



# ARIS 10.0 SR20

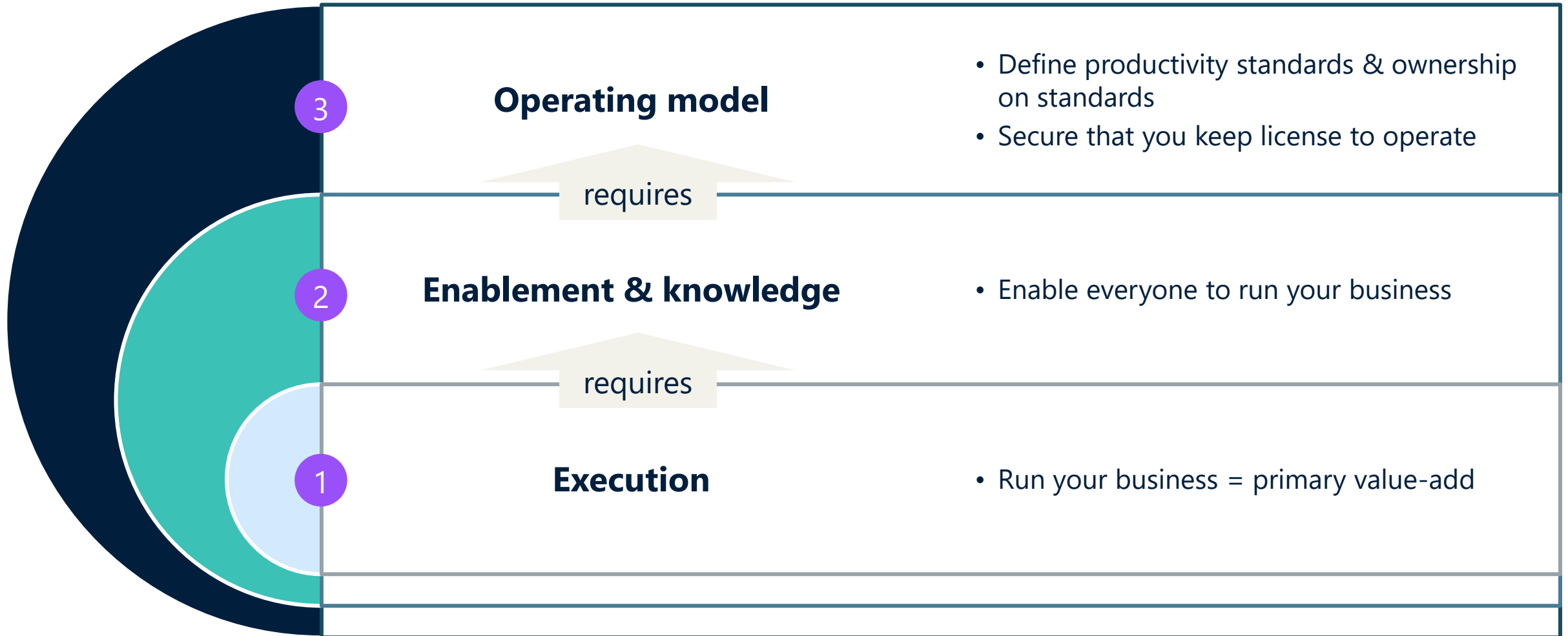
# New Features Overview

October 2022



# ARIS helps companies to become better versions


Successful process execution requires successful enablement & knowledge transfer



# Multiple drivers to get started

Serve the needs of multiple stakeholders is key in driving the success of business process adoption





**ARIS** is the **business transformation suite** that empowers our customers in all aspects from strategy to execution enabling businesses to achieve a sustainable and compliant operational excellence.

We are an **independent** and **all-in-one suite** that grows with our customers' needs.

# Capabilities

## ARIS

Process Mining  
& Analysis

Business  
Design &  
Strategy

Rollout &  
Change  
Management

Business  
Automation &  
Connectivity

Risk &  
Compliance

Technology & Platform

# New release

Key pillars of our investments with ARIS 10.0 Service Release 20 (October 2022) release

**ARIS as first choice for “Transformation suite”**

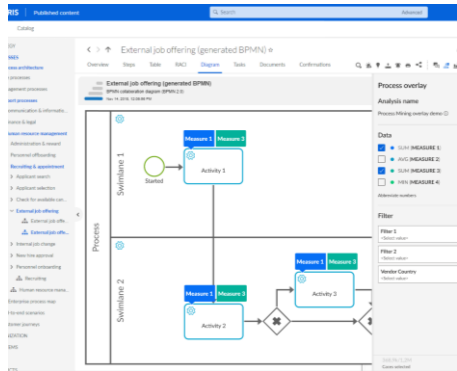
**Customer and User Experience (UX)**

**Increased value of the product**

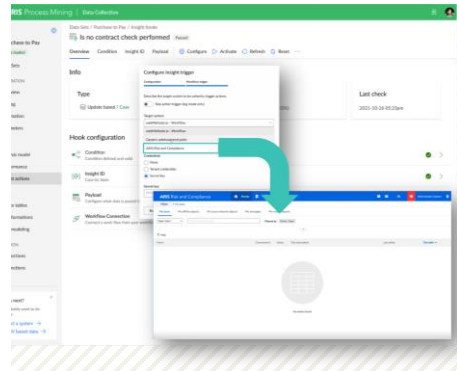
**Strong & future-proof technology & processes**

# ARIS 10.0 SR20 (October 2022)

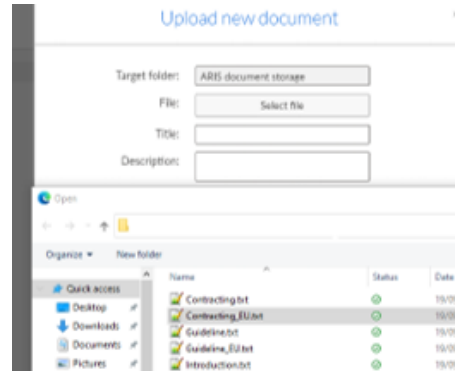
The new release brings many new features & enhancements in various areas of the ARIS suite



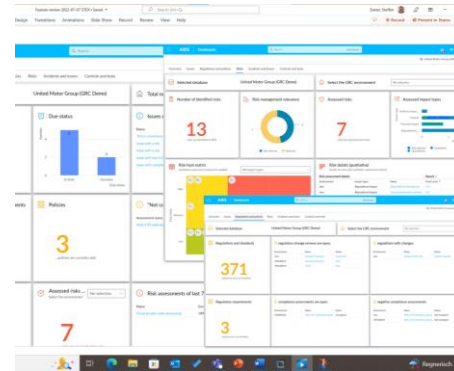
Process mining-enriched process models



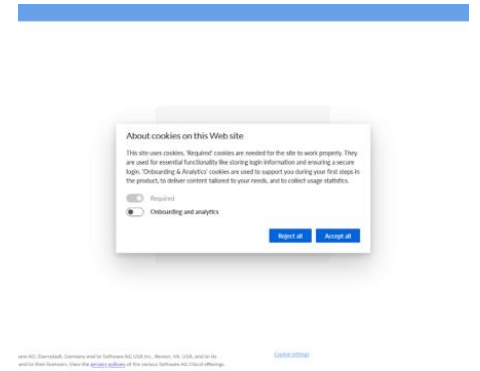
Trigger R&C issues directly out of Process Mining



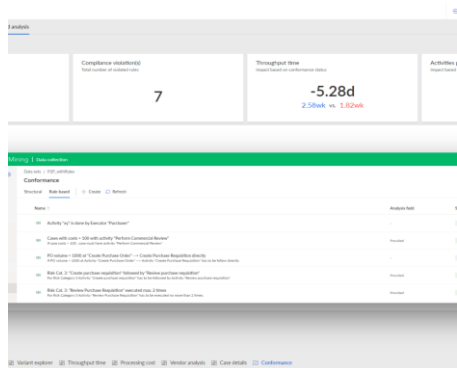
Improved document handling



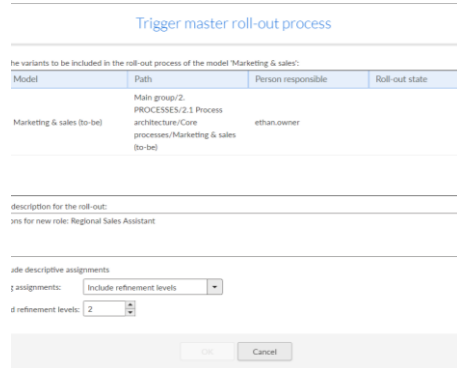
Improved user experience for Risk & Compliance



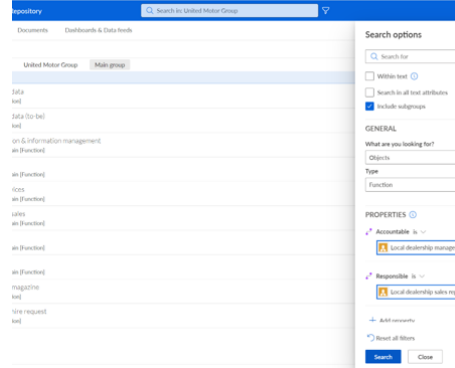
Technology & platform improvements



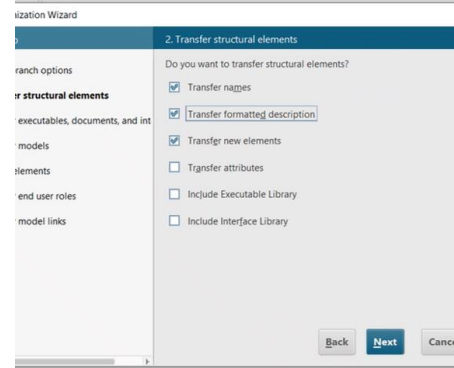
Process compliance: Conformance & rule-checks



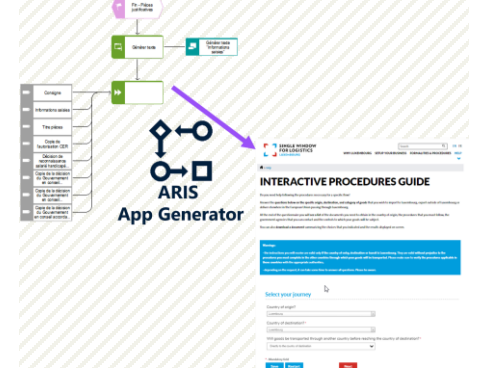
Extended variant management that includes FADs and subprocesses



Enhanced repository search



Improved ARIS for SAP functionality



Build your own apps (partner-based product)

