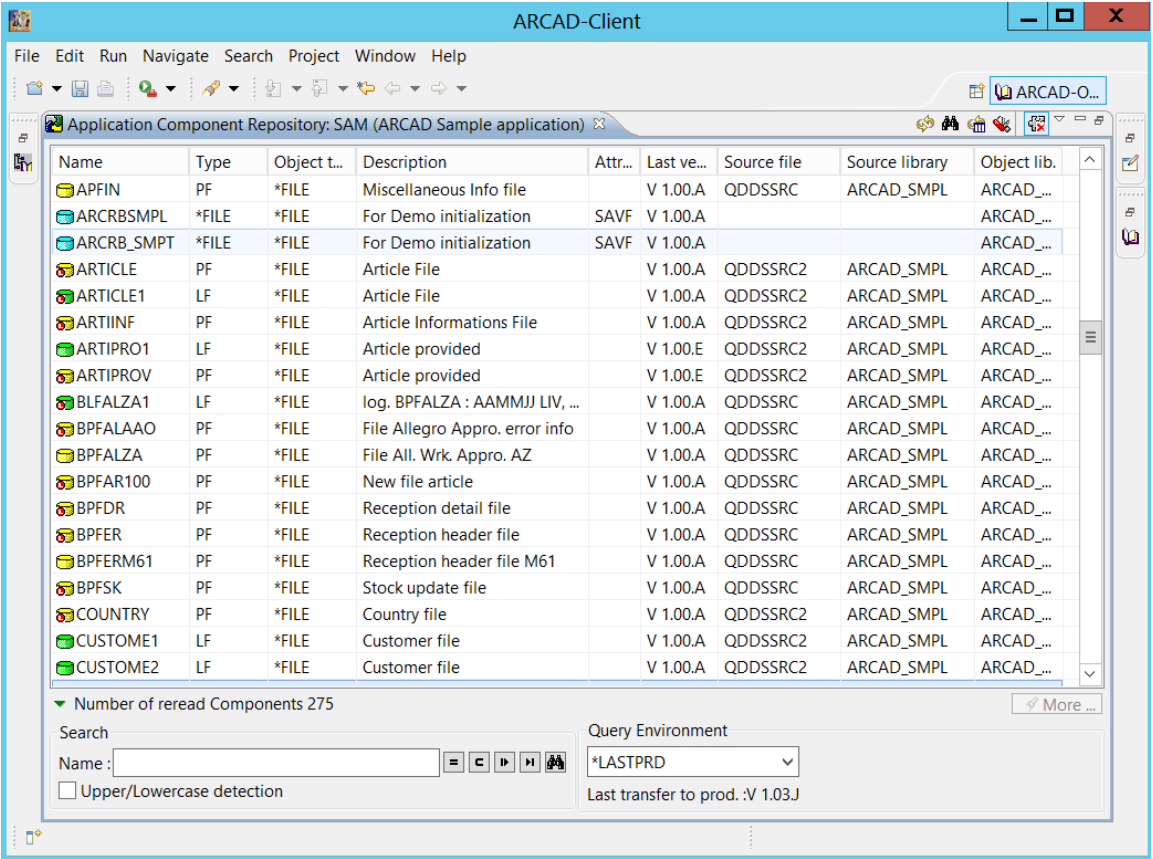
☐ Upper/Lowercase de

\*LASTPRD

Last transfer to prod. :V

- Double click the title to maximize it





**Note:** You may see components in this list with a red circle indicator. This indicates that the component is currently being modified using ARCAD-Skipper. Note that IFS components are also displayed in the list.



## 2 ANALYZE THE INFORMATION SYSTEM

### 2.1 DATABASE RELATION DIAGRAM GENERATION

#### 2.1.1 INTRODUCTION

The database relationship diagram is important for the IT department, but it's also important for any user who queries the database. It is a graphical map of your database.

The map is the result of the analysis of the links between files at the field level.

This analysis is done when the repository is loaded with your application. It is based on:

- the field reference repository in your application if it exists;
- the correspondence or similarities in field names;
- generated links are validated on the "System i" (iSeries) server.

Even though it is possible to produce a single diagram for your entire application, this approach is not recommended because of the potentially large number of data files. A better approach is to start from one file and then expand the view of links in the direction of your choice.

#### 2.1.2 OBJECTIVES

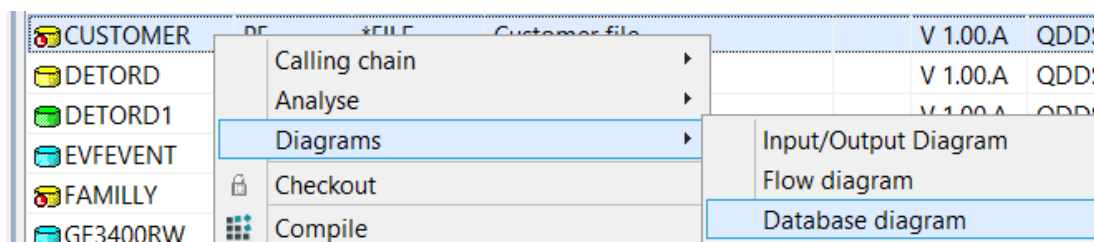
This section covers the following features:

- Generating a database relationship diagram
- Diagram layout
- Reading the diagram
- Using the diagram in the documentation

#### 2.1.3 GENERATING A DATABASE RELATIONSHIP DIAGRAM

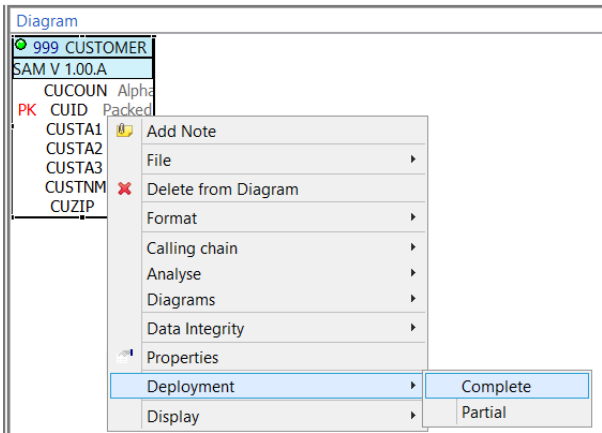
To generate a database relationship diagram, proceed as follows:

- Go to the Repository pane and find the physical file **CUSTOMER**
- Right-click on the file and select **Diagrams | Database diagram**

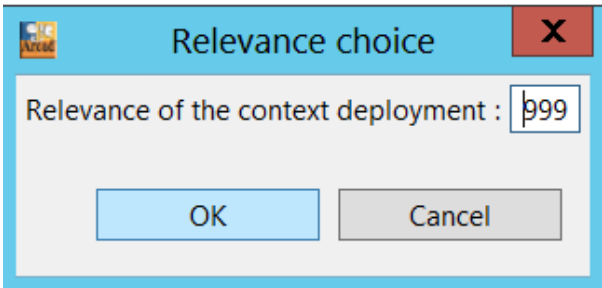




- An **Arcad database diagram** view is created. It contains the result of your request. The "Customer" file is represented in this diagram.

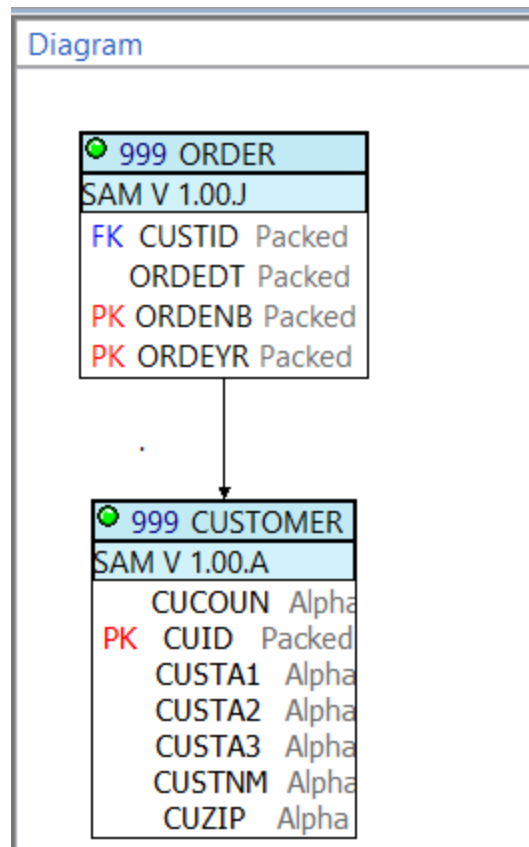
- Double-click on the title to maximize that view.
- Right-click on the Customer file and select the option **Deployment | Complete** to show the linked tables.



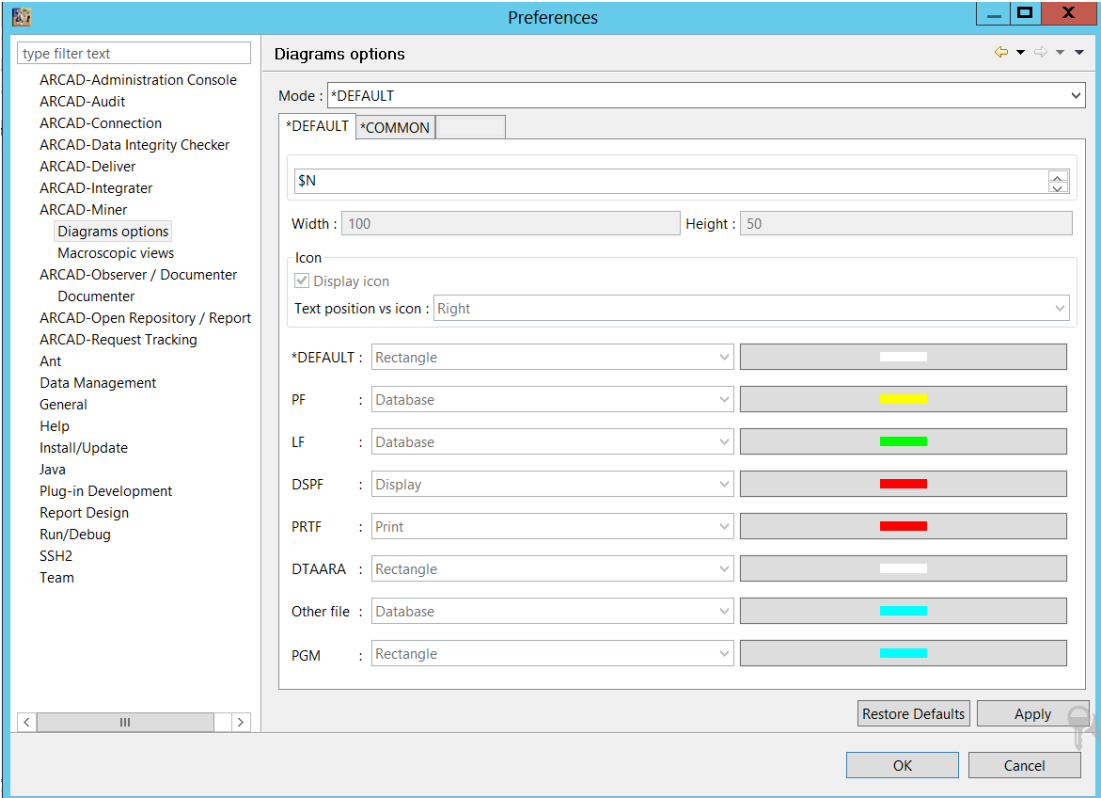
- The Relevance choice window appears. Click **OK**.



- Click on the  button in the toolbar to select all the files that have been loaded in the diagram as a result of the previous operation.
- Click on the  button to rearrange the files. You should now have a diagram similar to the following:



**Note:** Appearance: The colors may be different on your display. You can change the colors used in the database link diagram using the **windows / preferences / Arcad-Miner/Diagram options** in the menu bar.



### 2.1.4 DYNAMIC EXPLORATION

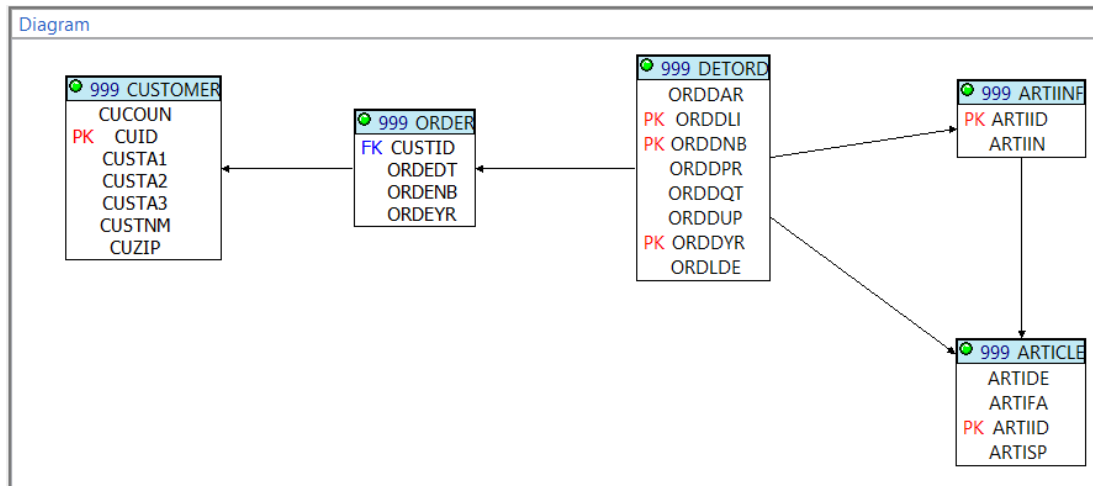
You will now expand the diagram by exploring new links from one of the connected files by proceeding as describe below:

- Right-click on the "ORDER" file to select this element (first deselect the previously selected elements by clicking outside the diagram) and select the option **Deployment| Complete**.
- The "DETORD" file appears in the diagram. Select this file, right-click and select the option **Deployment| Complete**. One file -- **ARTICLE** - is added to the existing diagram.

