ARIS 10 SR6
FEATURES OVERVIEW

ARIS Product Marketing
September 2018

ARIS 10 SR6 HIGHLIGHTS

LARGE ENTERPRISE SCENARIOS

END-USER EXPERIENCE

BUSINESS & IT ALIGNMENT

PROCESS MINING

GDPR COMPLIANCE

LARGE ENTERPRISE SCENARIOS

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ARIS SUPPORT FOR LARGE ENTERPRISE SCENARIOS
CONFIGURATION, USER & LICENSE MANAGEMENT

1. The **new ARIS License Monitoring**[1] allows to track actual usage of licenses and to check proper license allocation

2. **SAML Single-Sign-On support with ARIS Architect/Designer**

   Users of rich-clients do not need to double authenticate anymore

3. **Simplified backup of portal configuration**

   Portal configurations are now considered in backup/restore procedures

Ease of operations

Business & technical administrators

[1] will be released in a later SR

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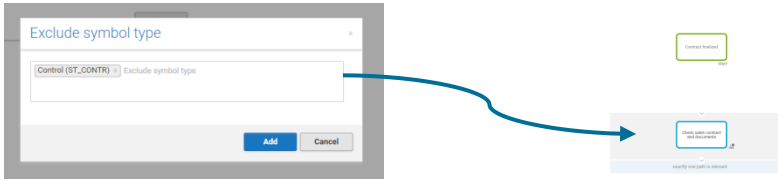
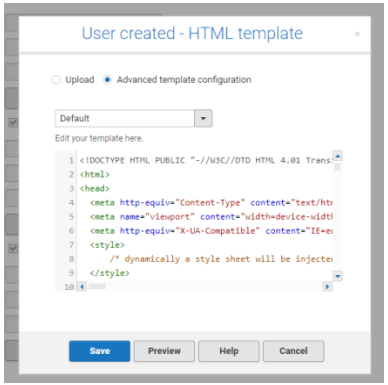
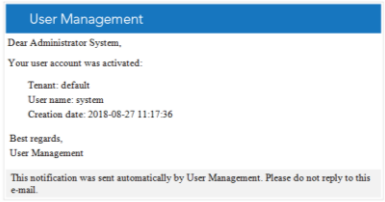
ARIS SUPPORT FOR LARGE ENTERPRISE SCENARIOS
CONFIGURATION, USER & LICENSE MANAGEMENT



Steps view





User notification

1 Symbols in Steps view SSC

Users can now filter the Steps view to exclude symbols (e.g. controls)

2 UMC notifications in tenant backup

Custom UMC notifications are now considered in the tenant backup/restore

Ease of operations

Business & technical administrators

[1] will be released in a later SR

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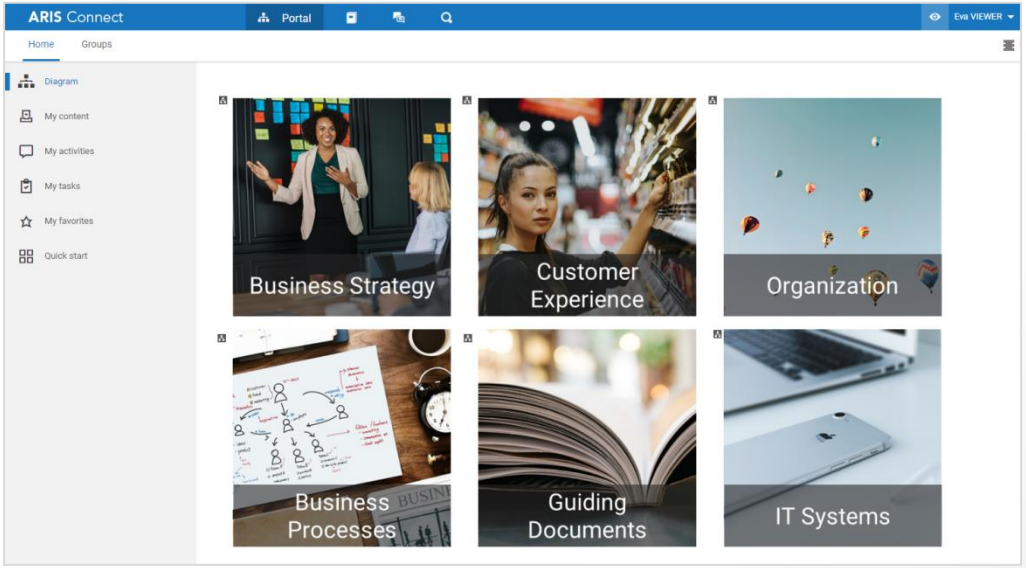
ENTERPRISE MANAGEMENT SYSTEMS