# Process Mining & Analysis

Overview of new release features

## Process mining-enriched process models

Show you KPIs from Process Mining beside your BPMN Model

## Process compliance: Conformance & rule-checks

Use user-defined rules and model-based conformance

## Insight-to-Action triggers issues in ARIS Risk and Compliance

Trigger issues directly out of Process Mining

Process Mining  
& Analysis

## Code editor to script KPI and dimension fields

Use the integrated code editor to define your own calculations

## Fact tables in data modeling to support one-to-many relations

Define more advanced data models

## Ad-hoc field calculation incl. support for variables and parameters

Short description of the feature

## Data export from analysis UI

Short description of the feature

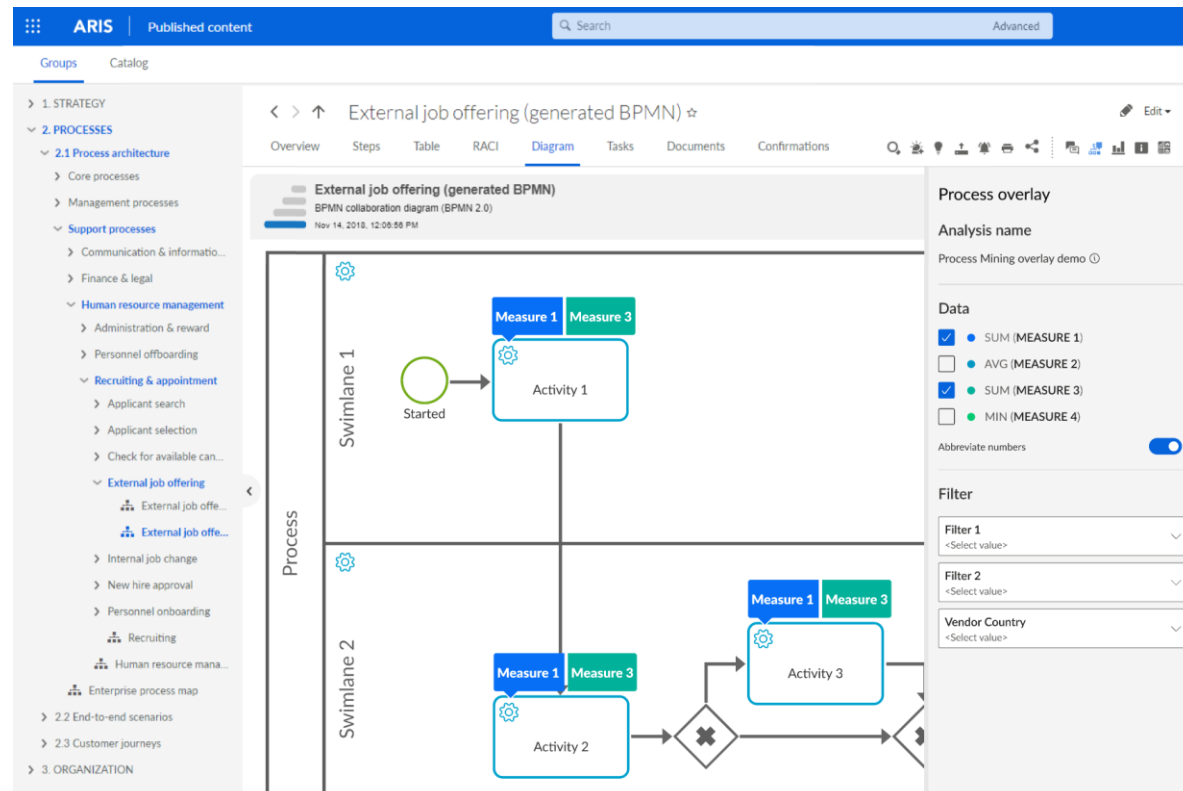
## New charts for ARIS dashboards

We introduced some new standard chart types into our integrated ARIS dashboards



# Process Mining & Analysis

Show your KPIs from Process Mining beside your BPMN Model



## Target group

Process owners, business analysts

## Value

Bring models and mining KPIs together

## Process Mining-enriched process models

Published process models currently tend to be static and are not augmented with process performance indicators, thus process models cannot be analyzed from a data perspective

- Process models can now be enriched by process mining data
- By applying ad-hoc filters, e. g., on a specific country or time range, the performance of process models can be flexibly displayed and analyzed
- In addition, process models can also be easily embedded into process mining analyses

# Process Mining & Analysis

Use user-defined rules and model-based conformance

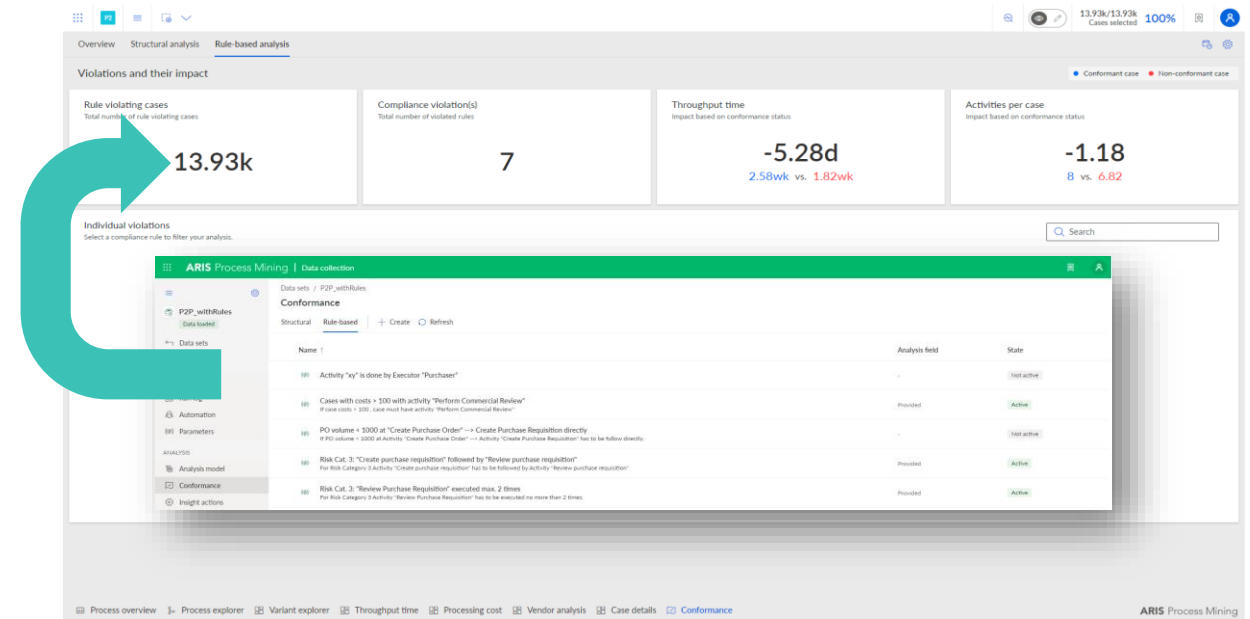
## Process compliance: Conformance & rule-checks

The analysis of process compliance based on structural conformance checks already provides valuable insights. However, it falls short when it comes to checking business rules in addition to structural conformance.

With the introduction of rule checks, process compliance can now be

- verified based on both structural and
- rule-based analyses, e. g., for orders above a certain threshold, a specific process path must be followed with an additional approval step.

This raises conformance checks to the next level of sophisticated process compliance analysis.



**Target group**  
Process owners, business analysts,  
compliance analysts, auditors

**Value**  
Create and check rules

# Process Mining & Analysis

Trigger issues directly out of Process Mining

The screenshot displays the ARIS Process Mining interface. The main window shows a configuration for an insight trigger named 'Is no contract check performed'. The configuration includes a 'Hook configuration' section with 'Condition' and 'Insight ID' defined. A 'Configure insight trigger' dialog is open, showing the 'Target system' as 'webMethods.io - Workflow' and 'Generic webhooks/end point' as 'ARIS Risk and Compliance'. A teal arrow points from the 'ARIS Risk and Compliance' application window to the 'Configure insight trigger' dialog. The application window shows a table with columns for 'Environment', 'Status', 'Task description', 'Last editor', and 'Due date'. The table is currently empty, with a message 'No entries found'.

## Target group

Business analyst, GRC managers

## Value

Get your issues automatically from Process Mining insights

## Insight-to-Action triggers issues in ARIS Risk and Compliance

Insight-to-Action allows actions to be triggered automatically when ARIS Process Mining detects certain process conditions; this should be extended so that incidents can also be created directly in ARIS Risk and Compliance.

- Insight-to-Action is enhanced with support for ARIS Risk and Compliance as a new target system.
- This enables the automatic creation of compliance incidents in ARIS Risk and Compliance as soon as a specific process condition is detected, e. g., a violation of process compliance.

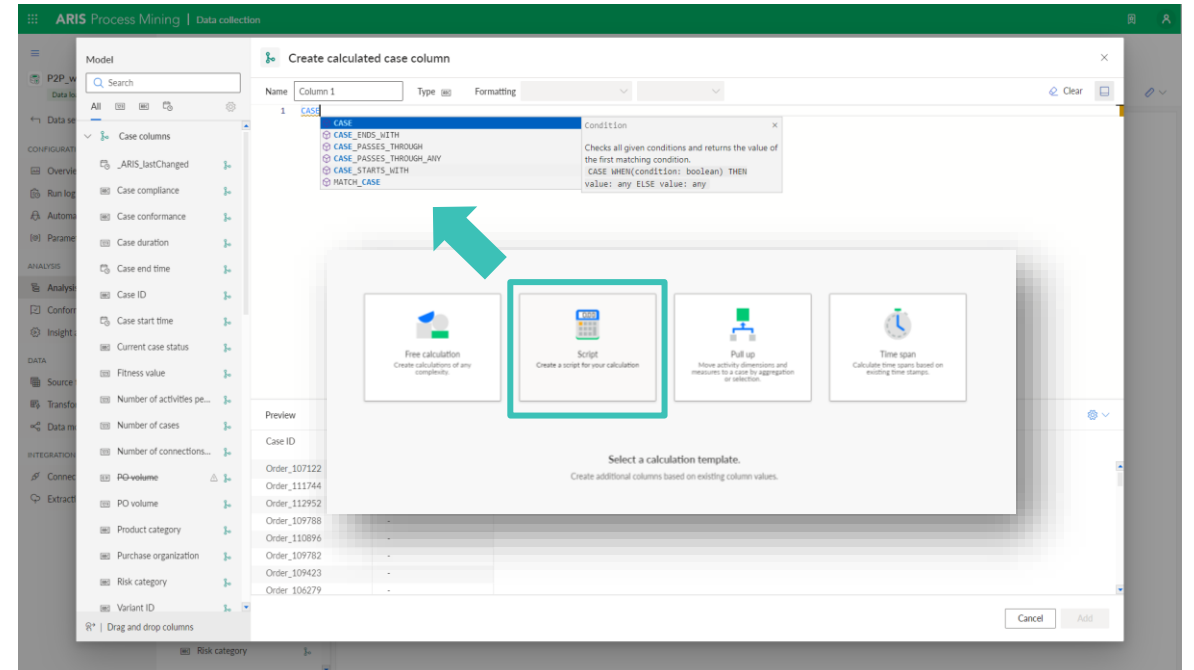
# Process Mining & Analysis

Use the integrated code editor to define your own calculations

## Code editor to script KPI and dimension fields

Defining new calculated columns via the graphical editor is an easy way for beginners, but experienced users would like a script-like way to define new value calculations.