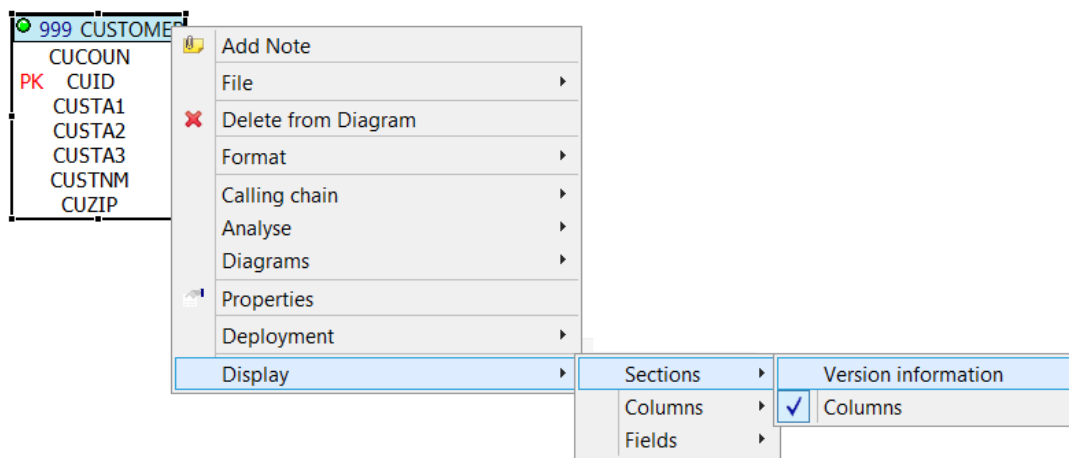
**Note:** The relevance level indicates how closely related two tables are. You can manually set the relevance level for any given relationship, or accept the default value of 999. The database link level definition is made on the "System i" server using the WRKFLDDBR ARCAD command.

### 2.1.5 DIAGRAM LAYOUT

You can modify the diagrams appearance. For example, from the diagram that you now have, you can modify it to get the following:



- Right-click a table:



Several actions are possible. The most important ones are listed below.

- **Display**
  - **Sections**
    - **Version information** (SAM V 1....)
    - **Column**
  - **Columns**
    - **Outstanding properties** (PK or FK)
    - **Type** (Alpha, Packed, ...)
  - **Fields**
    - **Filter without primary key / foreign key**
    - **Filter without primary key**
- **Format**

- **Font**
- **Fill color**
- **Line color**
- **Add note**

### 2.1.6 READING THE DIAGRAM

---

From your database diagram, a graphical representation of the file elements in your database, and the connections between them (as represented by foreign keys). You can explore the properties of any table. In the diagram:

- Select the table shape, and right-click.
- From the context menu, choose **Properties**.

The Properties dialog appears, showing multiple pages of information stored in the ARCAD database for the selected table.

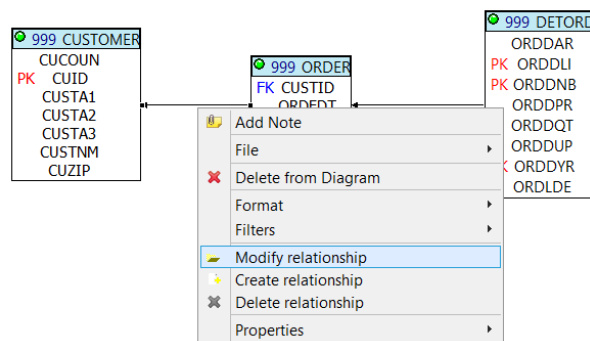
To review cross reference information stored in the ARCAD database about a table (When discussing databases, a table is another name for a file.) in your diagram:

- In the diagram, right click the table element.
- Choose **Analyze >**
- On the submenu, choose the kind of cross reference information you want to review for the selected element. The choices are:
  - **Utilization**
  - **Fields**
  - **Literals**
  - **Procedures**
  - **Source inclusion**
  - **Message identifiers**

After you make a choice, a Cross References view opens showing the information you requested.

You can also have information about relationship:

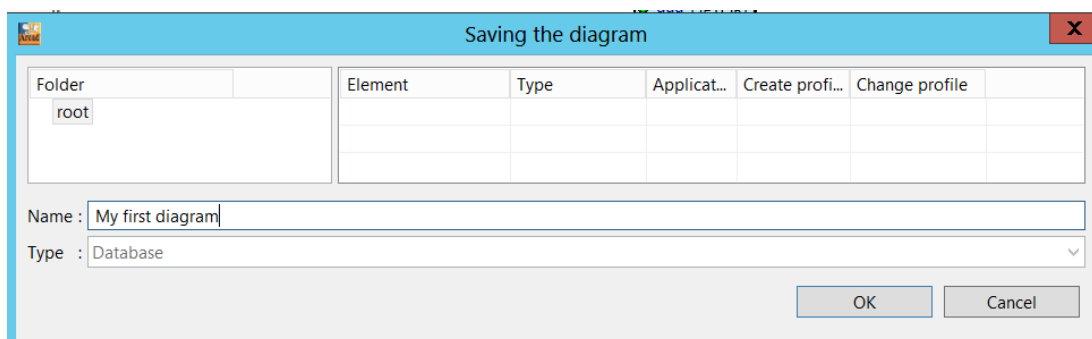
- Right-click on a link in the diagram, and choose **Modify relationship**.



### 2.1.7 SAVING AND RE-USING THE DIAGRAM

In order to use this diagram later, you must first save it, proceeding as follows:

- In the menu bar select **File** then **Save as ...**
- The **saving the diagram** window appears:



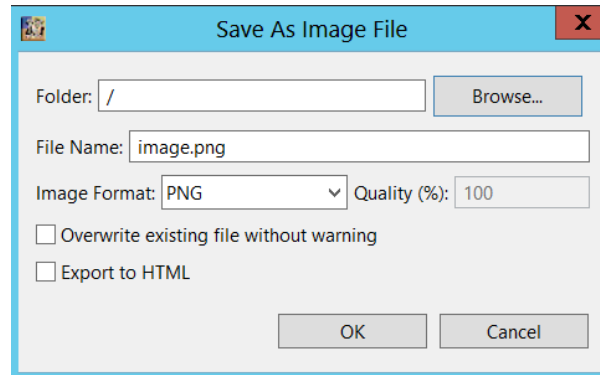
- Name your diagram in the **Name** field.
- Click on **OK** button to save the diagram.

You can now access the diagram later and continue exploring the database architecture. You can also include this diagram to the technical documentation we will produce later.

### 2.1.8 EXPORTING DIAGRAMS TO IMAGE FILES

It might be useful at times to be able to export database diagrams into image files that you can imbed in documents. Do the following:

- In the diagram editor, right click in the Diagram pane.
- Choose **File > Save As Image File....**
- On the **Save Diagram As Image File** dialog, browse to a folder location or accept the default location.



- Replace the default file name with your own file name, if desired.
- Accept the default image format, or choose another format from the dropdown list.
- Indicate whether ARCAD-Extract should overwrite an existing file with the same name without warning you.
- Click **OK**.

Your database diagram, a graphical representation of the file elements in your database, and the connections between them (as represented by foreign keys) is saved as an image file in the format and location you indicated.

Before going on with this Getting Starte" document, close the **Database link diagram** tab.



## 3 CREATING TECHNICAL DOCUMENTATION

---

This case study shows you the steps needed for the creation of the technical documentation for your application. This process consists of three tasks:

- Selecting a group of components to document
- Defining the documentation model
- Using the resulting document

In this chapter, the **SAM** application is used to introduce you to the documentation features of the product.

### 3.1 SELECTING COMPONENTS

---

Let's start by retrieving all the programs called by a given program, and then all of the files used by these programs.

#### 3.1.1 OBJECTIVES

---

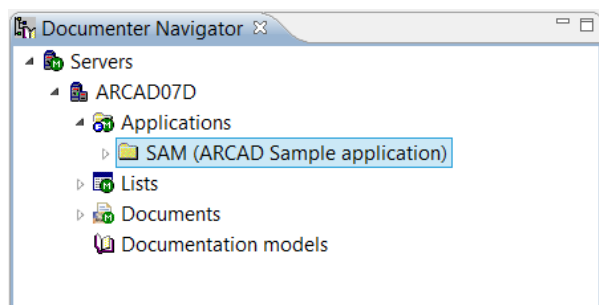
In this section, you will go through:

- The search of components in the repository;
- The cross references and component's calling chains;
- The ARCAD-Observer work lists.

#### 3.1.2 SEARCH FOR A COMPONENT IN THE REPOSITORY

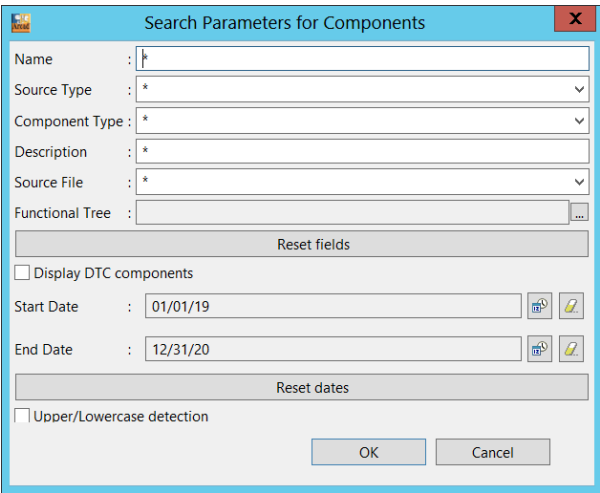
---

- In the Documenter Navigator view, expand **Servers**, then your server, then Applications.

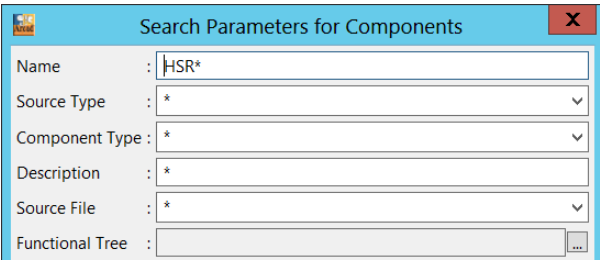


- Locate and expand the SAM application in the list.
- Under the SAM application, expand Repository.
- Under **Repository**, select **Components**.

The **Search Parameters for Components** appears.



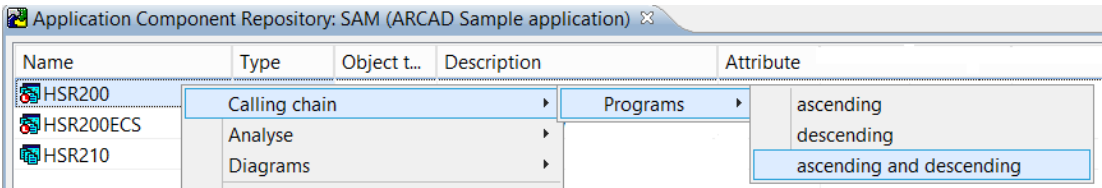
- Enter “HSR\*” in the name field.



- Click on the **OK** button to list all the components whose name contain "HSR".
- Double-click on the title **Application component Repository SAM** to maximize the view.
- Locate the component HSR200 in the list and select it.

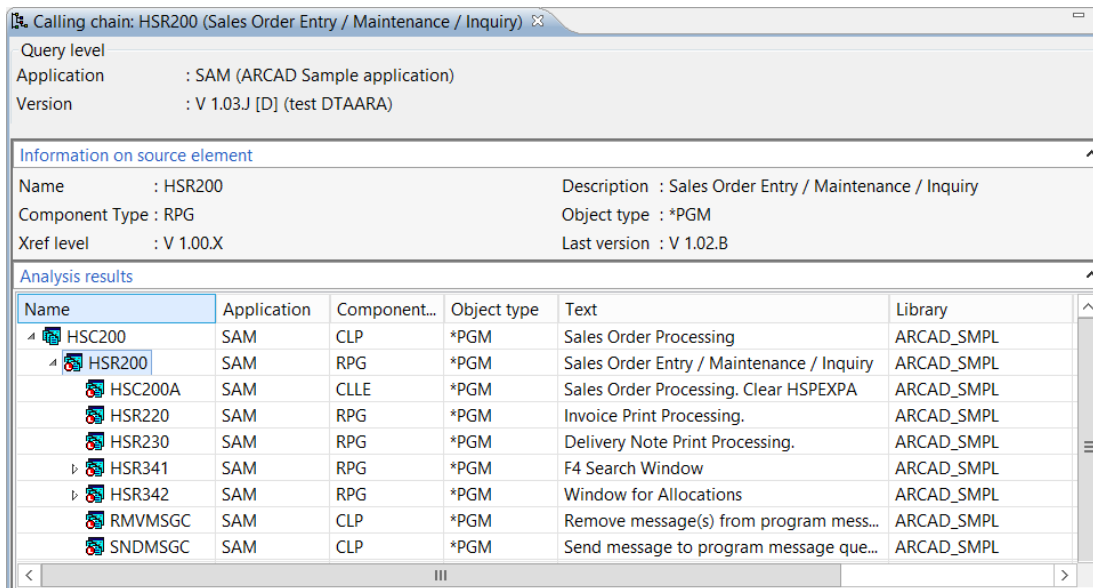
3.1.3 COMPONENT CALL CHAIN

- Right click on HSR200 and select **Calling Chain| Programs | ascending and descending**



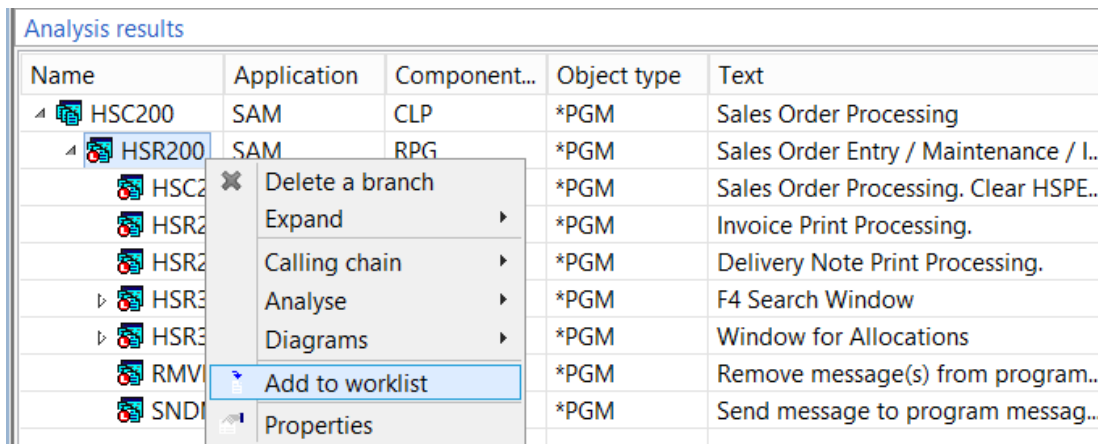
- The information appears in a new view called **Calling Chain**. It is shown in the figure below.