- **Guidance** – Distribute knowledge across the organization with role-specific access
- Simple and fast **onboarding** of new employees
- **Establish quality** in global business processes
- Ensure **compliance**, **certification** & **trust**
- Achieve **global process roll-out** in the context of (SAP) standardization
- Continuous **change management**



120.000
ARIS users at a Brazilian Bank

100.000
ARIS users at a UK-based retail company

90.000
ARIS users at Dutch-based tech company

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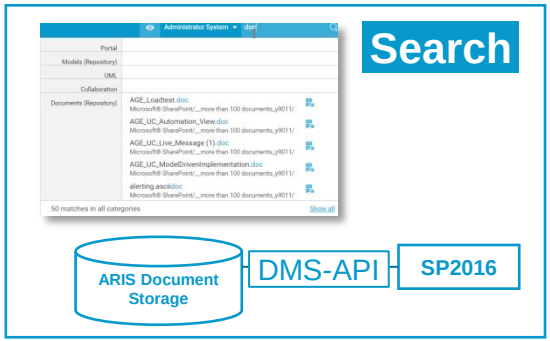
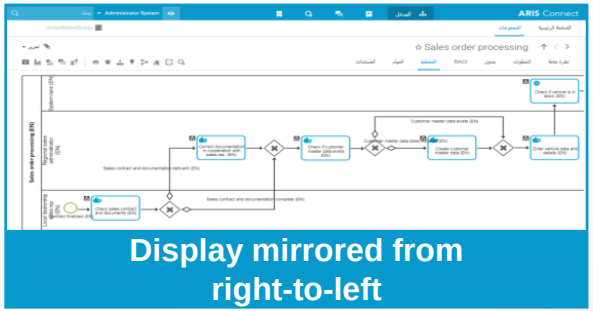
LARGE ENTERPRISE SCENARIOS

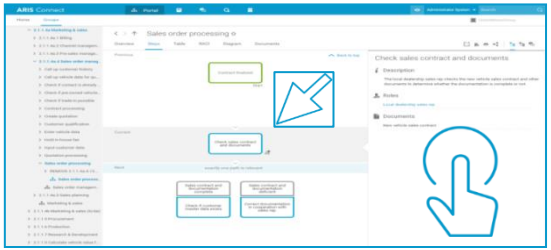


Integration with MS SharePoint 2016

Intelligent Document search (to find only approved versions of documents, ..)

Mirroring the display for **Right-to-left languages** (Arabic, Hebrew, Persian, and Urdu)