- The new script option in the analysis model allows the definition of new calculated columns in a script editor
- The user is supported in scripting by highlighting and suggestions



**Target group**

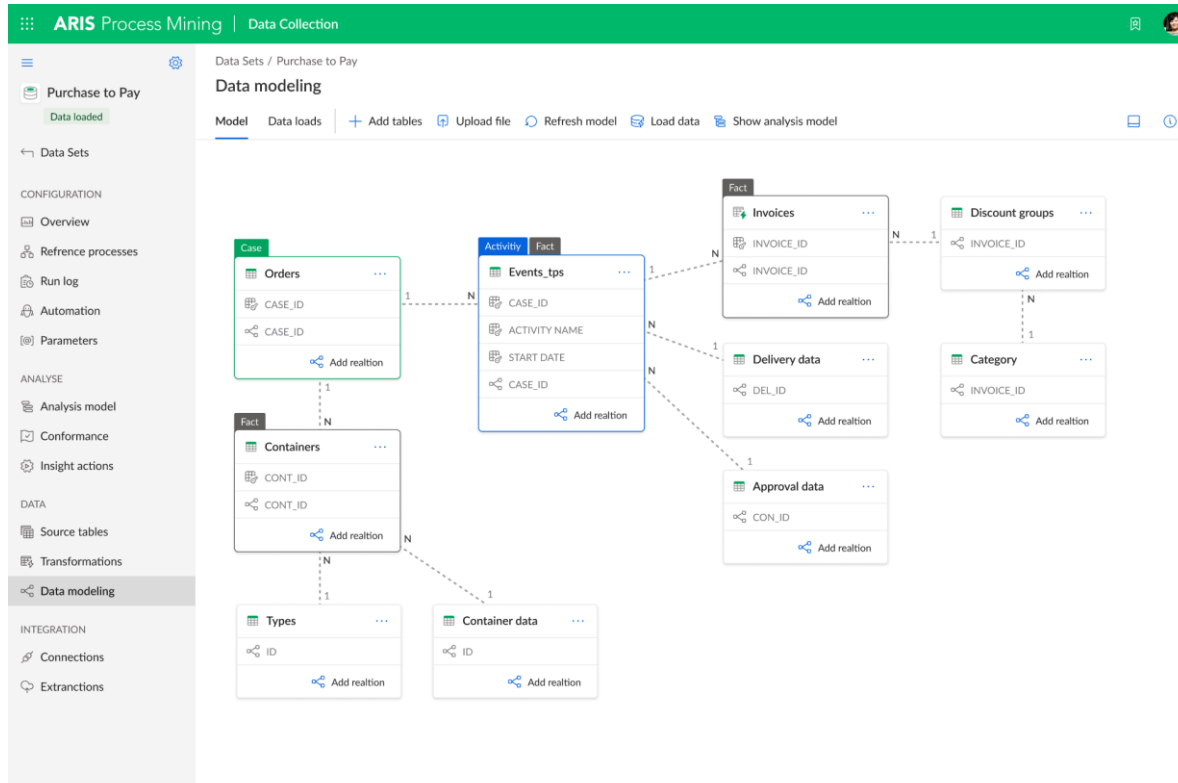
Business analysts, engineers

**Value**

Familiarity, ease of scripting

# Process Mining & Analysis

Define more advanced data models in the Data modeling section



## Fact tables supporting one-to-many relations

Currently, one-to-many relationships are only supported between a case and its activities, which limits the scope for analysis. E. g. an invoice can belong to many purchase orders, i. e. cases

- By introducing Fact tables into the data model, one-to-many relationships can now be expressed in a wider scope.
- This enables to aggregate attributes over unique objects only, e. g., the total number of invoices of selected purchase orders, where a single invoice is counted only once as a unique object.

**Target group**

Business analysts, engineers

**Value**

Wider scope for data analysis

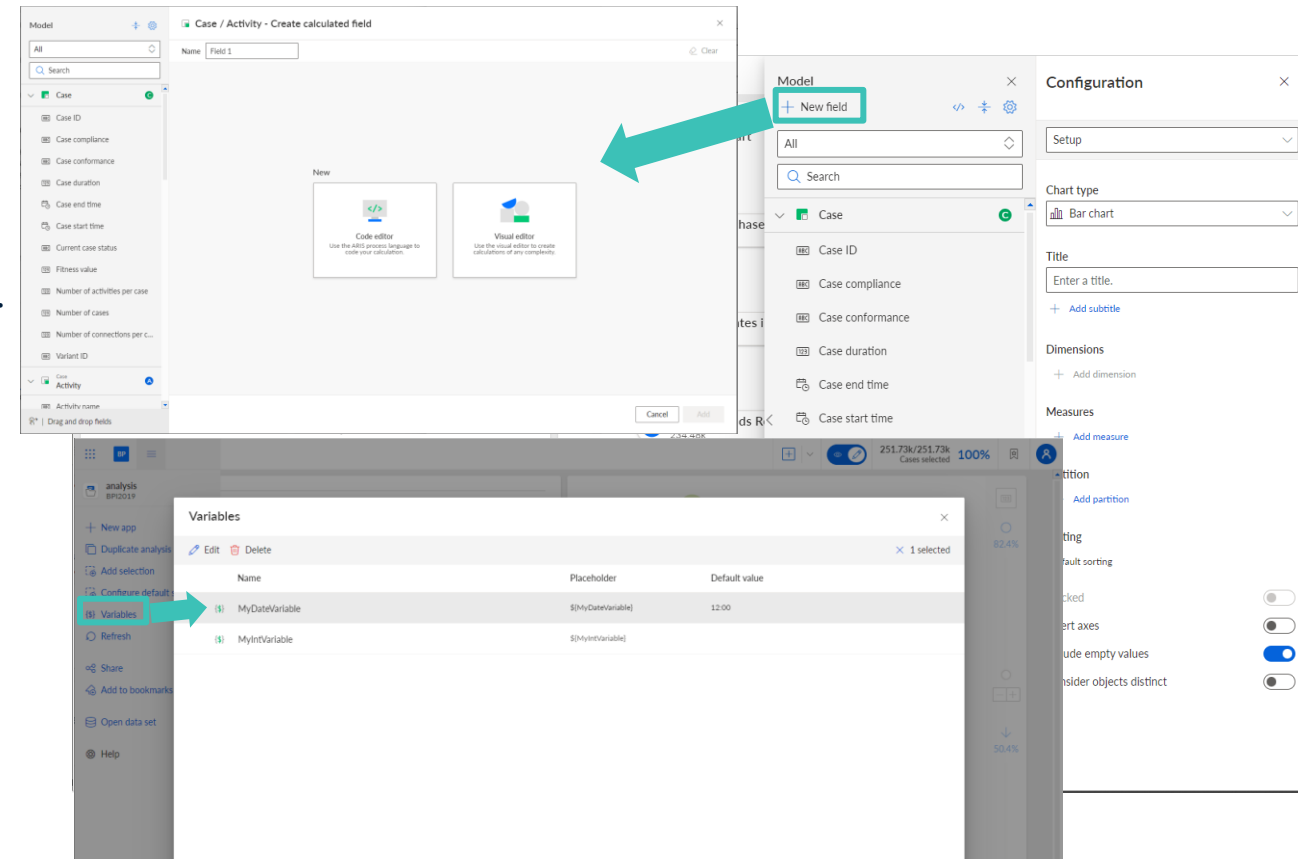
# Process Mining & Analysis

Define your ad-hoc calculations directly from the App builder

## Ad-hoc field calculation incl. support for variables and parameters

As of now you need to switch to the dataset to define new calculated columns for the data that had been loaded already. With the new release you can:

- directly define calculated columns in the App builder
- compute those KPIs without reloading them and use them directly; and
- define variables that can be used throughout your dashboard



### Target group

Business analysts, engineers, process owners

### Value

Flexibility to drill down the analysis

# Process Mining & Analysis

Download the data that is visualized in your Process Mining dashboards

The screenshot shows a process mining dashboard with a bar chart on the left and a process flow on the right. An 'Export data' dialog box is open in the center, allowing the user to select a format (MS Excel or CSV) and click 'Export'. Below the dialog, an Excel spreadsheet is visible, showing a list of activities and their counts.

Activity name	Count
Block Purchase Order Item	514
Cancel Goods Receipt	3035
Cancel Invoice Receipt	7092
Cancel Subsequent Invoice	451
Change Approval for Purchase Ord	7537
Change Currency	35
Change Delivery Indicator	3273
Change Final Invoice Indicator	11
Change Price	12400
Change Quantity	21270
Change Rejection Indicator	2
Change Storage Location	414
Change payment term	7
Clear Invoice	193809

## Data export from analysis UI

In process mining you can create your own dashboard and use not only predefined calculations, but also KPIs that are based on your own calculations. Those KPIs can then be visualized using, e. g., the integrated App builder.

You can now save the results of the various dashboard charts and use them in other visualization or dashboarding tools.