From this window, you will transfer the identified components to a work list.



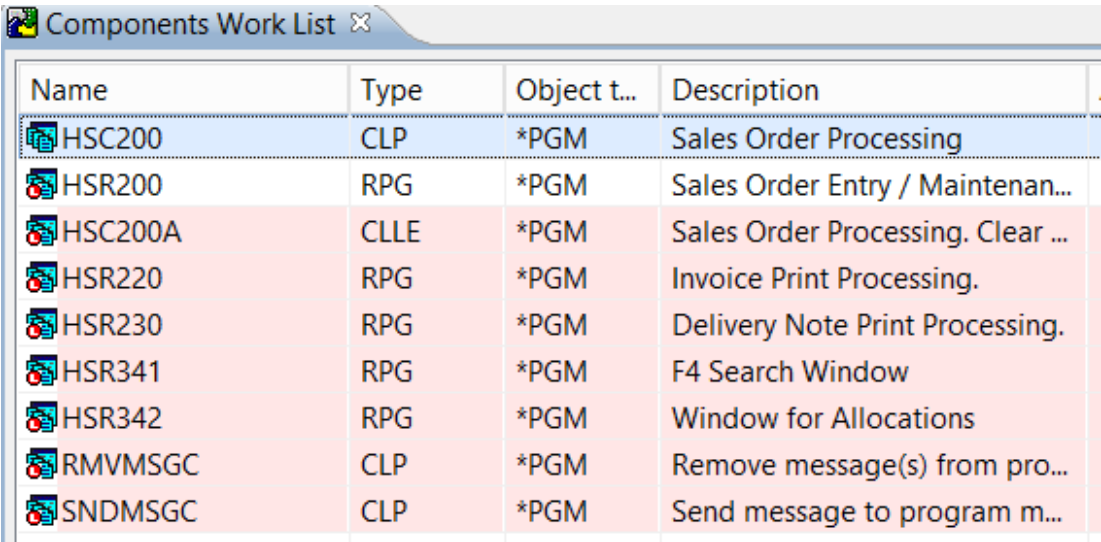
### 3.1.4 TRANSFER TO A WORK LIST

- Select these components, right click and use the function Add to work List



A **Components Work List** view is created. It includes all calling chain elements as shown in the figure below.

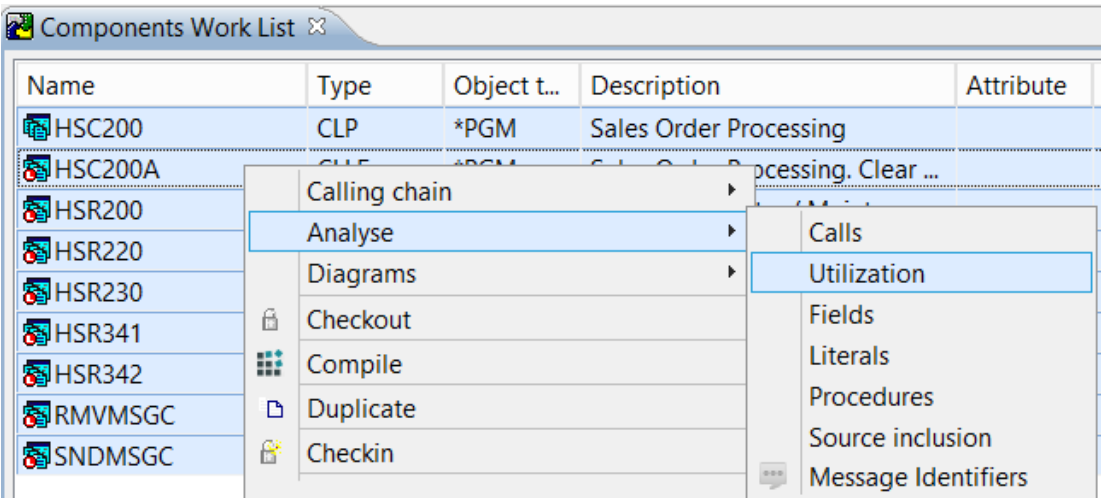
Now, you will work from this list to retrieve the files used by these programs.



Name	Type	Object t...	Description
HSC200	CLP	*PGM	Sales Order Processing
HSR200	RPG	*PGM	Sales Order Entry / Mainten...
HSC200A	CLLE	*PGM	Sales Order Processing. Clear ...
HSR220	RPG	*PGM	Invoice Print Processing.
HSR230	RPG	*PGM	Delivery Note Print Processing.
HSR341	RPG	*PGM	F4 Search Window
HSR342	RPG	*PGM	Window for Allocations
RMVMSGC	CLP	*PGM	Remove message(s) from pro...
SNDMSGC	CLP	*PGM	Send message to program m...

3.1.5 CROSS-REFERENCES

- In the **Components Work List**, click on the first line to select it.
- Press shift and click on the last line to select all the component of the list.
- Right-click on the list and select the **Analyse / Utilization** option.



Name	Type	Object t...	Description	Attribute
HSC200	CLP	*PGM	Sales Order Processing	
HSR200	RPG	*PGM	Sales Order Entry / Mainten...	
HSC200A	CLLE	*PGM	Sales Order Processing. Clear ...	
HSR220	RPG	*PGM	Invoice Print Processing.	
HSR230	RPG	*PGM	Delivery Note Print Processing.	
HSR341	RPG	*PGM	F4 Search Window	
HSR342	RPG	*PGM	Window for Allocations	
RMVMSGC	CLP	*PGM	Remove message(s) from pro...	
SNDMSGC	CLP	*PGM	Send message to program m...	

Calling chain

Analyse

Diagrams

Checkout

Compile

Duplicate

Checkin

Utilization

Fields

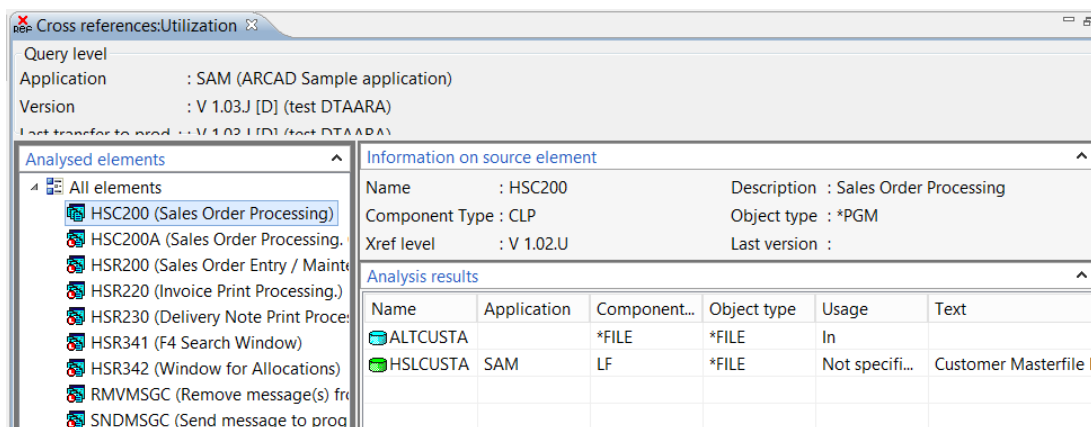
Literals

Procedures

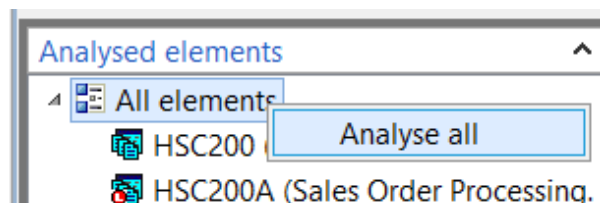
Source inclusion

Message Identifiers

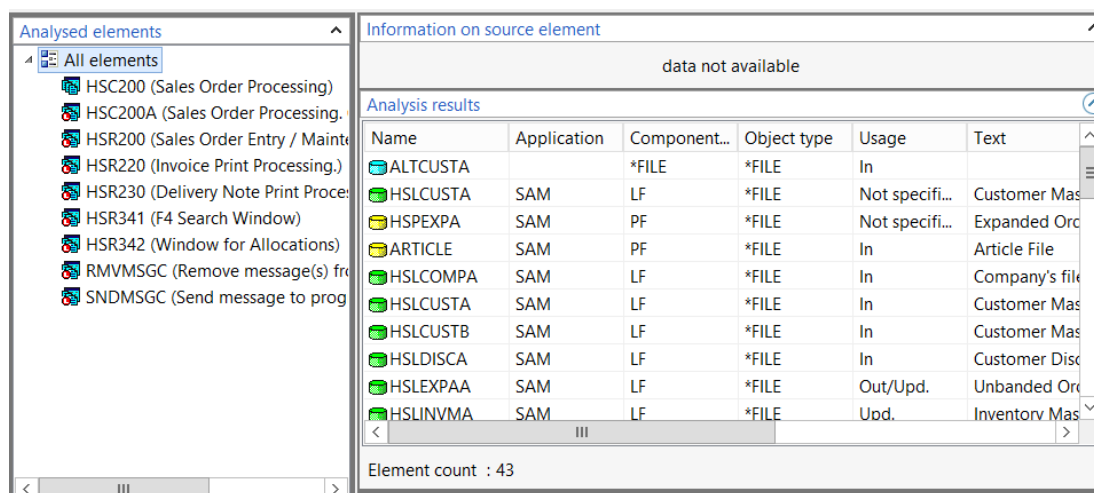
A new view called **Cross references Utilization** is created:



- In the **Analyzed elements** list on the right hand side of the display, select the **All elements** node.
- Right-click and select the **Analyze all** option



All the database files used by the components in the list are displayed:



To continue with the creation of the working list, you will now transfer these data files to it:

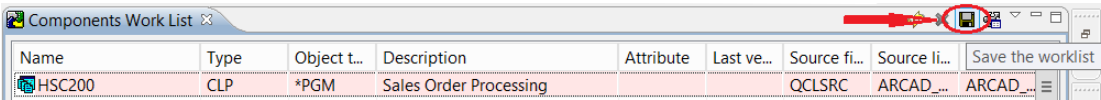
- Click on the first line to select it.
- Press shift and click on the last line to select all the component of the list.
- Right-click on the list and select the files have now been added to the list of working components.

You are placed back in the **Components Work List** view.

### 3.1.6 SAVING THE WORK LIST

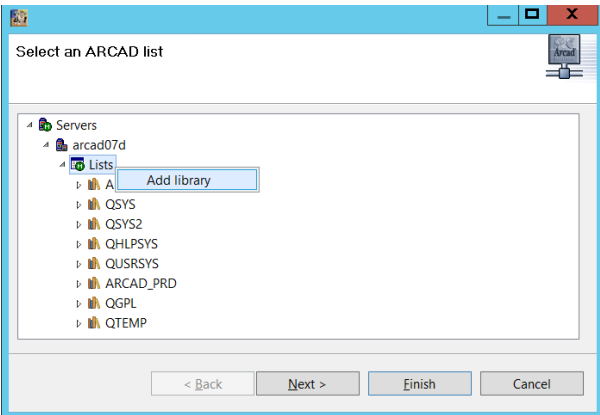
The list can now be saved in the ARCAD-Observer database for later use.

- In the **Components Work List** click the button  :

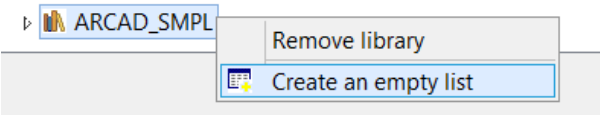


Name	Type	Object t...	Description	Attribute	Last ve...	Source fi...	Source li...	Save the worklist
HSC200	CLP	*PGM	Sales Order Processing			QCLSRC	ARCAD_...	ARCAD_...

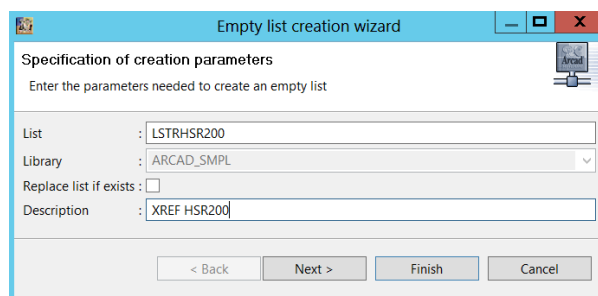
- Expand Servers → your server → Lists
- If ARCAD\_SMPL is not in the list of libraries, right-click **List** to add ARCAD\_SMPL



- Right-click ARCAD\_SMPL and select the option **create an empty list**



The **window Empty list creation wizard** appears:



- Enter LSTHSR20 as list name
- Enter a description
- Click on the **Finish** button.
- You are back on the previous window. Click **Finish**

The list of components to be documented now includes a list of programs along with the files they use.

## 3.2 GENERATING A WORKFLOW DIAGRAM

### 3.2.1 INTRODUCTION

This feature allows you to create a diagram for a chain of programs. It can be used either as an impact analysis tool or for documentation purposes. This diagram can later be included in the documentation.

### 3.2.2 OBJECTIVES

This section covers the flowchart generation and formatting.

### 3.2.3 GENERATING THE INITIAL WORKFLOW DIAGRAM

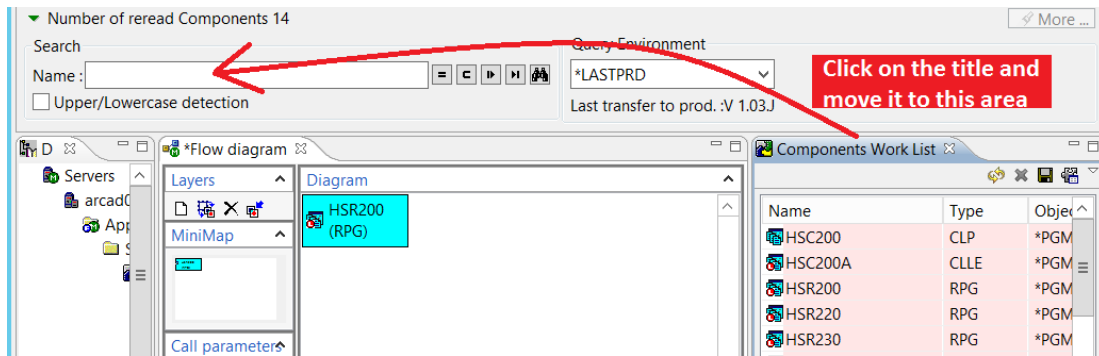
- Position the cursor on the “**Repository**” view and find the component **HSR200**
- Right-click on the component and select the **Diagram | Flow Diagram** option
- ARCAD-Observer creates a new view called “**Flow Diagram**”. It places a form representing the HSR200 program in the diagram.