Accessibility through enhanced **keyboard controls**

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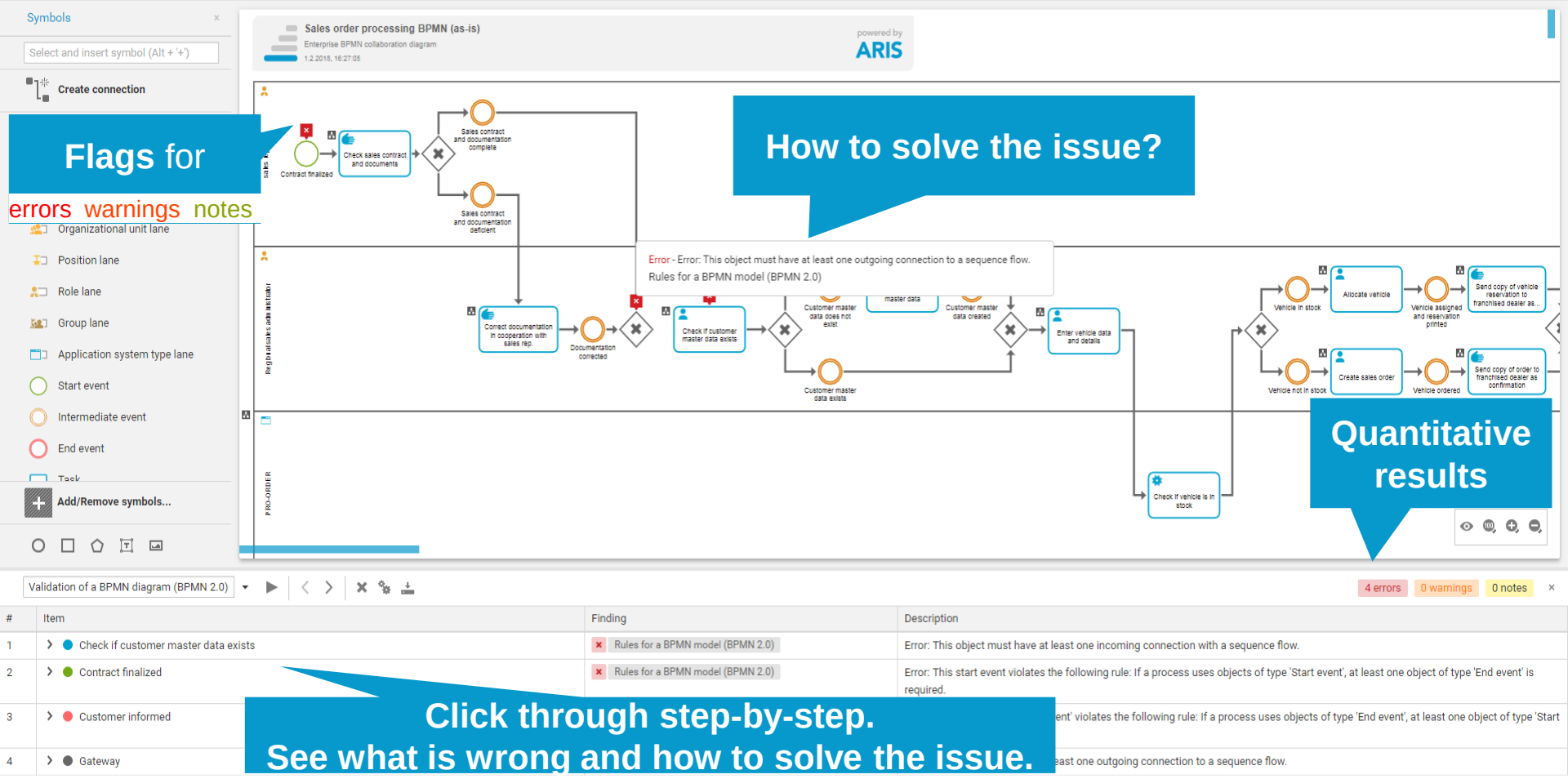
INTEGRATED SEMANTIC CHECKS



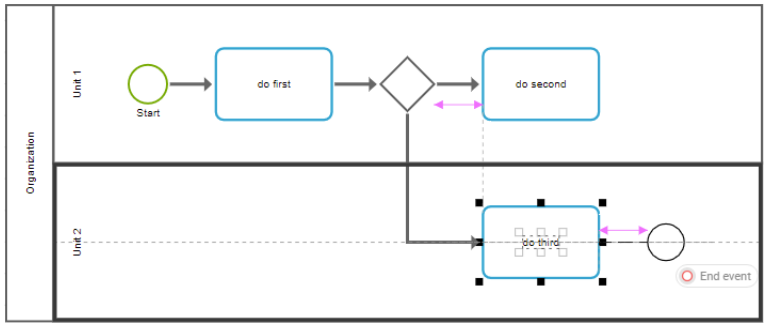
Validation of a BPMN diagram (BPMN 2.0) — 4 errors | 0 warnings | 0 notes

#	Item	Finding	Description
1	Check if customer master data exists	Rules for a BPMN model (BPMN 2.0)	Error: This object must have at least one incoming connection with a sequence flow.
2	Contract finalized	Rules for a BPMN model (BPMN 2.0)	Error: This start event violates the following rule: If a process uses objects of type 'Start event', at least one object of type 'End event' is required.
3	Customer informed		ent' violates the following rule: If a process uses objects of type 'End event', at least one object of type 'Start
4	Gateway		east one outgoing connection to a sequence flow.

Click through step-by-step.
See what is wrong and how to solve the issue.