## Target group

Business analysts, process owners

## Value

Ability to share the analysis data

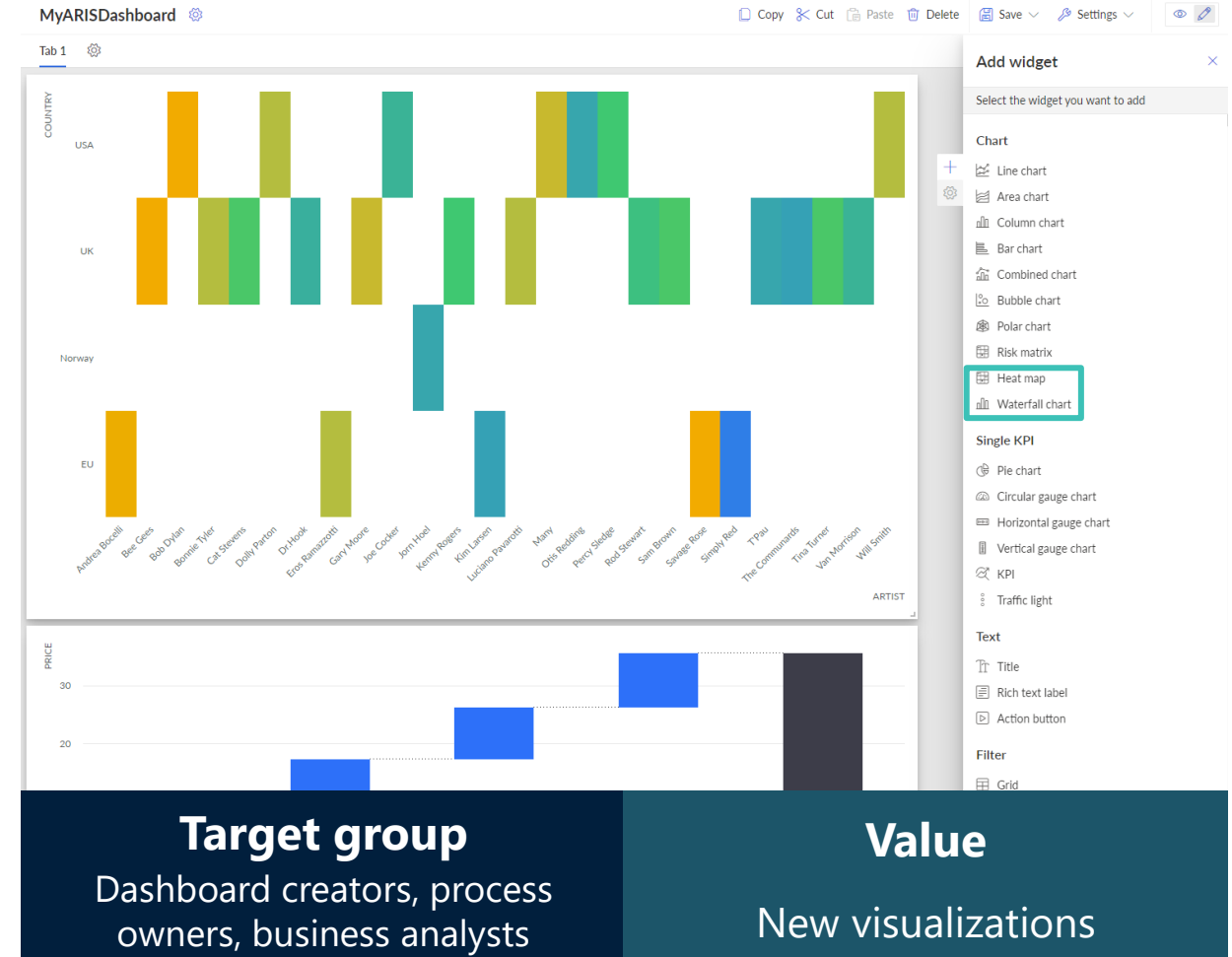
# Process Mining & Analysis

We introduced a lot of new charts for your Process Mining dashboards

## New charts for ARIS dashboards

We introduce some new widgets for the ARIS dashboards.

The new Waterfall chart widget shows a running total as values are added or subtracted. It's useful for understanding how an initial value (for example net income) is affected by a series of positive and negative values.





# Business Design & Strategy | Rollout & Change Management

Overview of new release features

**See object occurrences in ARIS Web Repository**

**Improved document handling**

**Enable rollout of variants including (BPMN) subprocesses and Function Allocation Diagrams**

**Enhanced repository search**

**Find stakeholder documents in new portal enterprise search**

**Business Design  
& Strategy**

**Enhanced user management UI  
(Basic/Advanced)**

**Standalone Web Admin**

**Various improvements**

# Business Design & Strategy

## Various improvements

### Prevent files from being overwritten

Changed script config files or changed standard scripts are no longer overwritten during ARIS updates.

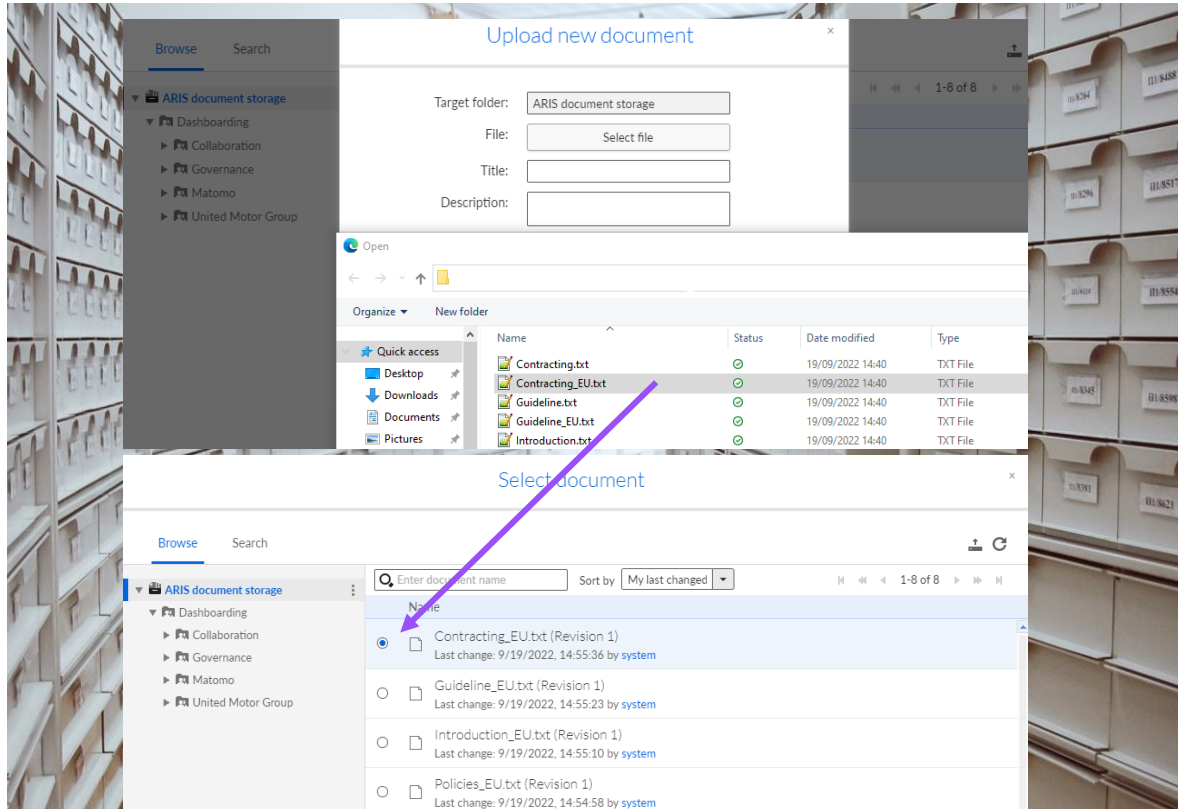
### Improved Report API for documents

Get revision information for a document and folder permissions using the ARIS Report API.



# Business Design & Strategy

## Improved document handling



### Target group

Business analysts, designers

### Value

Less maintenance efforts

## Easily upload new documents as a designer

As your document storage grows, it might become challenging to maintain and reuse your documents. Thus, we improved the document management capabilities and provide you with the right tools to keep your repository well organized.

When adding new documents in the design process, designers had to upload the document, search for it, and link it correctly. In the past, this led to designers uploading multiple duplicates since they forgot what directory they uploaded it to.

Our new workflow now automatically preselects the uploaded file no matter what directory it was uploaded to. As a designer, you only need to confirm the preselection to successfully attach it.

# Business Design & Strategy

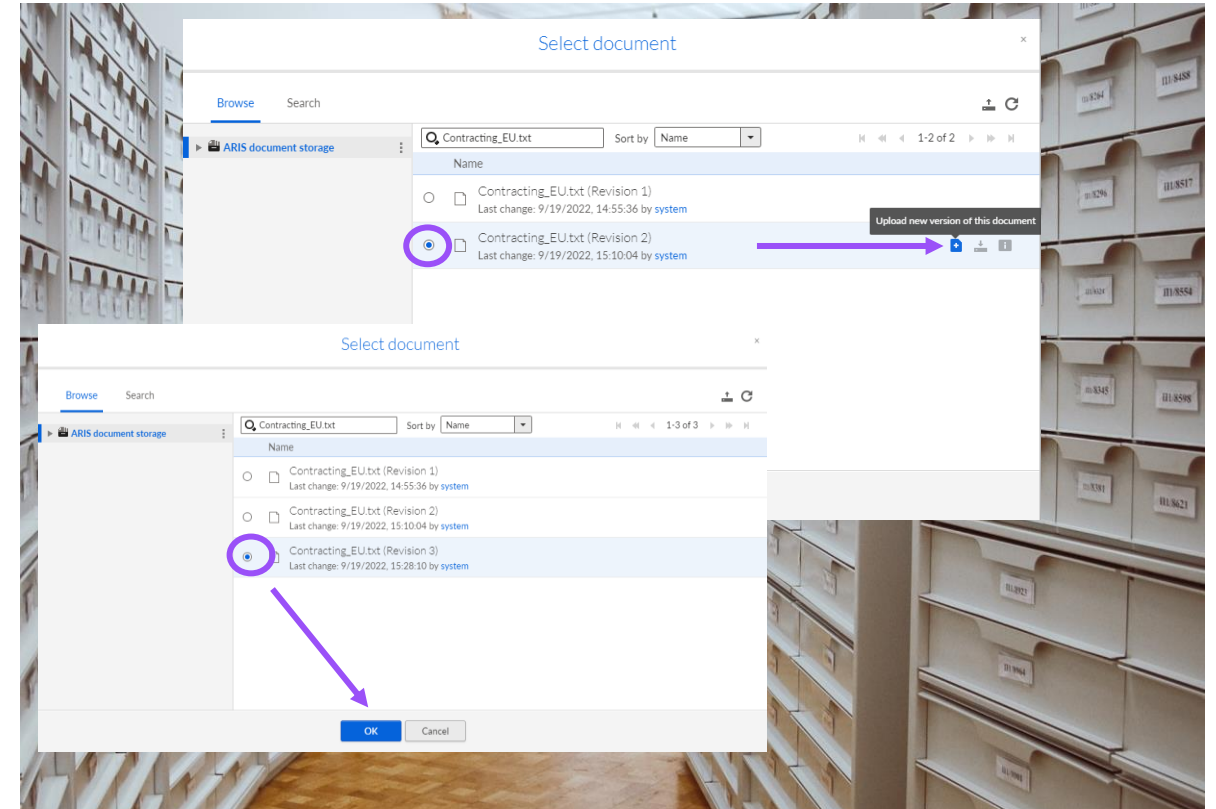
## Improved document handling

### Easily update document revisions as a designer

The ARIS document storage (ADS) already offers you different revisions of a document, allowing you to keep track of the changes.