**Note:** For this type of diagram, you must select the components that you wish to see displayed. You will have a single graphical representation of a given component and the generation of potential multiple links.

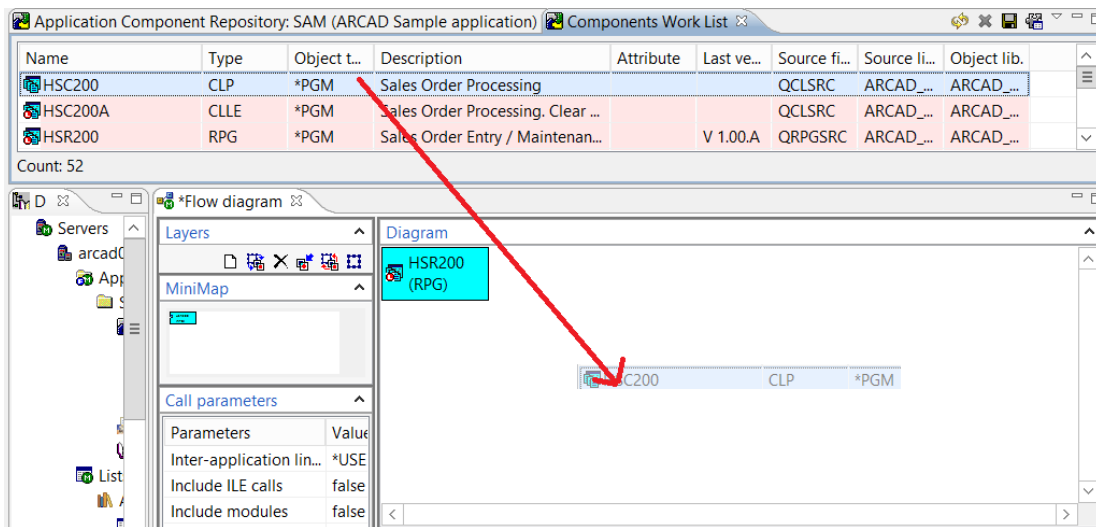
### 3.2.4 ADDING CALL CROSS-REFERENCES

To complete our diagram, we will use the element of your work list. For this we must view on the same screen the **Flow Diagram** view and the **Component work list** view.

- Left-click on the title of the view **Component work list** and move it to another area.



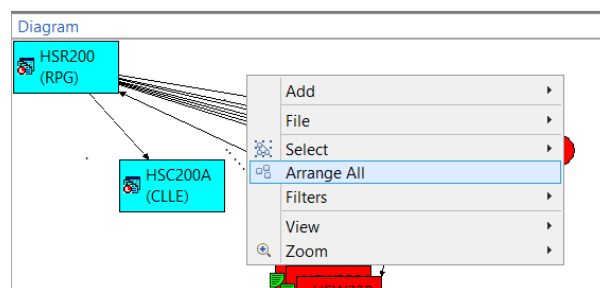
- Left-click the programs from the list and drop them to the **Flow diagram** view:



- Left-click the PRTF and DSPF from the list and drop them to the **Flow diagram** view.

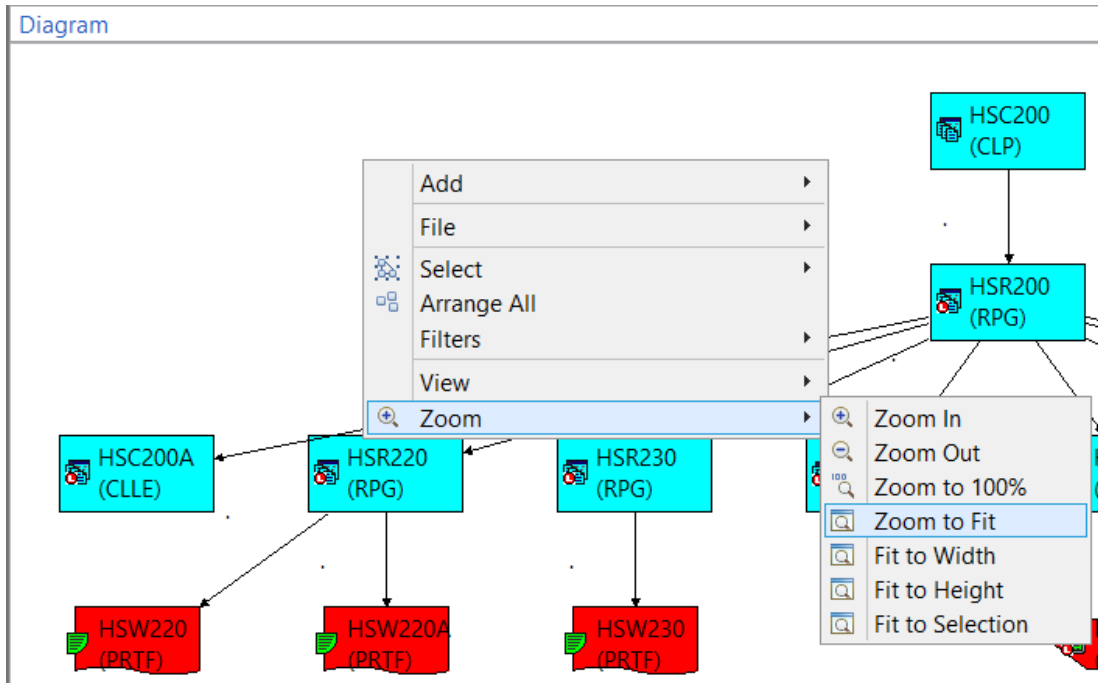
### 3.2.5 RE-ORGANIZING OBJECTS IN THE DIAGRAM:

- Right-click in the flow diagram view and select **Arrange All**.

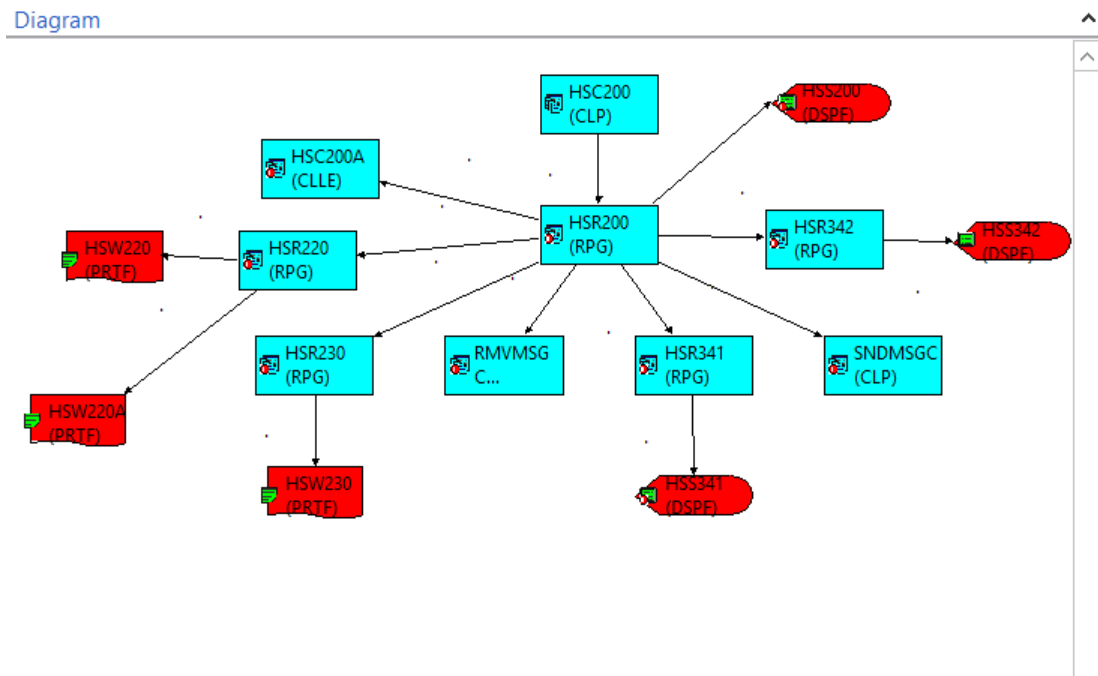


- Double-click the title of the view to maximize it.
- Right-click the view and select **Zoom / Zoom to fit**.





- You can move some shapes to make the diagram nicer.



You will now save this chart into the database.

## 3.3 CREATING DOCUMENTATION

---

### 3.3.1 OBJECTIVES

---

This section describes how to:

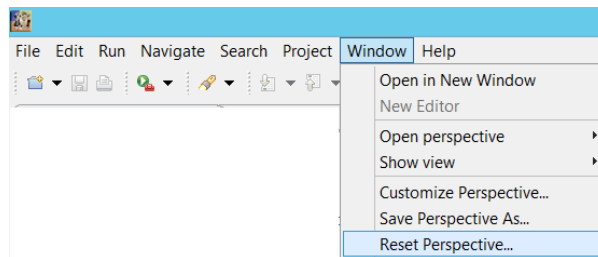
- create a documentation project;
- create a document version;
- add customization items;
- generate documentation using different strategies;
- export documentation to a website.

### 3.3.2 SWITCHING TO ARCAD-DOCUMENTER

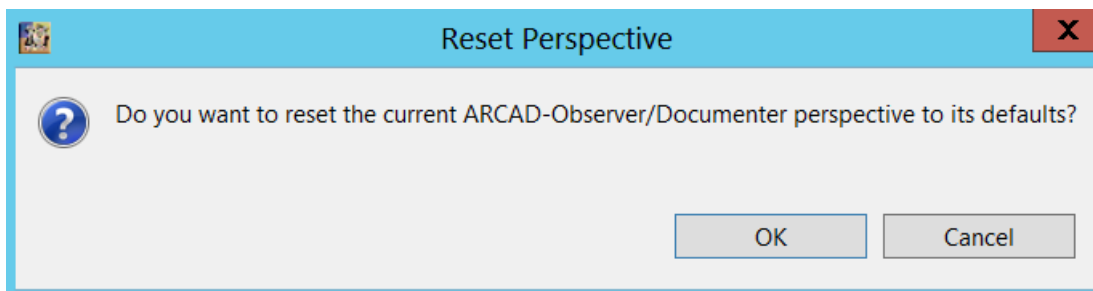
---

In this section, you are using the ARCAD-Documenter module of ARCAD-Observer. To switch to the documentation module, proceed as follows:

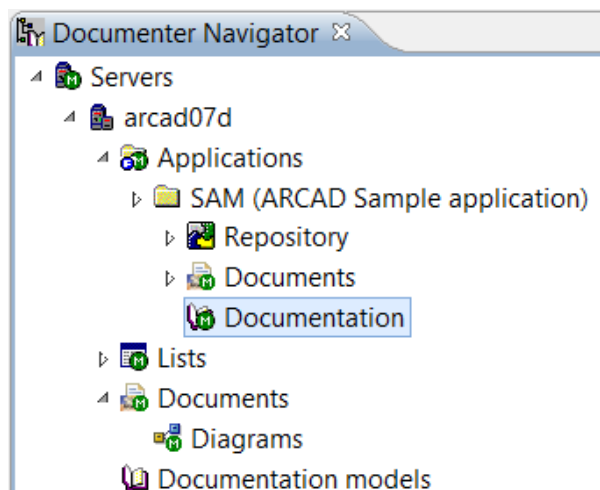
- In the menu bar select **Window / Reset perspective...**



- The rest perspective confirmation window appears. Click **OK**

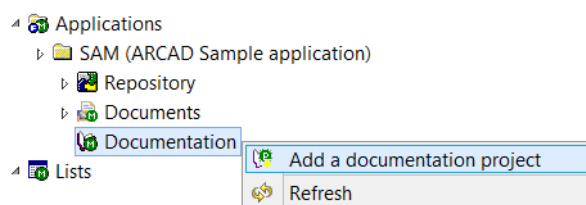


- In the **Documenter Navigator** view expand **Applications / SAM** to retrieve **Documentation**.



### 3.3.3 CREATING A PROJECT

- Right-click **Documentation** and select the **Add ad documentation project** command:



- In the **Creating a document project** window that appears, enter the following values:

**Creating a documentation project**

**General information**

Application : SAM

Name : SAM Technical documentation

Description : SAM Technical documentation

Comment :

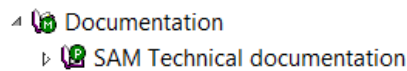
Default project : ☐

Project manager : ARCAD sample user profile (ARCAD\_PGMR)

Finish Cancel

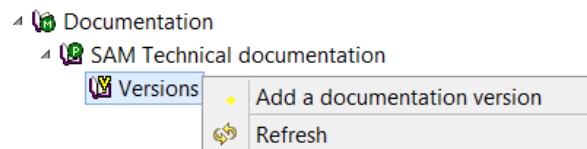
- **Name:** SAM Technical Documentation
- **Description:** SAM Technical Documentation
- **Project manager:** select ARCAD sample user profile (ARCAD\_PGMR)
- Click on **Finish** to validate the addition of a new project

You can now see the project in the **Documenter Navigator** tree. The project is used to contain different versions of documents.



### 3.3.4 CREATING A VERSION

- Expand this project in the **Documenter Navigator** tree to see Versions.
- Right-click Versions and select **Add a document version**.



- Enter the following values in the new dialogue box:

**Creating a documentation version**

**General information**

Start date : 08/21/2015

End date :

Version number : 1 0 0

Query level : \*LASTPRD

Description : Initial version

Comment :

Project manager : ARCAD sample user profile (ARCAD\_PGMR)

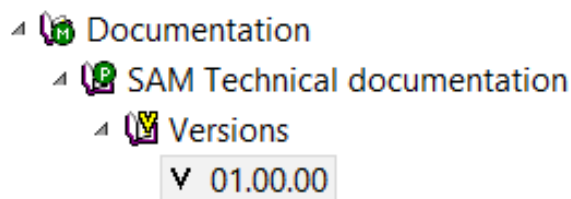
Model : ARCAD - technical documentation

ARCAD Version :

Finish Cancel

- **Version Number:** 1 0 0
- **Description:** Initial version
- **Project manager:** select ARCAD sample user profile (ARCAD\_PGMR)
- **Model:** ARCAD – Technical Documentation
- Click on **Finish** to validate the addition of the new version.