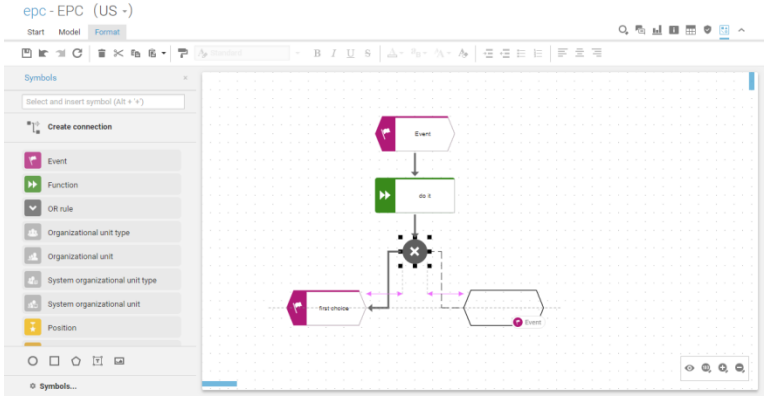
END-USER EXPERIENCE

SMART MODELING
EXCELLENT VISUAL QUALITY WITH EASE



Guided alignment

⟶ Significantly reduced layout effort



New **object panel**

Copy/paste from repository to ARIS Connect Designer

Improved **click and place**

Use of attribute groups for **faster selection**

Jump from ARIS Connect Designer **to Portal View**

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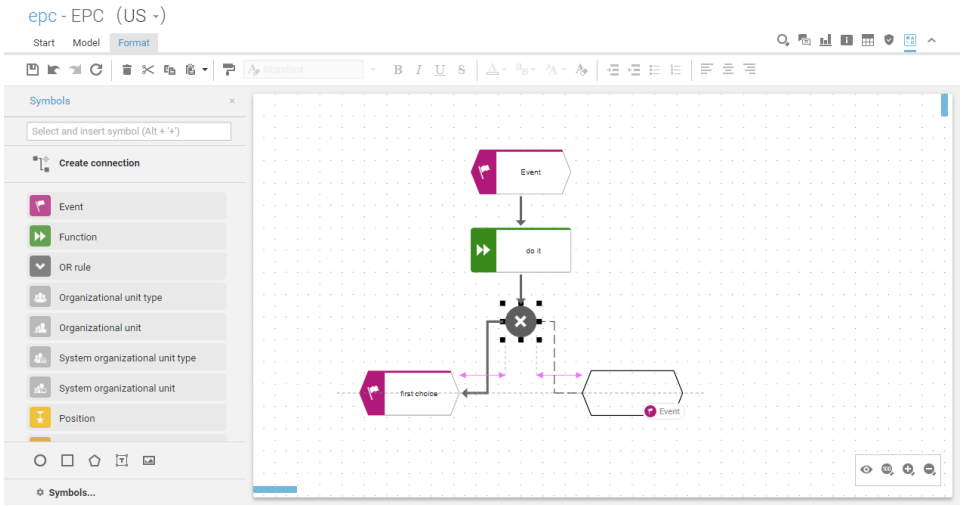
SMART AND WEB-BASED MODELING
UI/UX IMPROVEMENTS FOR ARIS CONNECT DESIGNER



1. Refreshed object panel
2. **Copy/paste** objects from repository to ARIS Connect Designer
3. **Improved click and place**
4. Use of **attribute groups** for faster selection
5. **Jump** from ARIS Connect Designer to Portal View

Ease of use
User-friendliness

All web designers

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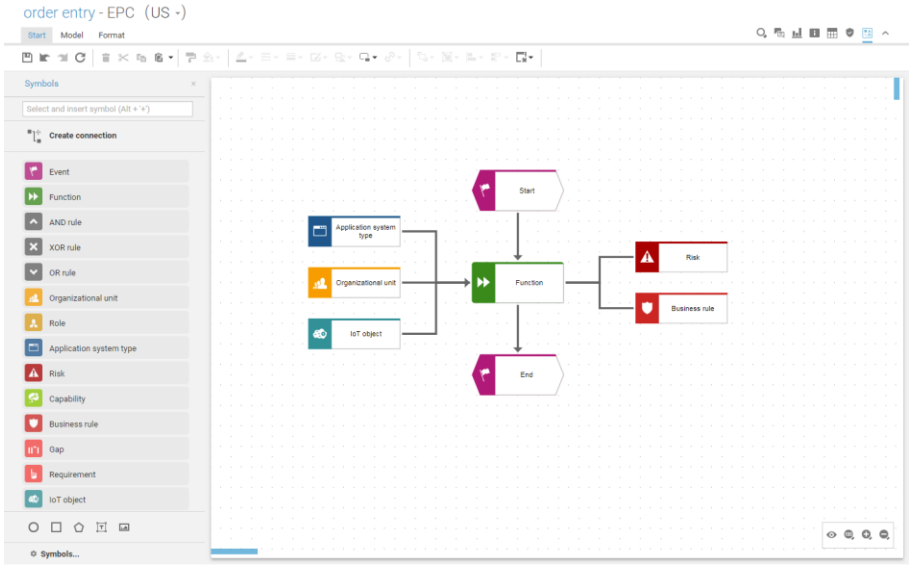
SMART MODELING IN THE WEB
ESSENTIAL FOR EVERYONE