When updating a document to the latest revision while designing, designers had to search for the linked file, update its revision and finally select the correct revision. These manual steps are error-prone and lead to duplicates being uploaded, and revision links not being maintained properly.

The improved workflow automatically pre-selects the current revision for you in your ADS and allows you to update the revision in-place.



### Target group

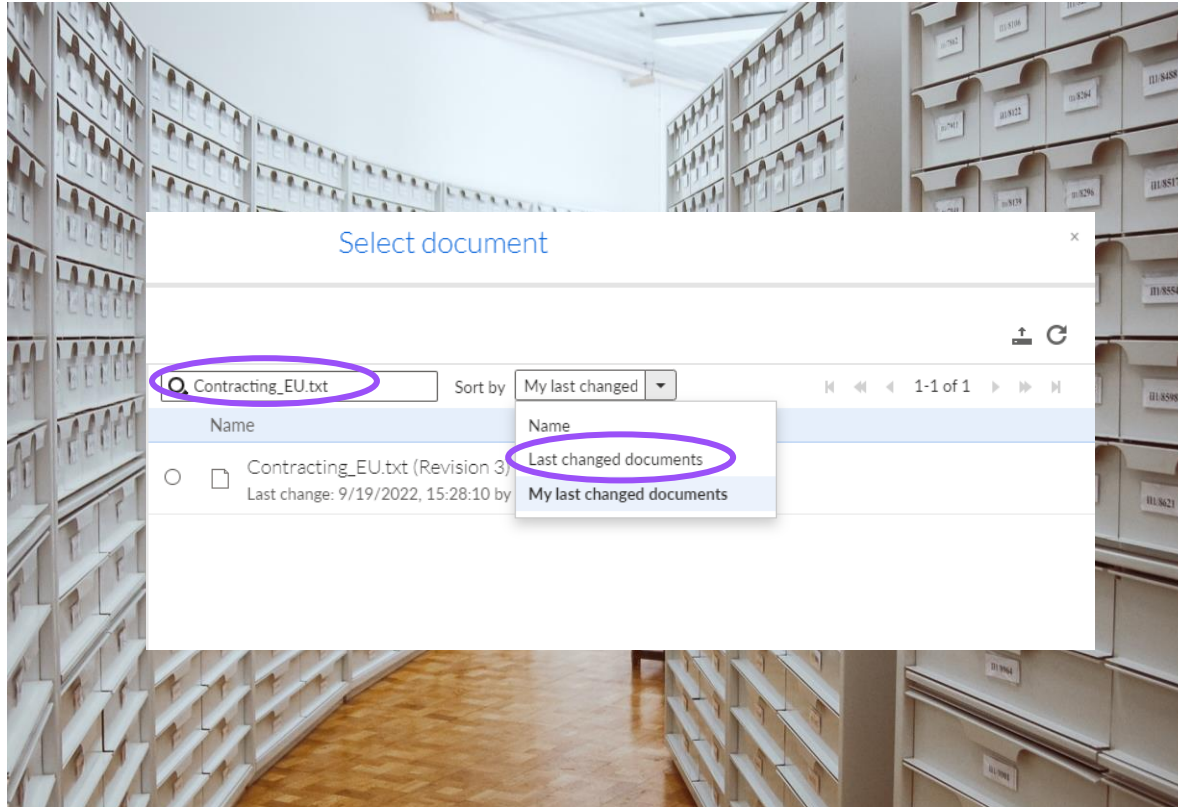
Business analysts & designers

### Value

Easier updates & less duplicates

# Business Design & Strategy

Improved document handling



## Target group

Business analysts, designers

## Value

Better access & organization

## Search and filter for documents

ARIS provides further search and filter capabilities that help you to find the relevant documents. While linking to new revisions, you can now search for documents and filter according to the last modified date. You can even filter only the documents that you've changed. This makes it easier for you to link to new revisions that you've updated earlier or days ago.

We provide you with the same search and filter capabilities in the ADS repository as well. This will help you to maintain a well-organized repository and save time.

# Business Design & Strategy

## Enhanced repository search

### Find related information

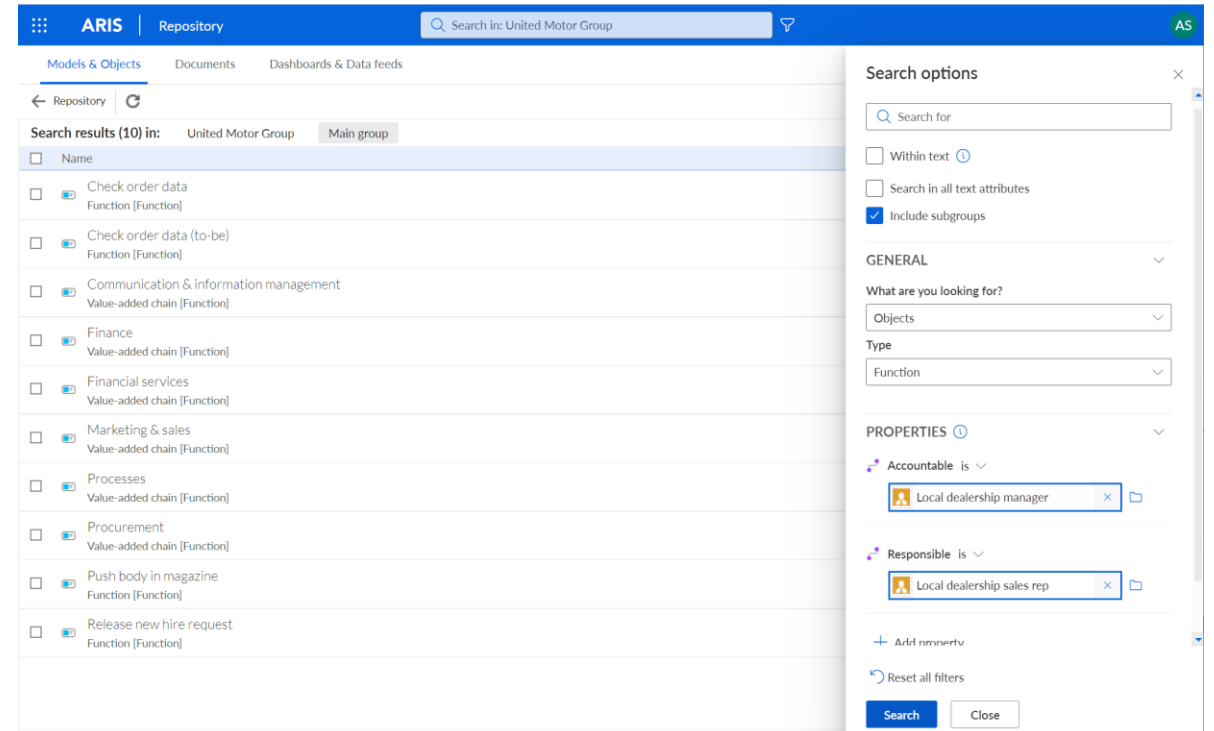
Designers and business analysts often need to find specific contents of the database that fulfill specific conditions. Finding this content without much effort in order to trigger actions at a given point in time is crucial.

While the use of a wildcard search can be a great starting point, often various filtering options are key to finding the right contents. Therefore, we enhanced the repository search by allowing filters for relation properties. These can quickly narrow down the result list.

Enhanced repository search is made available for:

ARIS Basic/Advanced/Enterprise – Designers

ARIS Advanced/Enterprise – Admins



### Target group

Business analysts, designers,  
functional or database admins

### Value

Find contextual information

# Business Design & Strategy

See object occurrences in ARIS Web Repository

The screenshot displays the ARIS Web Repository interface. At the top, there is a search bar with 'sales' entered. Below the search bar, there are tabs for 'Models & Objects', 'Documents', and 'Dashboards & Data feeds'. The main area shows search results for 'Sales' (35 items) under the 'United Motor Group' main group. A table lists search results with columns for Name, Changed, and Occurrences. The 'Occurrences' column is highlighted with a purple circle. Below the search results, there is a diagram titled 'Executive board (US -)' showing an organizational chart with nodes for 'CIO UMG', 'CFO UMG', 'Head of sales', and 'CHRO'. A purple arrow points from the 'Occurrences' tab in the details panel to the 'Executive board' node in the diagram.

## See object occurrences in ARIS Web Repository

When designing your business, it is crucial to reuse agreed terms and objects. Thus, the new occurrence tab in the details view of your Web Repository enables you to investigate the different contexts in which an object is used.

You can now obtain an overview list of occurrences in the Web Repository by selecting an object. This enables you to quickly estimate how widely an object is reused and which models will be affected by a change to the object's definition.

Moreover, clicking on an item will open the model. The occurrence will be highlighted (selected), enabling you to quickly assess the context.

Object occurrences in ARIS Repository are made available for:  
ARIS Basic/Advanced/Enterprise – Designers  
ARIS Advanced/Enterprise – Admins

### Target group

Business analysts, designers,  
functional or database admins

### Value

Transparency of dependencies

# Business Design & Strategy

## Variant management

### Variant management: Enable rollout of variants for Function Allocation Diagrams and BPMN subprocesses

Processes are often described using Function Allocation Diagrams to collect additional information. Furthermore, functions and process steps can be described via subprocesses at a more detailed level. But all these different diagrams belong together.

The creation of variants as well as the rollout of changes in the master model into selected variants can now be triggered with one single action, including all assigned diagrams.

Customers can select if they want to include descriptive assignments (like Function Allocation Diagrams) and/or models describing objects on a more detailed level (e. g., used to document the process hierarchy).

For the variant owner, all relevant models will become part of their workbench to finish the rollout.