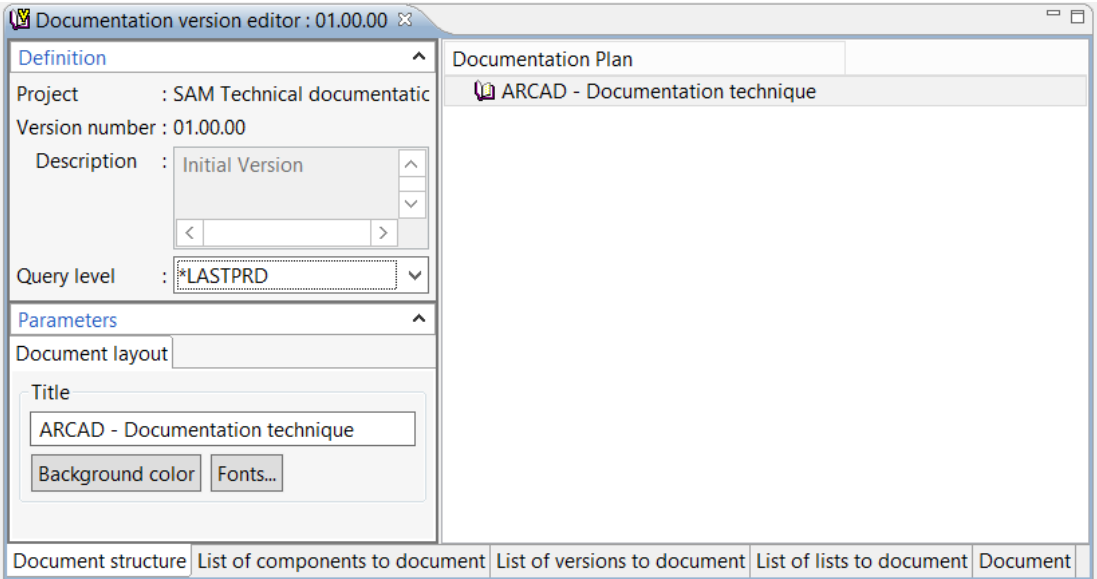
You can now see the project in the **Documenter Navigator** tree.



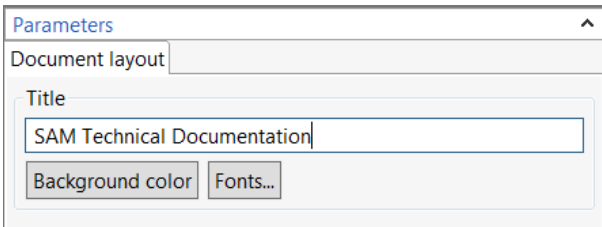
### 3.3.5 DOCUMENT VERSION EDITOR

- Double-click your version.

The Document version editor appears:

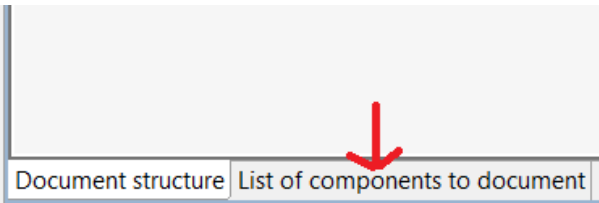


- Double click the title of the view to maximize it.
- In the bottom left pane enter a new **title**: SAM Technical documentation

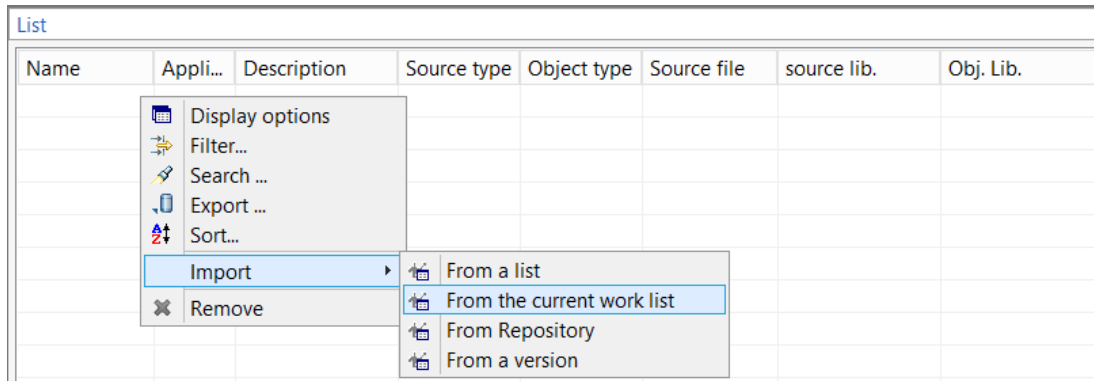


### 3.3.6 IMPORTING A COMPONENT LIST

- Click on List of components to document to open this tab.



- Right-click this tab and select **import / From the current work list**.



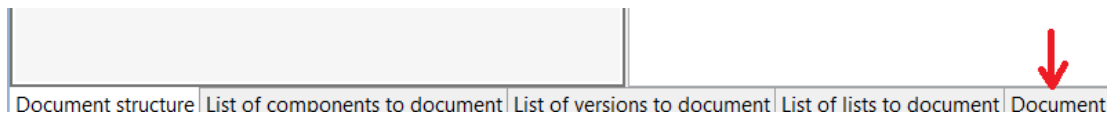
All the components in the imported list are now under the **List of Components to Document** view of the display.

List							
Name	Appli...	Description	Source type	Object type	Source file	source lib.	Obj. Lib.
HSPEXPA	SAM	Expanded Ord...	PF	*FILE	QDDSSRC	ARCAD_SMPL	ARCAD_SMPL
HSS341	SAM	F4 Search Win...	DSPF	*FILE	QDDSSRC		ARCAD_SMPL
HSR341	SAM	F4 Search Win...	RPG	*PGM	QRPGSRC	ARCAD_SMPL	ARCAD_SMPL
HSLINVMA	SAM	Inventory Mast...	LF	*FILE	QDDSSRC		ARCAD_SMPL
HSPINVT	SAM	Inventory Tran...	PF	*FILE	QDDSSRC	ARCAD_SMPL	ARCAD_SMPL
HSLPRODA	SAM	Item master fil...	LF	*FILE	QDDSSRC		ARCAD_SMPL
HSAORD...	SAM	Next Order Nu...	*DTAARA	*DTAARA			ARCAD_SMPL
HSQ342	SAM	Open Query Fil...	PF	*FILE	QDDSSRC		ARCAD_SMPL
HSQ341	SAM	Open Query Fil...	PF	*FILE	QDDSSRC		ARCAD_SMPL
RMVMSGC	SAM	Remove mess...	CLP	*PGM	QCLSRC		ARCAD_SMPL
HSLODELA	SAM	Sales Order D...	LF	*FILE	QDDSSRC		ARCAD_SMPL
HSLORD...	SAM	Sales Order D...	LF	*FILE	QDDSSRC		ARCAD_SMPL
HSLORD...	SAM	Sales Order D...	LF	*FILE	QDDSSRC		ARCAD_SMPL
HSS200	SAM	Sales Order En...	DSPF	*FILE	QDDSSRC		ARCAD_SMPL
HSR200	SAM	Sales Order En...	RPG	*PGM	QRPGSRC	ARCAD_SMPL	ARCAD_SMPL

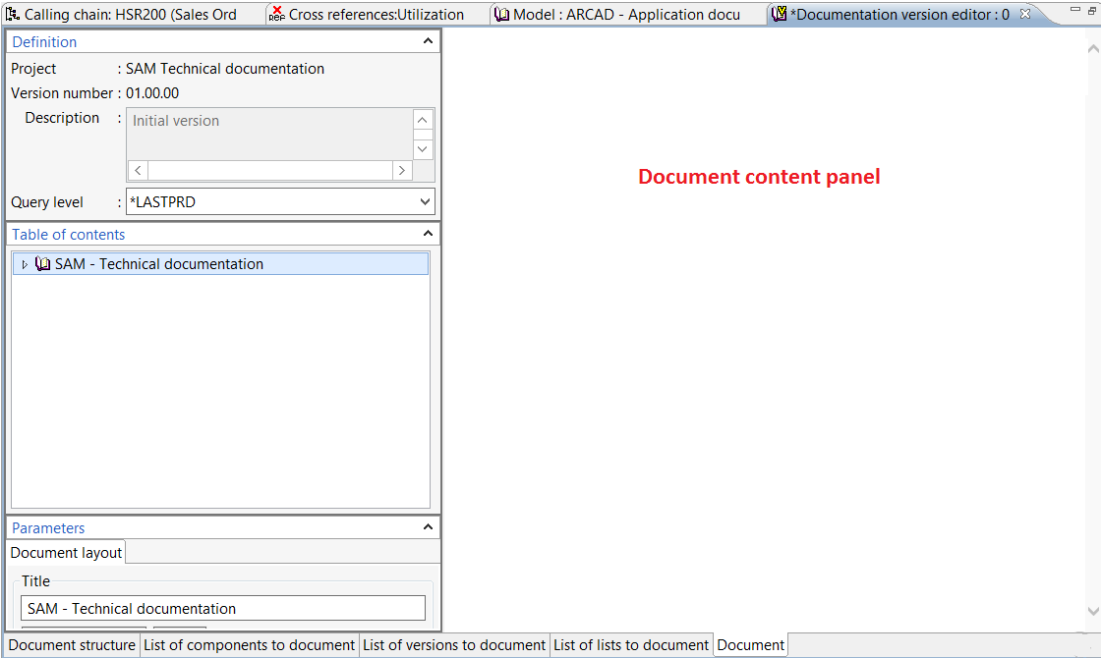
### 3.3.7 REVIEW THE DOCUMENT

The document was created using a model. We will now review the document, see its contents remove or add some chapters.

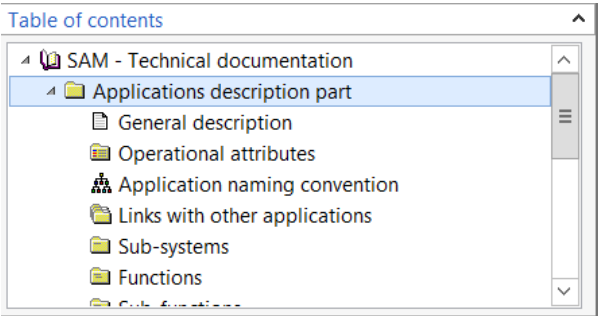
- Click on the **Document** tab.



The document tab appears.

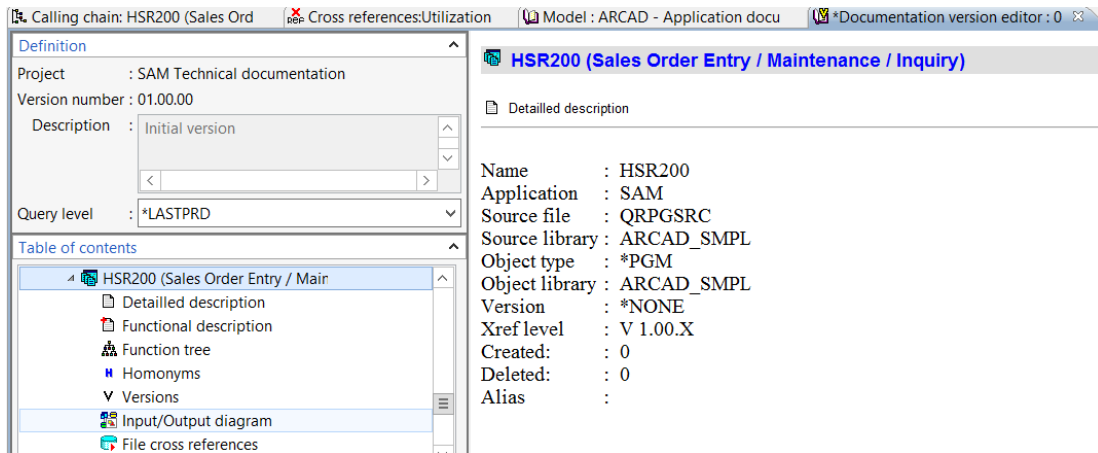


- Expand the items of the **Table of contents** to see all the chapters.