1. Edit the **connection styling** such as line width and bridges
2. Set the **background color** of a model
3. Get all relevant properties (e.g. GUID) of models and objects.
4. Improvements of the matrix modeler such as assignments creation and filtering the inspector panel

Easy transformation & improved access
Individual styling

All designers

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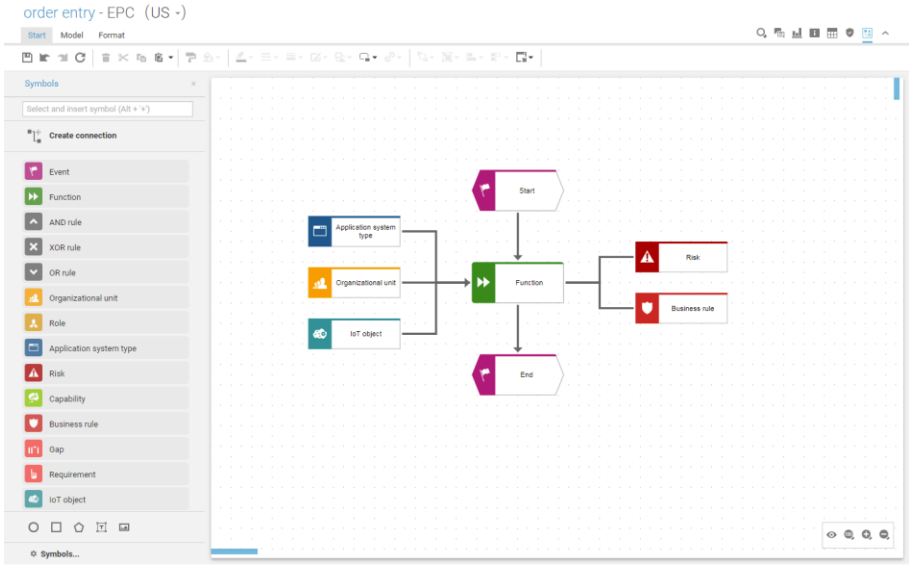
LESS DESIGN EFFORTS WITH STANDARDS
ADVANCED AUTOMATION IN ARIS CONNECT DESIGNER



Reports can now be executed **directly after creating a model but before it is opened**. Some **sample scenarios**:

1. Number a model/object immediately after its creation
2. Auto-maintain arbitrary attributes
3. Object preparations

Support end-users for easy fulfillment of design standards
Roll-out design standards across the organization

All designers
Administrator

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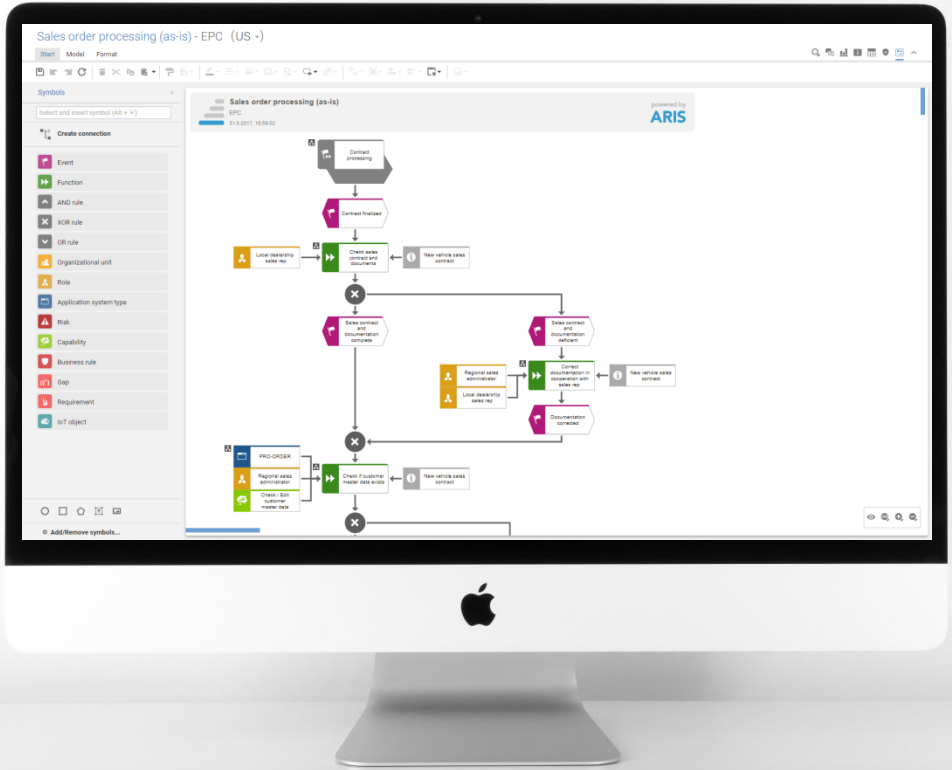
APPLE SUPPORT
PROCESS MODELING ON macOS® WITH Safari®