### Trigger master roll-out process

Select the variants to be included in the roll-out process of the model 'Marketing & sales':

<input type="checkbox"/>	Model	Path	Person responsible	Roll-out state
<input type="checkbox"/>	Marketing & sales (to-be)	Main group/2. PROCESSES/2.1 Process architecture/Core processes/Marketing & sales (to-be)	ethan.owner	

Enter a description for the roll-out:

Adaptions for new role: Regional Sales Assistant

Include descriptive assignments

Refining assignments:

Included refinement levels:

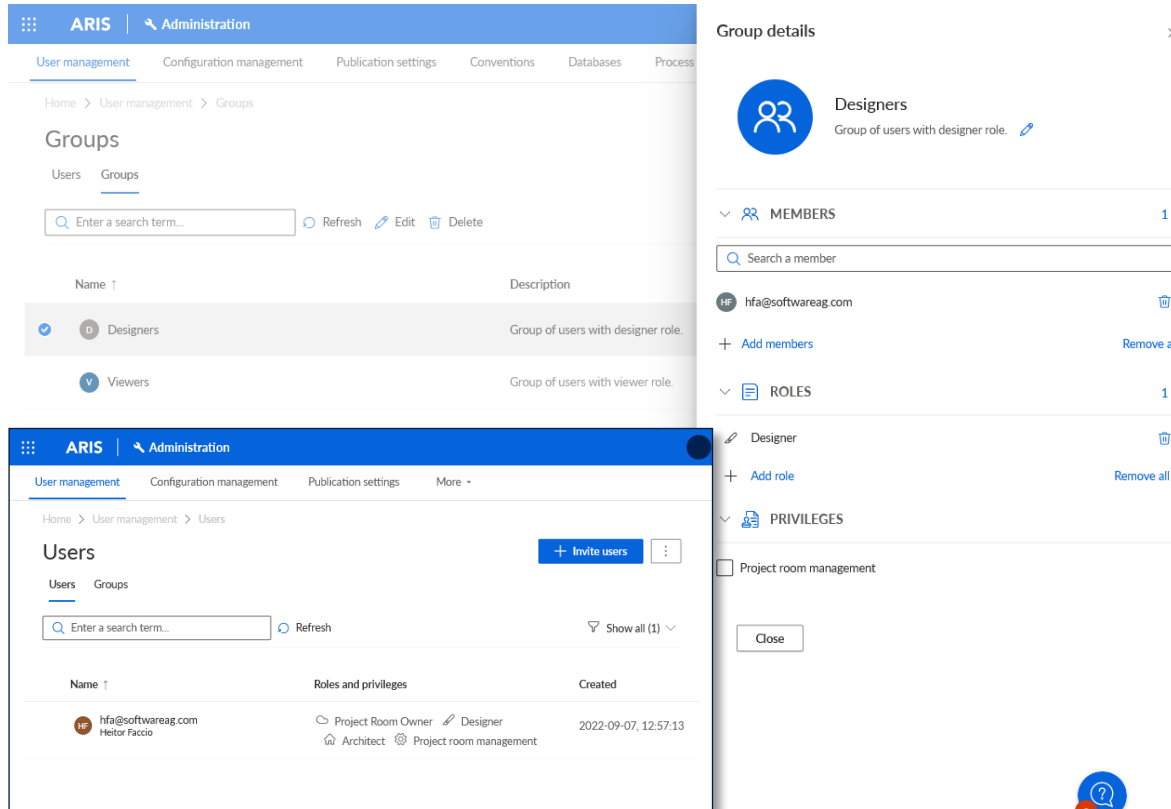
OK Cancel

- **Target group**  
Business analysts, designers, modelers
- **Value**  
Improved global rollout support



# Business Design & Strategy

## Enhanced user management UI (Basic/Advanced)



**Target group**  
User administrators

**Value**  
Easy and scalable assignment  
of roles and privileges

### Assign roles and privileges via user groups with the new UI

Managing users, roles, and privileges must be as easy as possible—so your focus stays where it matters the most.

With the new UI for user management in ARIS Basic and Advanced, you have a better overview of users, enabling easy filtering and bulk operations.

With ARIS Advanced, now you also have the possibility to assign roles and privileges via user groups, making user administration tasks quicker and easier to manage as the number of users grows with the expansion of your project.

Enhanced user management UI is made available for:

ARIS Basic/Advanced – Designers & ARIS Advanced – Admins

Roles and privileges assignment via user groups is made available for:

ARIS Advanced – Designers/Admins

# Rollout & Change Management

Find stakeholder documents in new portal enterprise search

Available for customers in **pilot phase** of new **portal search**

## Find out where loosely coupled documents are used

Why is this important? Sometimes, additional supporting documents are uploaded to ARIS Document Storage (ADS) as so-called “stakeholder documents” and have no representation as objects and therefore have no link to an ARIS object.

Instead, they are loosely coupled to the diagrams in ARIS. They have their own document lifecycle, completely independent of the diagram’s approval, and therefore live in ADS (where you can see the relationships to models in the ARIS Repository).

What’s the benefit of using this new search? You will now be able to find diagrams in your result list that relate to these documents and see the result in context, but only if they were approved for viewing.

Finding stakeholder documents is made available as part of the pilot for:  
ARIS Enterprise – Viewers

The screenshot shows the ARIS search interface. At the top, there's a search bar with 'Brazil' entered. Below it, the search results are displayed, showing 3 hits for 'Brazil'. The results include:

- Audit execution Brazil • Task**: Main group > ... > QM audits > Audit plan ISO 27001
- Audit plan ISO 27001 • Default**: Main group > ... > QM audits > Audit plan ISO 27001. Overview: Audit execution Brazil. Model content: Audit execution Brazil.
- Sales order processing (as-is) • Process**: Main group > ... > Sales order management > Sales order processing. Document (1): Dokument A - Brazil.docx

On the right side, the details for 'Sales order processing (as-is)' are shown, including a diagram and model status (Released, Last change: Jan 15, 2019).

## Target group

Consumers (any employee)

## Value

Find contextual information

# Business Design & Strategy

## Standalone ARIS Enterprise – Web Admin



### Target group

Business analysts, functional or database admins

### Value

Less/no tool breaks

### New standalone ARIS Enterprise – Web Admin

Our first version of a standalone ARIS Enterprise – Web Admin is here!

Why? Because many of you want to use our web-based ARIS clients only, without the need to run on JAVA anymore.

What can you do with it? At this stage it includes all ARIS Enterprise Viewer and Designer capabilities and of course you can set up and manage ARIS with the essential administrative actions such as database & user access management, ARIS method and content type configuration, filters and templates, fonts and language management, report scheduling, macro and semantic check management.

This is made available standalone as ARIS Enterprise – Web Admin and has been part of the bundle ARIS Enterprise – Admin since SR 14.

# Business Automation & Connectivity

## Overview of new release features

### Improved formatting for synchronization between ARIS and SAP® Solution Manager

Where possible, formatting is kept in synchronization.

### Improved synchronization wizard

Improved order for selecting projects for synchronization

### Enable API for SSO to allow easy access to and from SAP® EnableNow

Whitelisted users to access the ARIS API using basic authentication

## Business Automation & Connectivity

### SAP® Solution Manager conformant definition copy using modeling support wizard

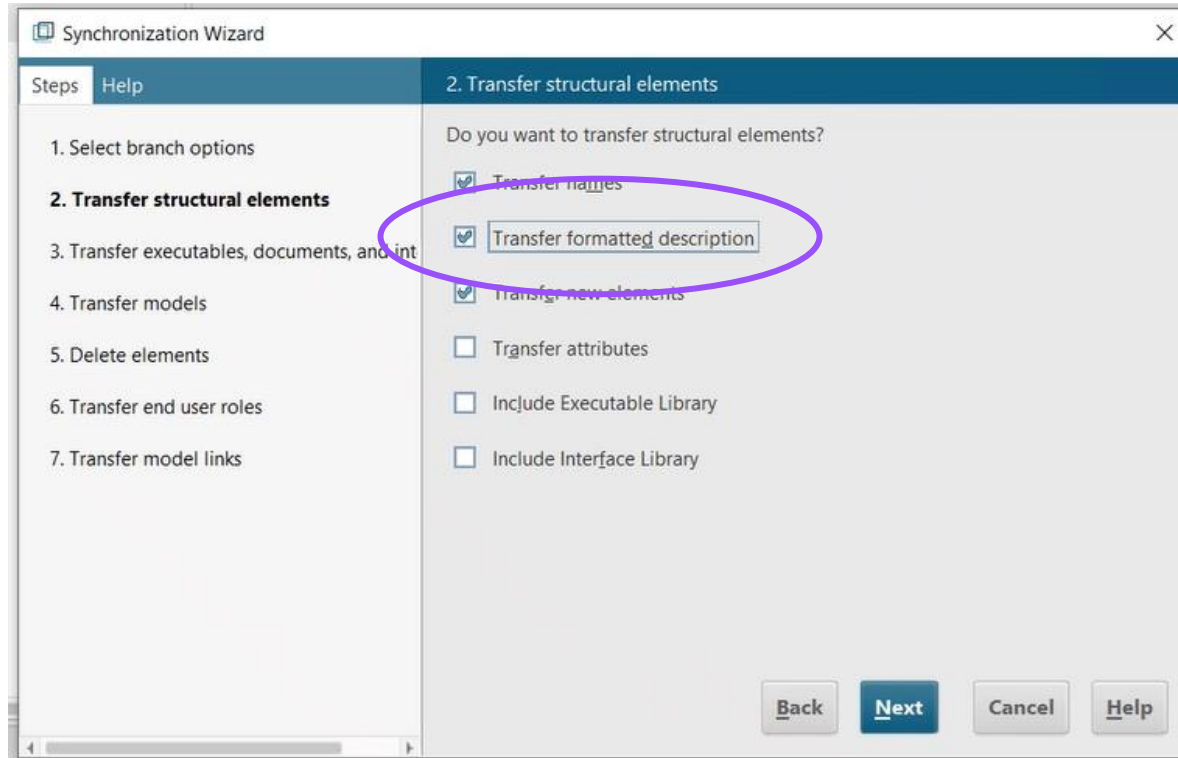
Unique identifying attributes excluded

### ARIS App Generator

Build your own Apps in-product using the ARIS App Generator

# Business Automation & Connectivity

Improved readability and structuring



## Improved formatting for synchronization between ARIS and SAP® Solution Manager

It is possible to format attributes in ARIS and in SAP Solution Manager.

With the new release, this formatting is retained unchanged, if possible, e. g.:

bold, italic, numbering, bullets, paragraph, indent, line break, underline.

Depending on character size in ARIS, text is mapped to Heading 1 – Heading 3, or standard text.