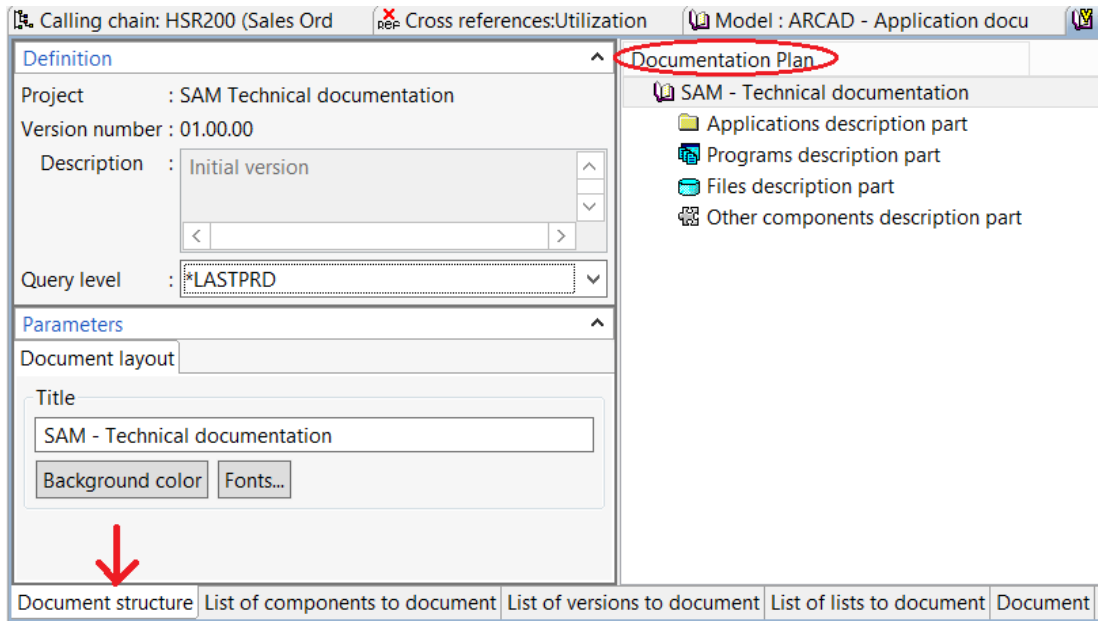
- Click on chapters to see the content in the **Document content panel**



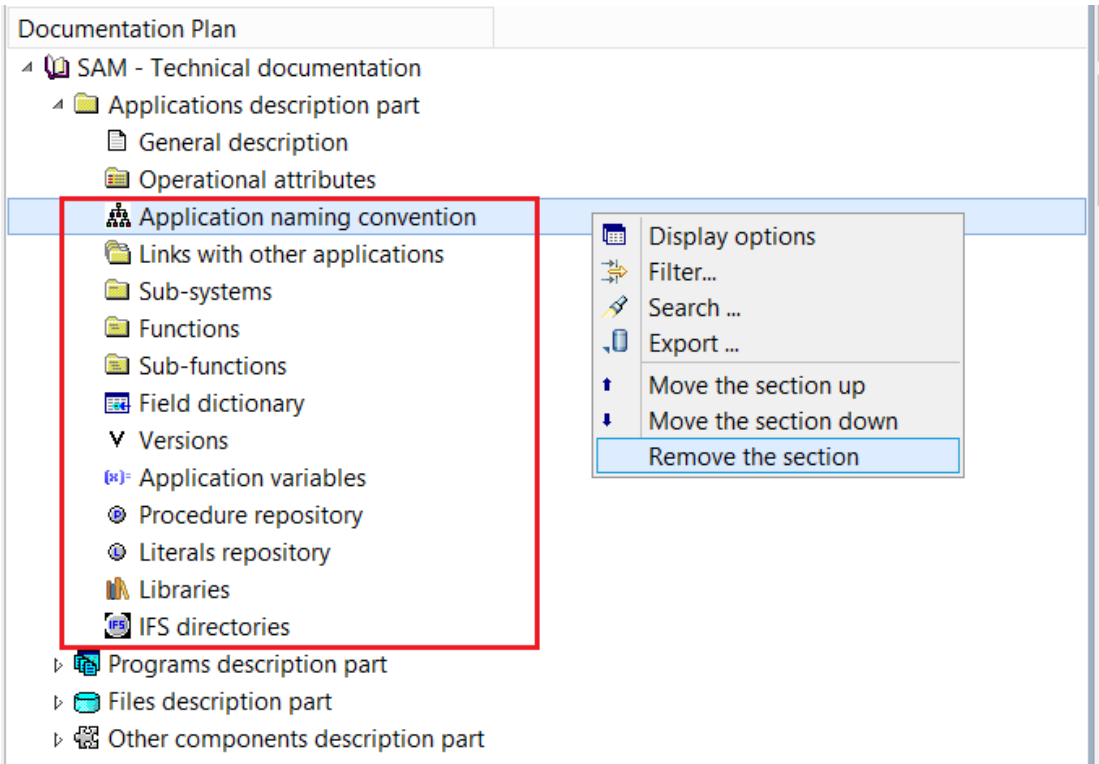


Some chapters are empty or you want to remove them.

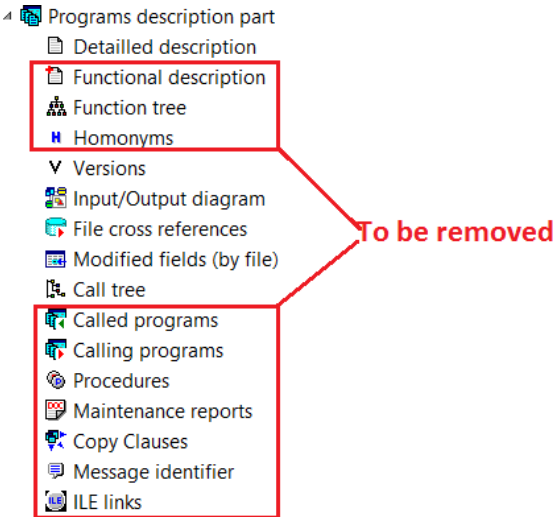
- Click on the **Document Structure** tab to see the **Documentation Plan**



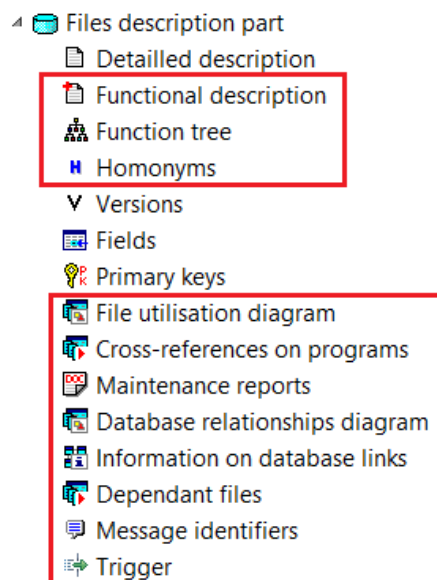
- Right click chapters like **Application naming convention** and choose the option **Remove the section**



- In the **Program description part** you can also remove some sections.



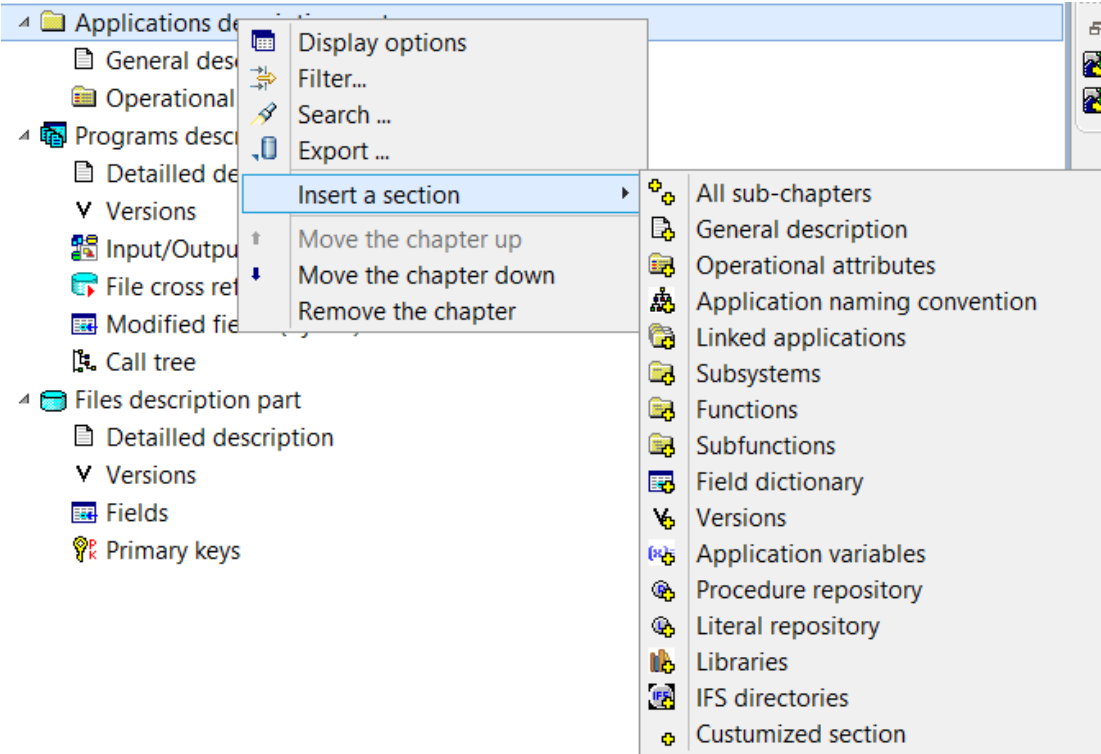
- And in the **Files Description Part**



- The chapter **Other components description part** is empty. Remove it.

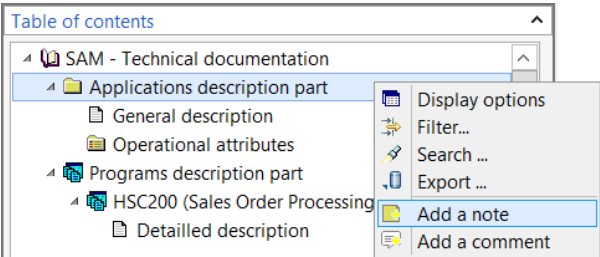
If you want to add a section:

- Right-click the chapter and select **Insert a section / ...**

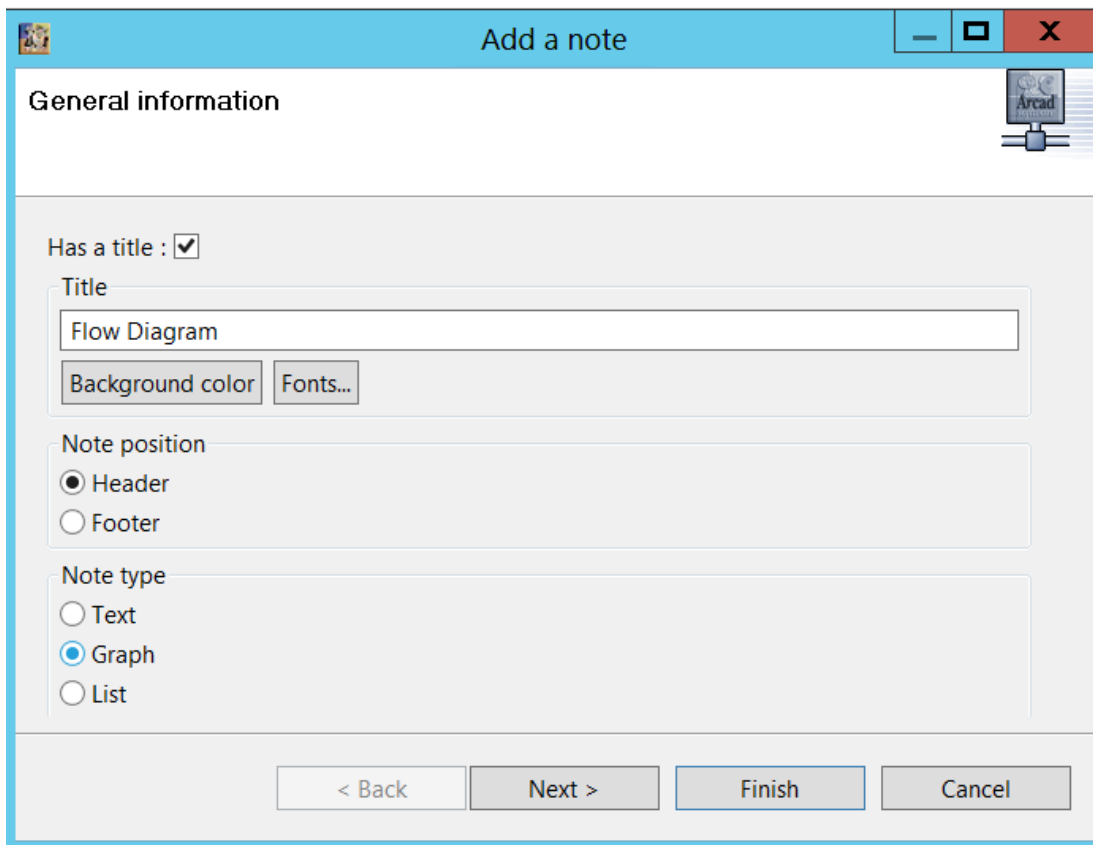


3.3.8 INTEGRATING A WORKFLOW DIAGRAM

- Click the **Document** tab.
- In the **Table of contents** view, right click the **Application Description Part** and choose the option **Add a note**



The **Add a note** window appears:



The screenshot shows the 'Add a note' dialog box with the 'General information' tab selected. The 'Has a title' checkbox is checked. The 'Title' field contains 'Flow Diagram'. The 'Background color' and 'Fonts...' buttons are visible. Under 'Note position', 'Header' is selected. Under 'Note type', 'Graph' is selected. The 'Finish' button is highlighted.

General information

Has a title : ☒

Title

Flow Diagram

Background color Fonts...

Note position

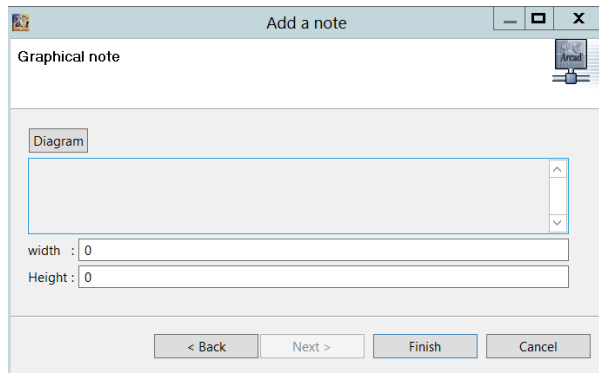
☒ Header  
☐ Footer

Note type

☐ Text  
☒ Graph  
☐ List

< Back Next > Finish Cancel

- Enter the **Title**: Flow diagram
- Choose the **Note type** **Graph**.
- Click on **Next**> button
- Click on **Diagram** button



The screenshot shows the 'Add a note' dialog box with the 'Graphical note' tab selected. The 'Diagram' button is visible. The 'width' and 'Height' fields are both set to 0. The 'Finish' button is highlighted.