Apple® support for

ARIS Connect Viewer & ARIS Connect Designer



macOS® 10

&

Safari® 11+

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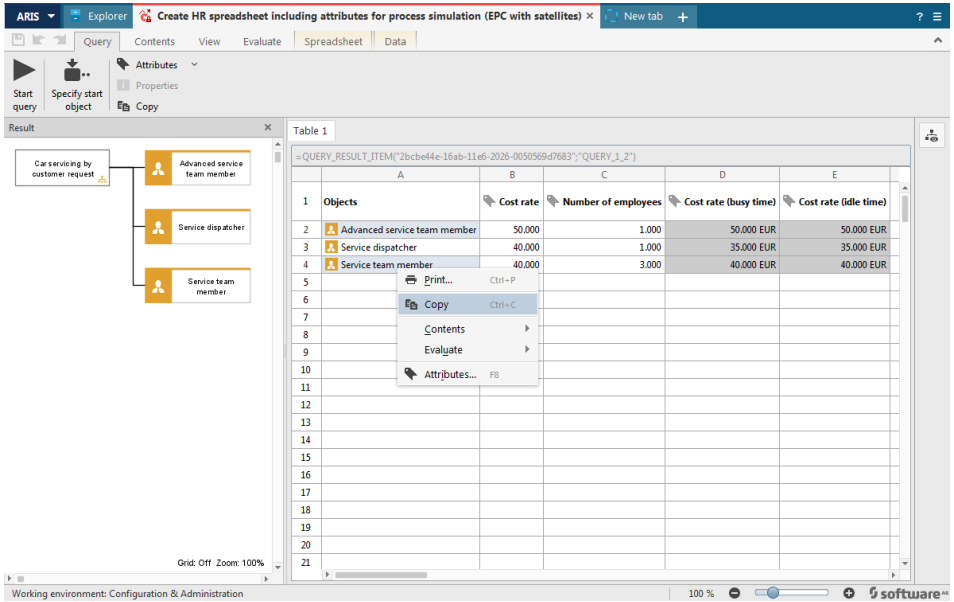
PROFESSIONAL PROCESS DESIGN
ARIS ARCHITECT/DESIGNER



1. Improved BPMN-based round tripping: BPMN models can be replaced during import to ensure consistency in the process landscape