### Target group

SAP Implementation team,  
designer

### Value

Better user acceptance

# Business Automation & Connectivity

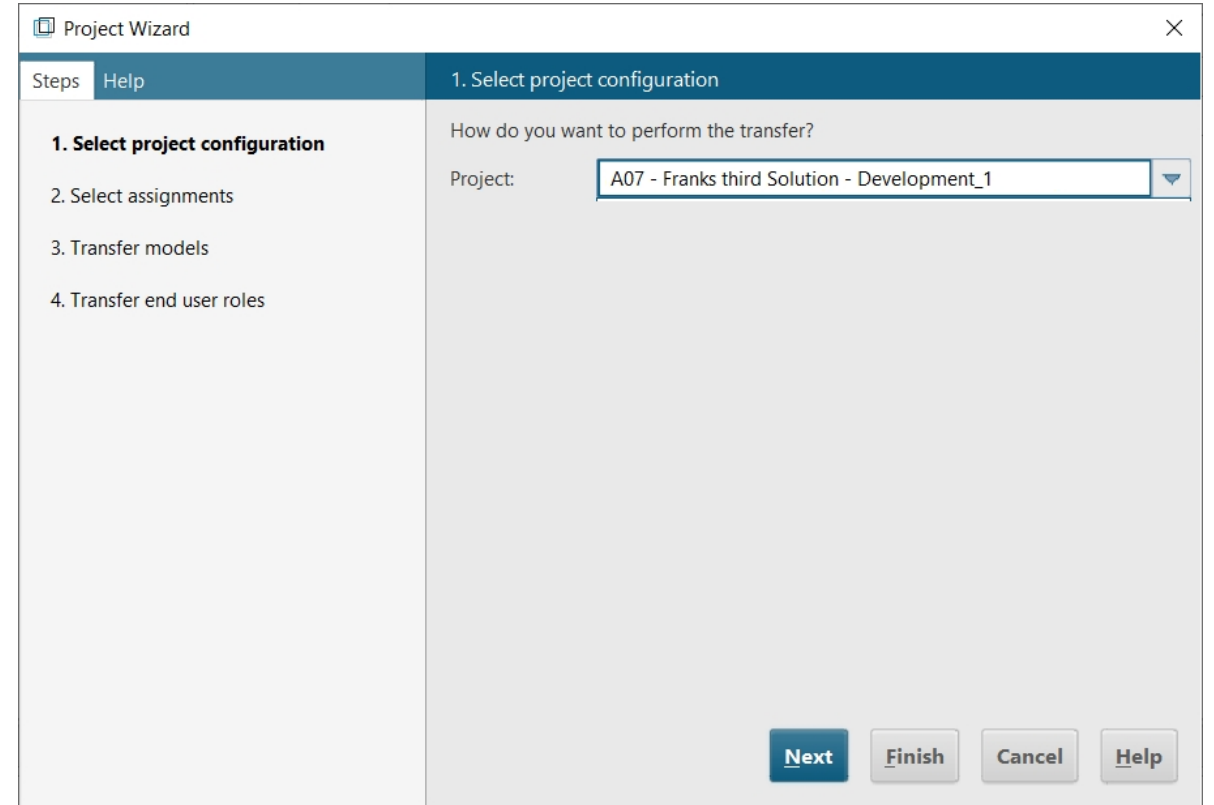
Less risk to select wrong project

## Improved UI for synchronization wizard

The wizard to select the project to be synchronized with SAP® Solution Manager now shows the selected project configuration in an improved way:

The differentiating part is now shown at the beginning:

<server> - <solution> - <branch>

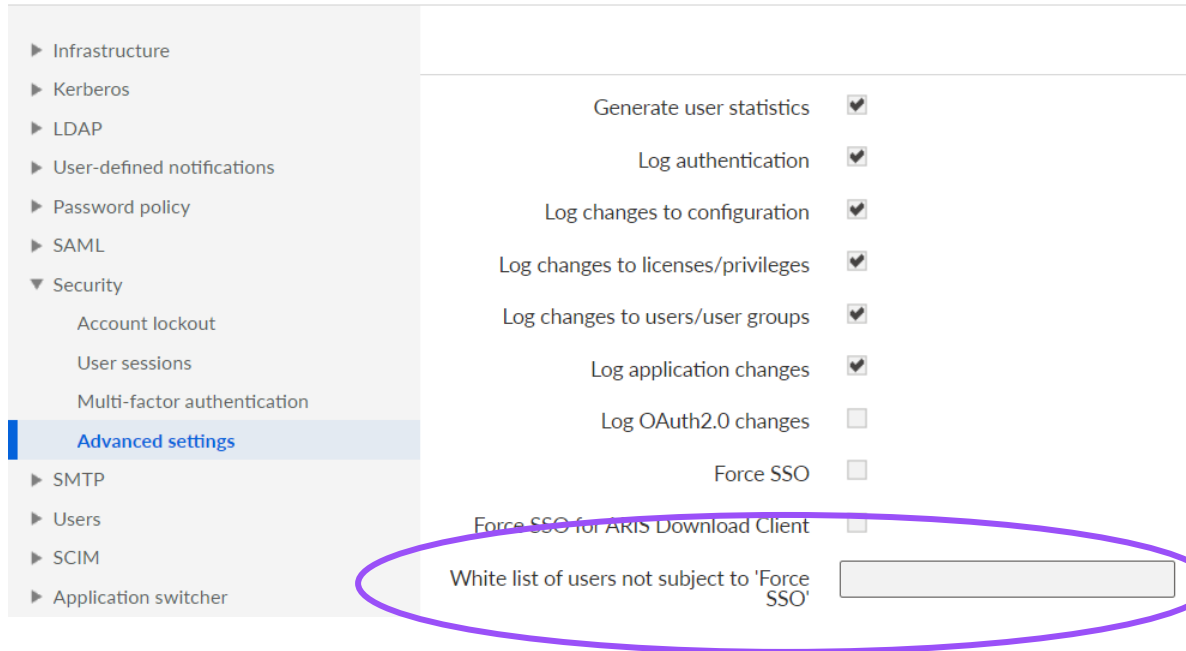


**Target group**  
SAP Implementation lead,  
functional admin

**Value**  
Improved UI, less error prone

# Business Automation & Connectivity

Whitelisted users to access the ARIS API using basic authentication



## Enable API for SSO to allow easy access to and from SAP® EnableNow

User management can now be configured with a whitelist of users not subject to 'Force SSO'.

Only whitelisted users can access the ARIS API using basic authentication.

### Target group

SAP EnableNow users

### Value

Improved UX

# Business Automation & Connectivity

Ease of use: avoid errors

## Copy an SAP® Solution Manager conformant definition with the SAP modeling support wizard

Attributes that must be unique for synchronization with SAP Solution Manager are no longer filled when creating a definition copy.

The screenshot shows a process flow diagram on the left with a table of attributes on the right. The table lists various attributes for a process step, with several fields redacted with pink X marks.

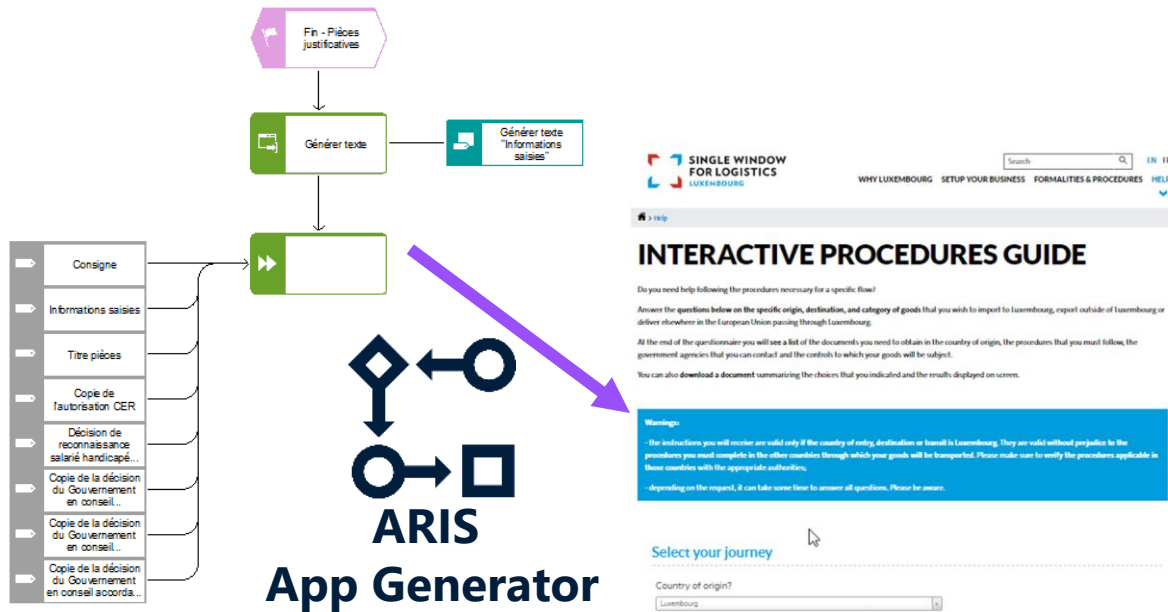
Attributes ▾	
Description/Definition	the new vehicle sales contract and other documents to determine whether the documentation is complete or not.
Type	Function
Time of generation	May 3, 2007, 3:59:35 PM
Creator	w.becker
Last change	Mar 26, 2018, 8:23:53 PM
Last user	system
SAP ID	<del>GzW5K01b...</del>
Avg. processing time	1 Minute(s)
Frequency, daily	30
SAP function type	Process step
Processing time	( 0000:00:01:00 ) Constant
SAP component	SAP_Z_ERP_MYARIS10
SAP area ID	<del>BoxkK...</del>
Synchronization project	<del>SM72-PROJECT_SYNC-051117-057...</del>

<b>Target group</b> SAP-related designer, business analyst	<b>Value</b> Less error prone, improved user journey
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# Business Automation & Connectivity

Build your own Apps in-product using the ARIS App Generator



## ARIS App Generator

Together with our partner Imendos we now enable users to build their own apps out of ARIS BPA itself. We therefore use the integrated modeling capabilities to define all aspects of the formulars which are then deployed on the App Generator server.

- Build your own apps directly in ARIS BPA
- Deploy the apps directly out of ARIS with no need for additional Software.

**Target group**  
Process designers

**Value**  
Design and create own apps out of ARIS models

# Risk & Compliance

Overview of new release features

## Risk assessment: Additional settings Detectability and Trend

Qualitative risk assessments now cover Detectability and Trend, if desired. Extent and Frequency remain mandatory.

## Risk Management: Enhancements in modeling

New attributes: risk-bearing capacity of assets like processes, applications, organizational units  
"Measure" object type added to Business Controls Diagram

Risk &  
Compliance

## Improved user experience

HTML template can be defined for mail notifications for risk and compliance.  
New notifications about "Publish only" policy rollouts.

## Smaller improvements

Adaptions and changes based on customer feedback and lessons learned from projects.

# Risk & Compliance

Risk Management: additional approaches supported

Damage

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Extent <sup>[?]</sup>

Frequency <sup>[?]</sup>

Detectability

Trend

- Please select
- Positive
- Neutral
- Negative

---

## Risk assessment: Additional settings Detectability and Trend

For some risk management approaches, risk assessments should not only cover extent and frequency, but also detectability (e. g., FMEA). Furthermore, evaluating and describing the trend can be useful in determining relevant measures.