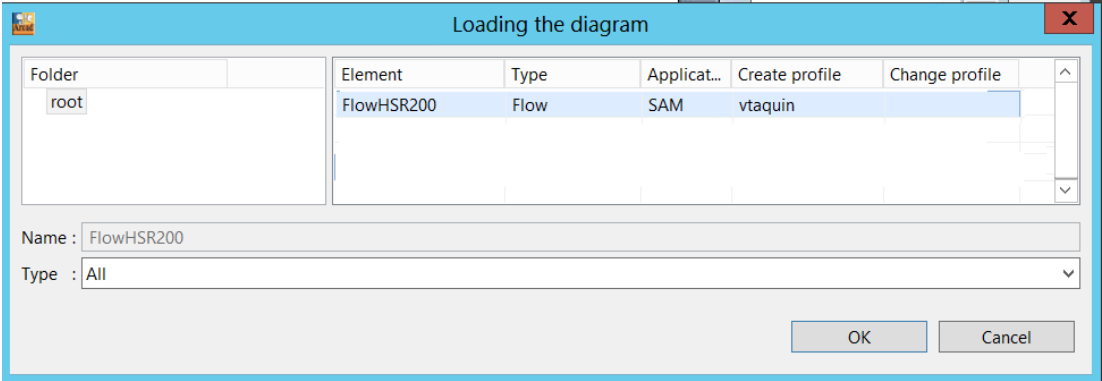
Graphical note

Diagram

width : 0  
Height : 0

< Back Next > Finish Cancel

- Select your diagram **FlowHSR200** and click **OK**



- Click on **Finish**

Table of contents

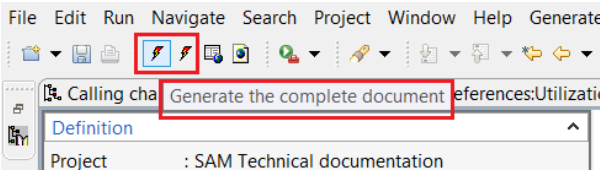
- ◢ SAM - Technical documentation
  - ◢ Applications description part
    - Flow Diagram
    - General description
    - Operational attributes
  - ◢ Programs description part
    - ◢ HSC200 (Sales Order Processing)
      - Detailed description

### 3.3.9 GENERATING DOCUMENTATION

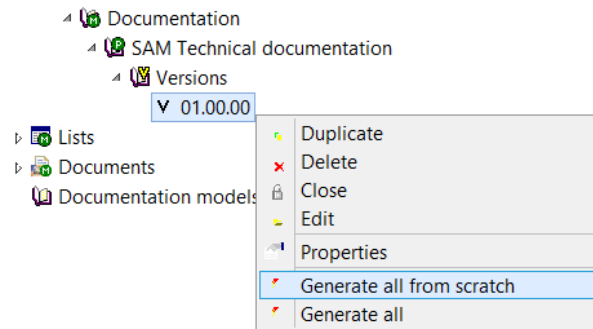
The generation of the documentation doesn't product any "documents". This is only an update of the Arcad Database.

To generate the complete document:

- click on the icon  on the banner,

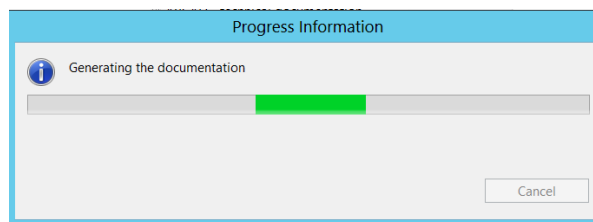


- or right click on the version in the **Documenter Navigator**



It is possible generate the complete document from scratch. In this case, the documentation stored in the Arcad database will be calculated and saved again.

The document is generated:



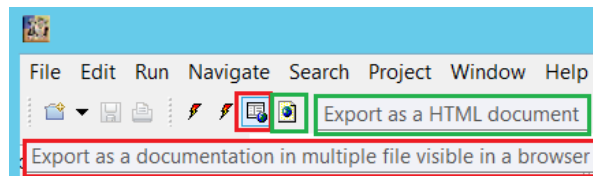
### 3.3.10 EXPORTING YOUR DOCUMENTATION

Once your documentation has been generated, you can export in a single file or separate files

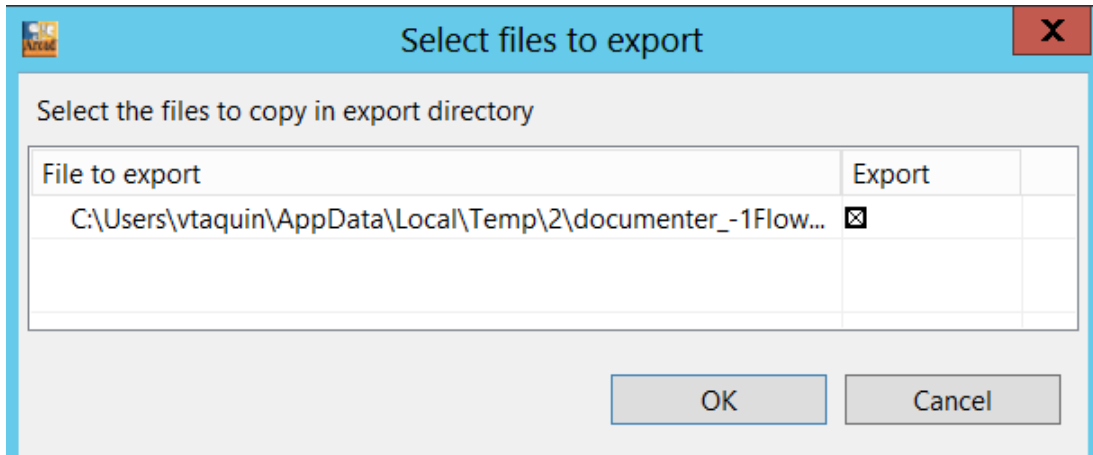
- In the menu bar select **Export / Export to site** (or **Export to file**)



- Or click on the icon  on the banner

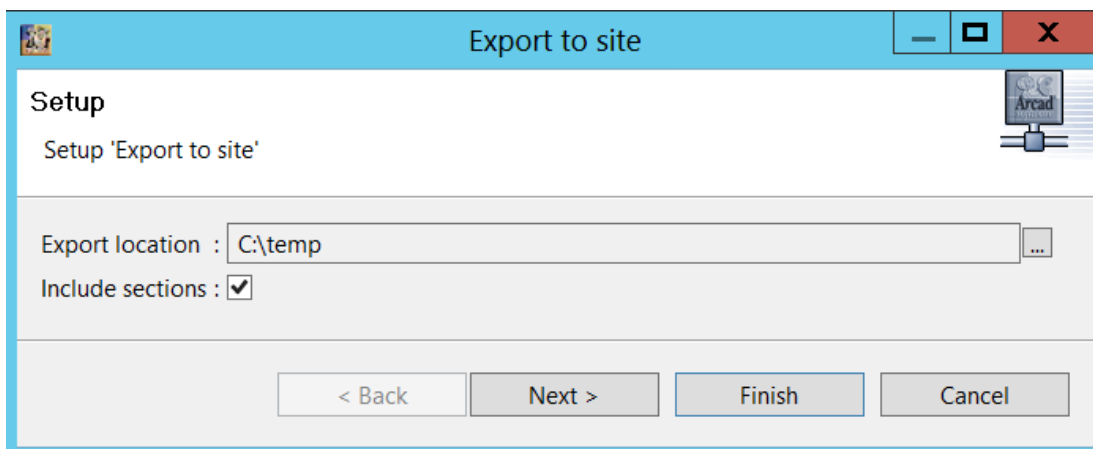


The **Select a file to export** windows appears:



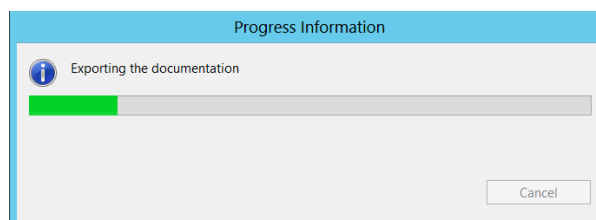
- Click on **OK**

The **Export to site** window appears:



- Select an **Export location** on your computer and click on **Finish**.

The document is exported.



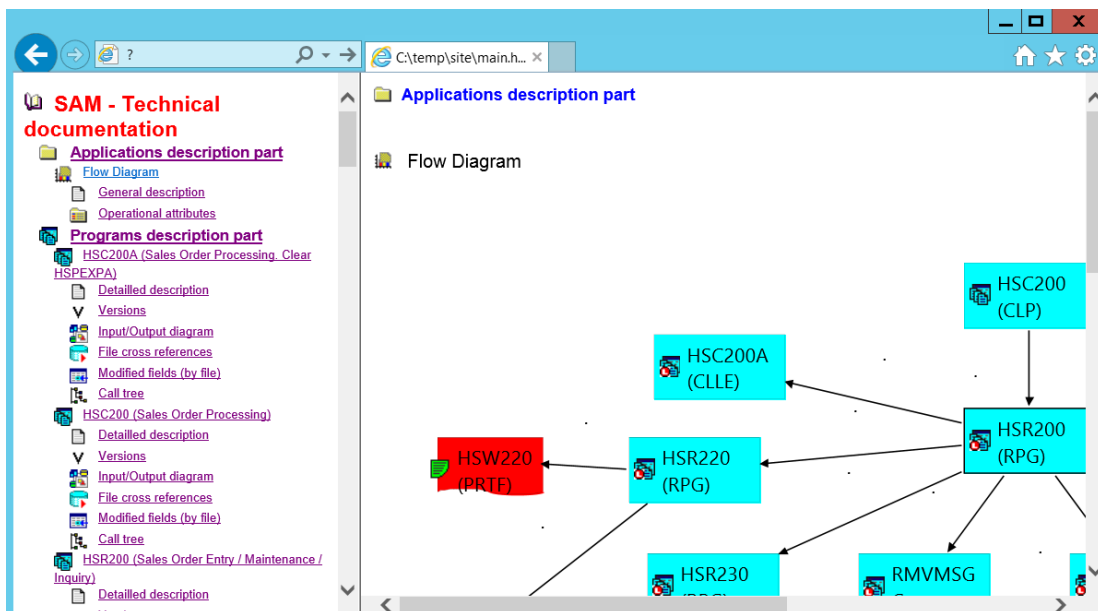
- Open **file explorer** and open the directory **site**



↑ Computer > Local Disk (C:) > temp > **site**

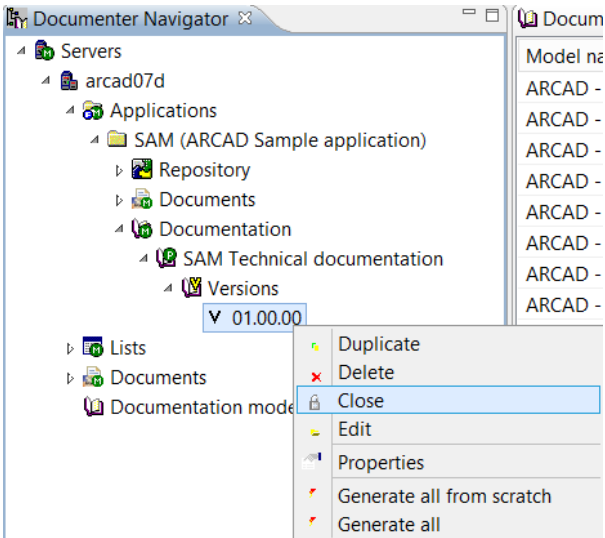
Name	Date modified	Type	Size
application	8/20/2015 5:17 PM	File folder	
components	8/21/2015 5:02 PM	File folder	
files	8/21/2015 11:09 A...	File folder	
images	8/20/2015 5:17 PM	File folder	
content	8/21/2015 11:36 A...	HTML Document	101 KB
documentation	8/21/2015 11:36 A...	HTML Document	1 KB
footer	8/21/2015 5:02 PM	HTML Document	1 KB
header	8/21/2015 5:02 PM	HTML Document	1 KB
index	8/21/2015 5:02 PM	HTML Document	1 KB
<b>main</b>	8/21/2015 5:02 PM	HTML Document	1 KB

- Click on the HTML Document main to open it.

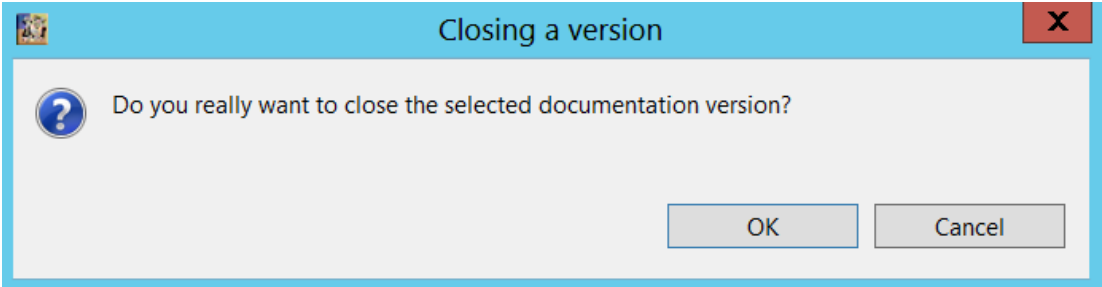


### 3.3.11 CLOSING A VERSION

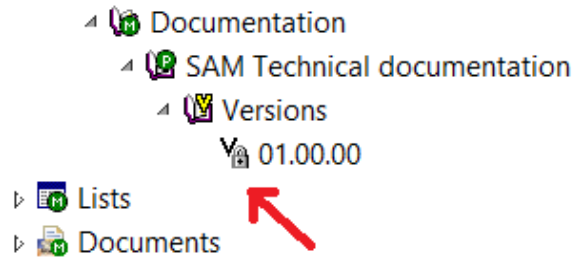
- Right click your version and select the option **Close**.



- Click on **OK** to validate confirm.



This new icon means that the version is closed



### 3.4 UPDATING DOCUMENTATION

#### 3.4.1 OBJECTIVES

This section describes how to:

- Duplicate a version
- Update documentation from components in an ARCAD-Skipper version.

### 3.4.2 INTRODUCTION

Updating standard documentation means recalculating obsolete information. Obsolete information comes from:

- Modification of information linked to a set of components;
- Addition of new components;
- Deletion of components.

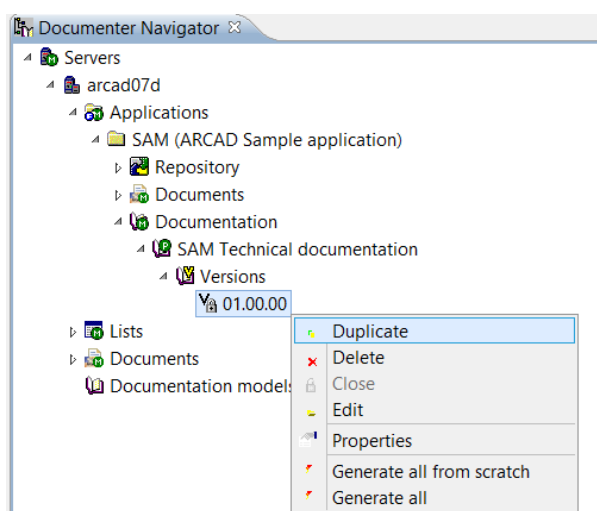
Within an ARCAD version of an application, this information is made available and is used to complete the update operation.

Therefore, updating the documentation means having the initial documentation to which we will apply an update. This initial documentation is called the "base version".

### 3.4.3 VERSION DUPLICATION

This first step consists of duplicating the information in the initial version. To do so, you must be in the **Document navigator** view and then proceed as follows:

- Select the project that corresponds to the basic version of the document;
- In this project select the version 01.00.00



- Right click and select the option **Duplicate**.

Duplicating a documentation version

General information

Start date : 08/24/2015

End date :

Version number : 1 1 0

Query level : \*LASTPRD

Description : New version

Comment : Demonstration

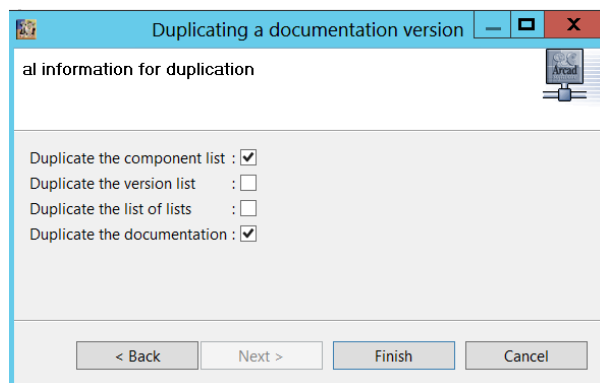
Project manager : ARCAD sample user profile (ARCAD\_PGMR)

Model : ARCAD - technical documentation

ARCAD Version :

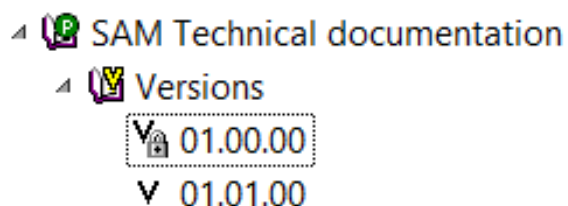
< Back Next > Finish Cancel

- In the "Version Definition" window:
  - Enter the new **version number** 1.1.0
  - Enter a relevant **description**
- Click on the **Next>** button.



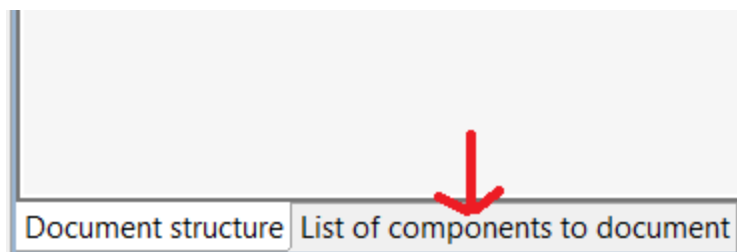
- Check the **Duplicate the Components list** and **Duplicate the Documentation** boxes and click on **Finish**.

Your new version is now ready to be updated.



### 3.4.4 UPDATING FROM A VERSION

- Click on the new version that you just created by duplicating the base version.
- Click on **List of components to document** to open this tab.



- Right click this tab and select **import / From a version**

- In the ARCAD version selector, select the version of the application that contains the update information;



Import a list of components

Select components in the version

Name : \*

Source Type : \*

Component Type : \*

Description : \*

Source File : \*

☐ Display DTC components

Start Date : 01/01/1950

End Date : 12/31/2050

Reset dates

☐ Upper/Lowercase detection

Modify : \*

Modification indicators

☐ All

☒ Added ☒ Modified

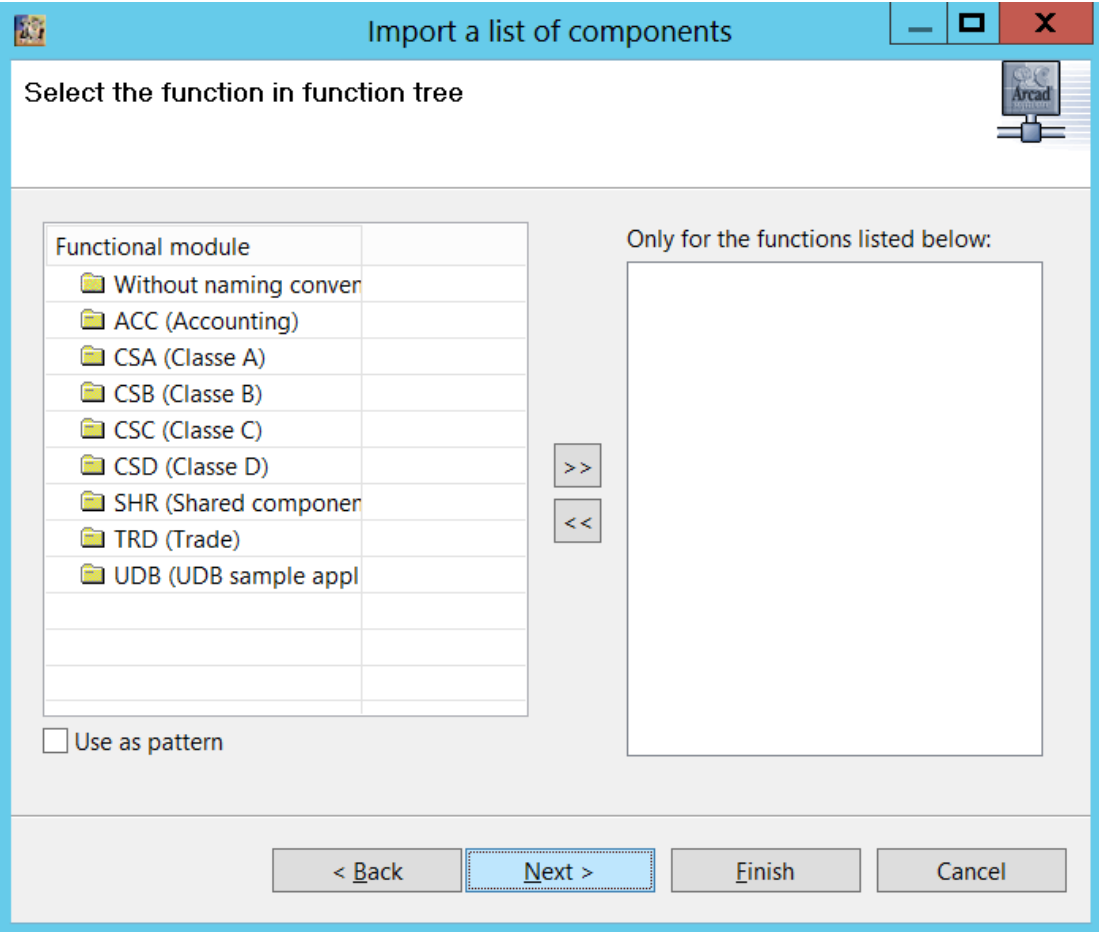
☒ Deleted ☒ Checked-out

☐ Data updated ☐ Recompiled

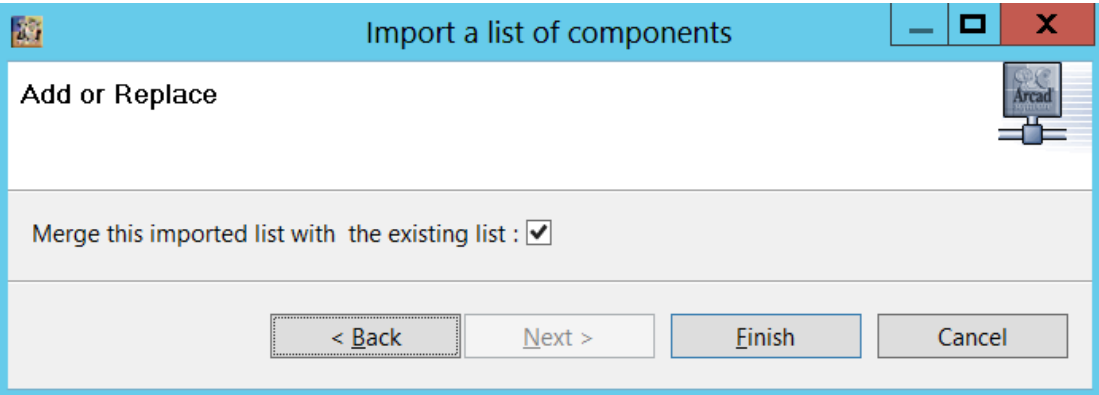
☐ Simple use ☐ Reservation

< Back Next > Finish Cancel

- Click on Next >

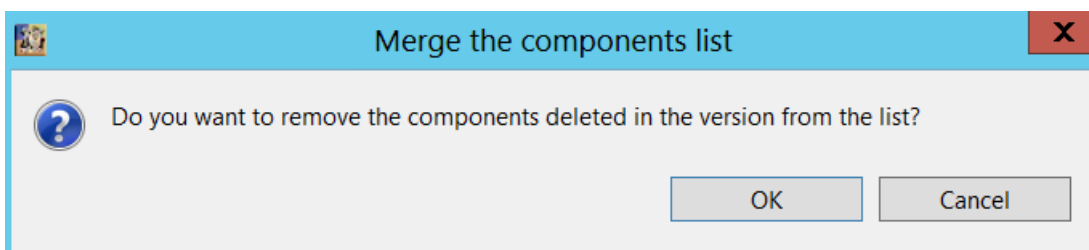


- Click on **Next >**



- Click on **Finish**





- Click on **OK**

**Note:** During the merge, ARCAD-Observer compares the list of components from the version and the list of components from the base version.

- New components are inserted into the corresponding chapters, depending on their types.
- Content entries associated with the deleted components are deleted.
- Information regarding the components marked "Checked Out" or "Modified" are deleted but the contents entries are kept.

### 3.4.5 GENERATING DOCUMENTATION

- Open the version (selects the version and select "**Open**" option in the contextual menu).
- This allows you to access the **Documentation Generator**.
- In the new table of contents, you can see the following three things:
  - The addition of new entries associated with the components added to the version;
  - The deletion of entries associated with the components deleted from the version;
  - The deletion of the generation dates for the entries corresponding to modified or checked-out components in the version.
- Start up a new documentation generation (overall or per task), making sure not to force the data update.

**Note:** If you force the information update, the data will of course be correct, but you will lose the time saved during the selective update.

## 4 NOW IT'S YOUR TURN...!

---

Now that you are familiar with the functional range of ARCAD-Observer, you can use it with your own data in your own repository. If you have not yet loaded your repository, please refer to the *ARCAD Open Repository Loading Guide*.

## CONTACT ARCAD SOFTWARE

Visit our website! [arcadsoftware.com](http://arcadsoftware.com)

### SUPPORT

ARCAD Software guarantees consultant support 24 hours a day, 5 days a week (24/5) to registered members. Calls received on the numbers for France, USA and Hong Kong are redirected to a central system which, according to the hour, puts you in contact with a consultant in or near your timezone.

Country	E-mail	Telephone
FRANCE	<a href="mailto:support-eu@arcadsoftware.com">support-eu@arcadsoftware.com</a>	+33 4 50 57 28 00
GERMANY	<a href="mailto:support@arcadsoftware.de">support@arcadsoftware.de</a>	Tel. +49 40 357 09 10-2
SWEDEN	<a href="mailto:support-se@arcadsoftware.com">support-se@arcadsoftware.com</a>	Tel. +46(0) 70-793 6570
USA	<a href="mailto:support-usa@arcadsoftware.com">support-usa@arcadsoftware.com</a>	+1 (603) 574-4860
HONG KONG	<a href="mailto:support-asia@arcadsoftware.com">support-asia@arcadsoftware.com</a>	+852 8192 5740

Table 4: Contact the ARCAD Software support team

### CONTACT INFORMATION

Headquartered in France at the foot of the Alps ARCAD Software offers global services and has offices on three continents.

Country	Address	Telephone
FRANCE	<b>Arcad Software</b> 55 Rue Adrastée 74650 Annecy/Chavanod	Tel. +33 4 50 57 83 96 Fax +33 4 50 57 52 79 <a href="mailto:sales-eu@arcadsoftware.com">sales-eu@arcadsoftware.com</a>
	<b>Arcad Software</b> 67 Rue du Bourbonnais 69009 Lyon	Tel. +33 9 72 42 09 57
GERMANY	<b>ARCAD Software Deutschland GMBH</b> Richardstr. 84 22089 Hamburg	Tel. +49 40 357 09 10-2 <a href="mailto:sales@arcadsoftware.de">sales@arcadsoftware.de</a>
SWEDEN	<b>ARCAD Software Nordic AB</b> Prostvägen 36 141 43 HUDDINGE	Tel. +46(0) 70-793 6570 <a href="mailto:sales-se@arcadsoftware.com">sales-se@arcadsoftware.com</a>
USA	<b>ARCAD Software Inc.</b> 1 Phoenix Mill Lane, Suite 203 Peterborough, NH 03458	Tel. +1 (603) 371-9074 Toll Free +1 (800) 676-4709 <a href="mailto:sales-usa@arcadsoftware.com">sales-usa@arcadsoftware.com</a>
HONG KONG	<b>ARCAD Software Asia</b> Room 22, Smart-Space 3F, Unit 908-915, Level 9, Cyberport 3, 100 Cyberport Road	Tel. +852 3618 6118 <a href="mailto:sales-asia@arcadsoftware.com">sales-asia@arcadsoftware.com</a>

Table 5: Contact ARCAD Software

#### THE ARCAD CUSTOMER PORTAL

The [ARCAD Customer Portal](#) is intended for current customers and organizations that have downloaded full or trial versions of ARCAD software. If you already use or are interested in using an ARCAD product, the portal lets you view all of your current licenses and generate your own temporary license keys for most ARCAD products. It provides links to all of ARCAD's Release Notes and access to the ARCAD product knowledge base (FAQ, new releases, fixes, etc.) and ticketing system.

## CONTACT ARCAD PARTNERS

---

ARCAD partners with leading-edge companies throughout the world to ensure you have the local support you need and best-of-breed contacts for all of your software management solutions. Our global partners are located strategically around the globe to offer full services, close to home.

Visit our website to view the complete list of partners and their local contact information.

[arcadsoftware.com/company/partners/](http://arcadsoftware.com/company/partners/)