In the new release, customers can easily define their own values and generate assessments that cover these additional dimensions.

### Target group

Risk managers, 2<sup>nd</sup> line of defense

### Value

Broader use cases support

# Risk & Compliance

Risk Management: improved transparency and additional analysis possible

## Enhancements in modeling

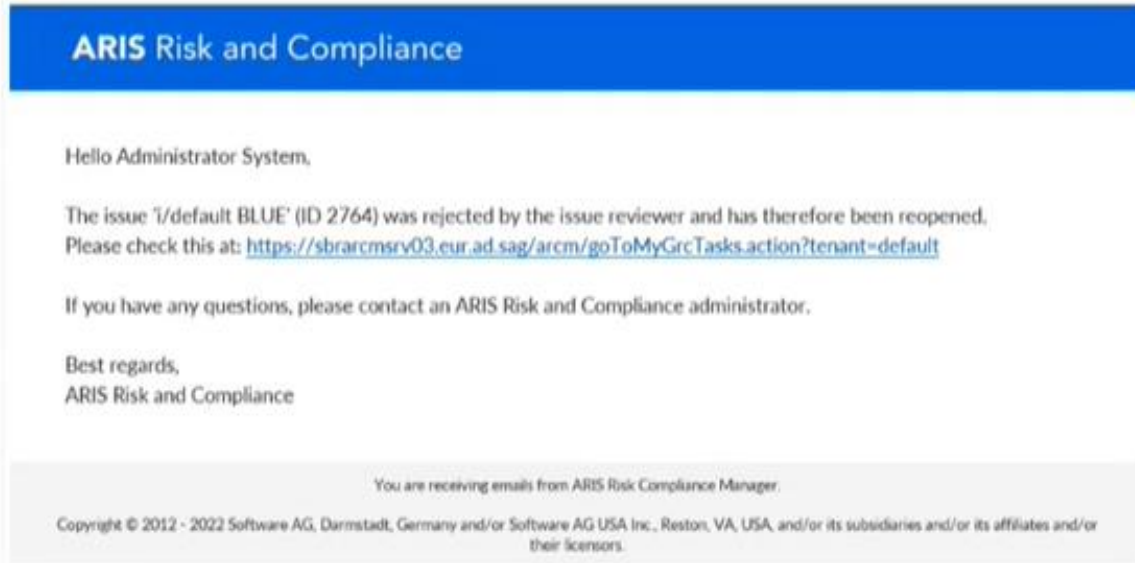
A new object symbol, "Measure", has been added to the ARIS method. This object is of type "Solution" but by its new symbol, it can be identified easily as a specific GRC object. This new object is meant to describe any kind of mitigation against a risk that is not covered by specific object types such as a control or a policy. It is only used for describing purposes.

Sound risk management requires measuring risk exposure against the risk-bearing capacity of assets like processes, applications, organizational units, etc. For this reason, a new attribute group and respective attributes have been added to the ARIS method for those asset objects and other relevant object types like risk category.

Target group	Value
Risk managers, process owners, designers	Extended transparency/ documentation

# Risk & Compliance

Aligned UI – better user acceptance



## Improved user experience

HTML templates can be defined for mail notifications in ARIS Risk and Compliance.

Notifications are available for “Publish only” policy rollouts.

## Target group

End users/1<sup>st</sup> line of defense/LOB

## Value

Improved user experience

# Risk & Compliance

Feedback from customers and lessons learned in projects

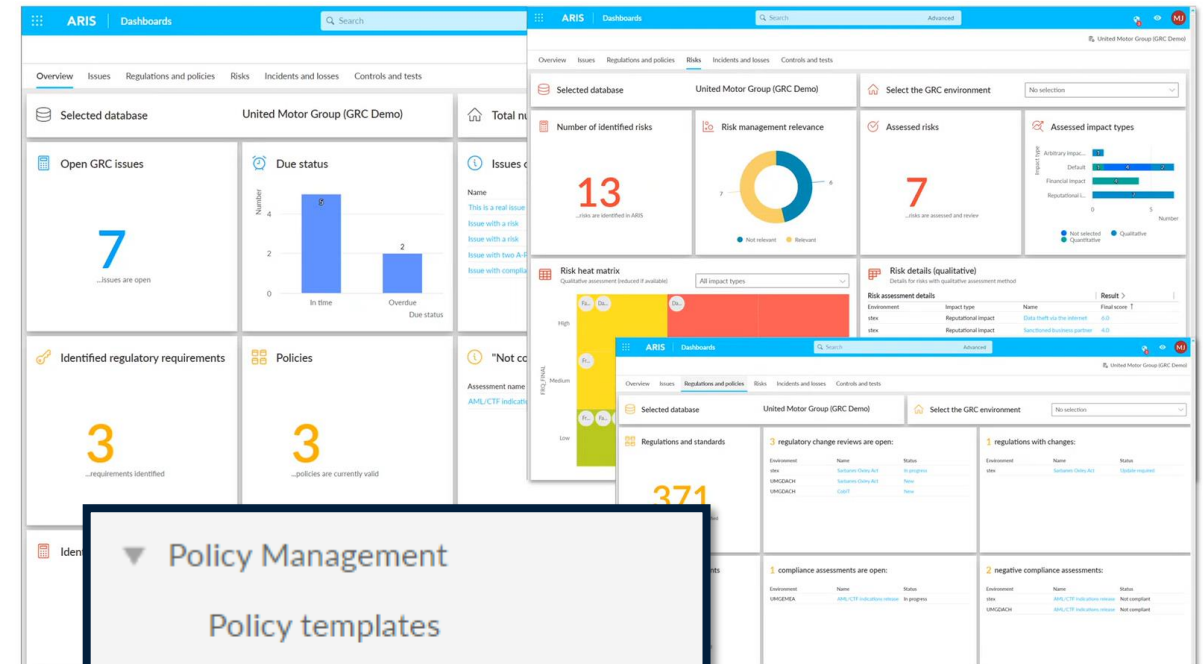
## Smaller improvements

Adaptions in GRC dashboards: individual tabs for each use case are available.

New risk matrix report is available.

Minor changes to policy management (names, attributes, fact sheets, forms, etc.).

Simplified policy management forms (adjustable via configuration settings).



**Target group**

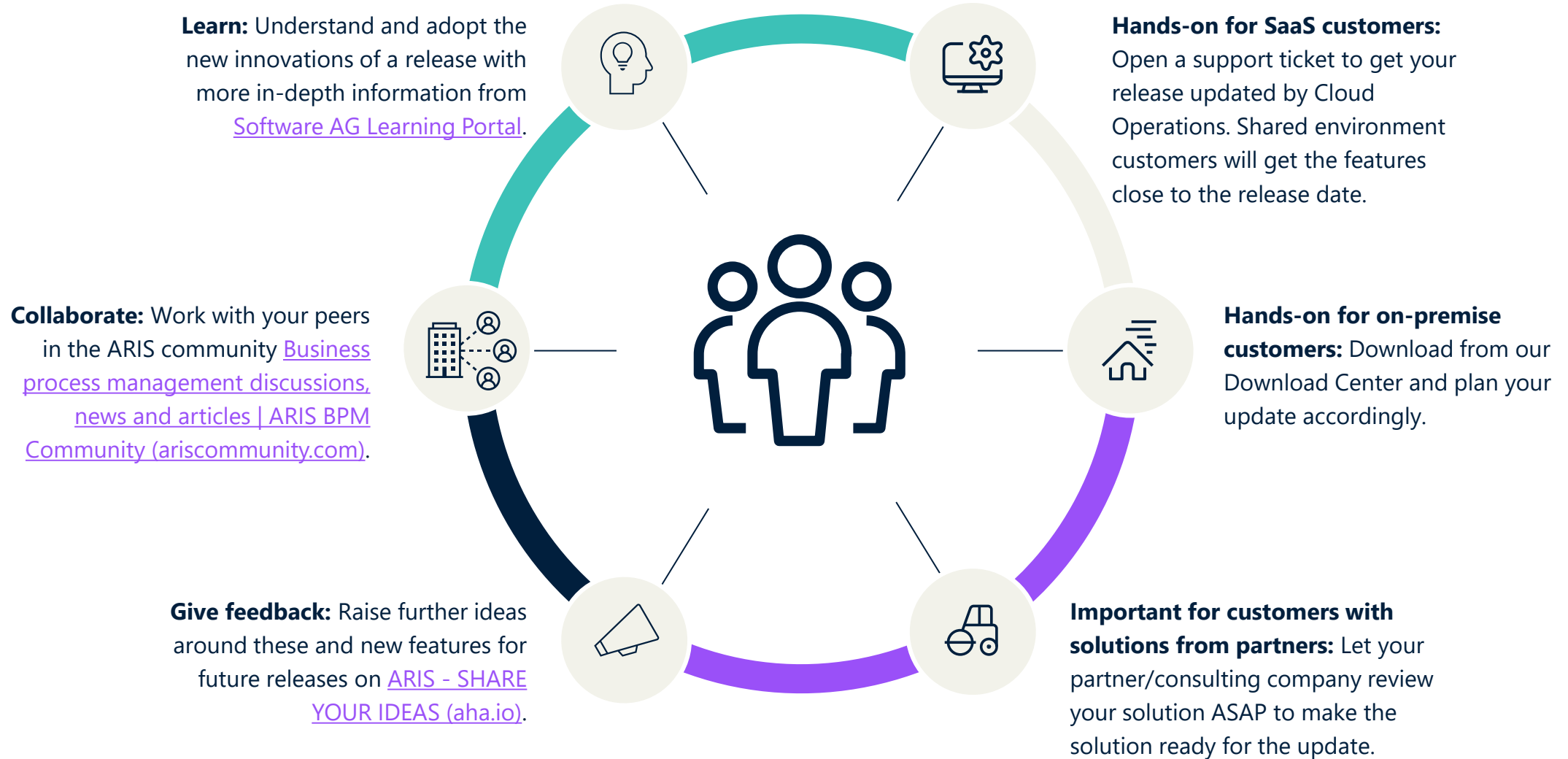
GRC-related user

**Value**

Improved UX, less configuration

# ARIS 10.0 Service Release 20 (October 2022)

Your next steps might be one or more of the following



# ARIS – an ever-expanding ecosystem

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of total benefits\*

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sets on **ARIS** for  
SUCCESS

**> 750,000**

community  
members

**A THIRD** of the **FORBES 100**   
the world's most valuable brands uses  
**ARIS**

~ **1M** process designers in **ARIS**

**20M** process viewers and contributors in **ARIS**