2. Copy/paste of objects from spreadsheets

3. Multi-selection of objects in spreadsheets

Ease of use
Professional BPMN round tripping

Process Designer
Automation Experts

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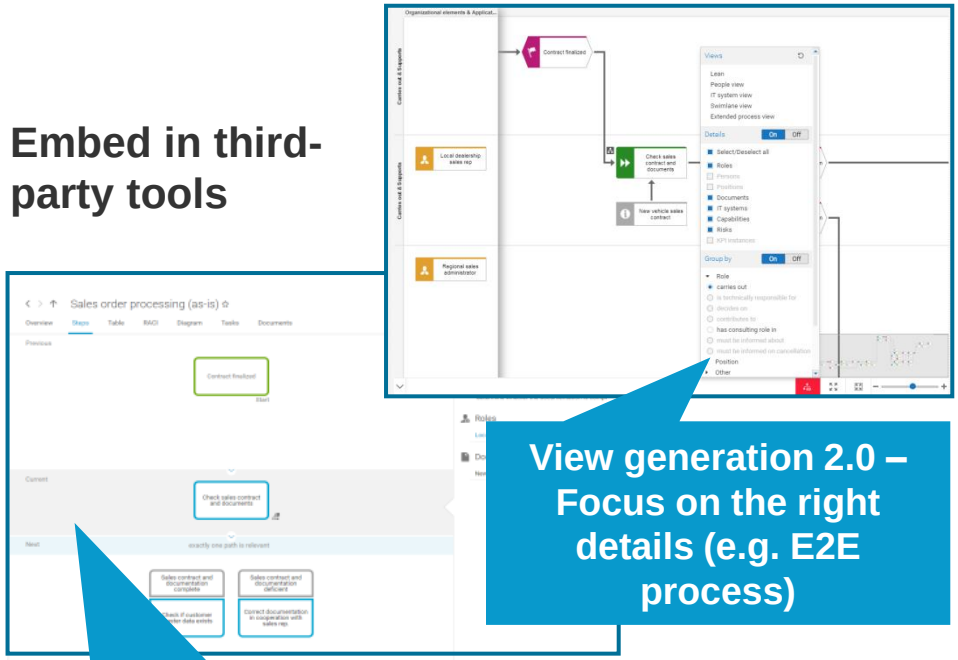
PERSONALIZED NAVIGATION AND VIEWING

Embed in third-party tools



View generation 2.0 – Focus on the right details (e.g. E2E process)

Show ARIS Connect information in external systems (e.g. wiki)

Highlighting your details

Your tasks; happy path of a process

Thumbnail view, Search in diagram, Navigation

Easy & fast viewing/search

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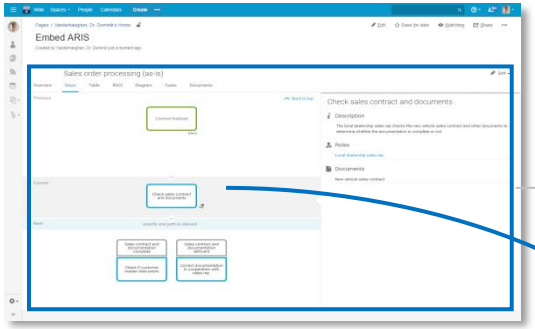
SINGLE-SOURCE-OF-TRUTH FOR EVERYONE
ARIS CONNECT – NOW WITH EMBEDDED VIEWS



External system for viewing

Embedded view from ARIS Connect

deep-dive in ARIS

ARIS Connect

Share ARIS Connect apps in other systems like for instance *Atlassian Confluence*

Embed ARIS Connect within external applications (e.g. Atlassian Confluence) to reach the daily work environment of business users; publish the

- Diagram
- Steps view
- Overview fact sheet

within the 3rd party portal as simple as embedding a video player from popular video platforms like YouTube.

Easy spread of business knowledge

End-users, Architects, Center of Excellence (CoE)

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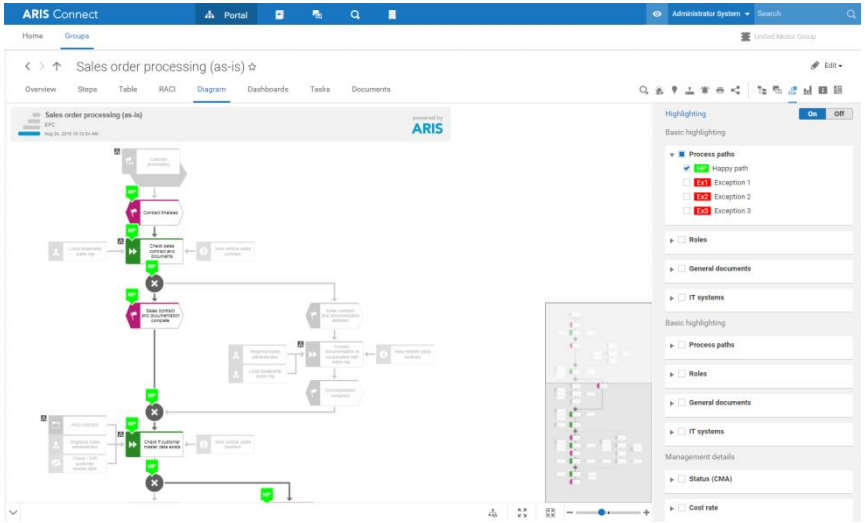
SINGLE-SOURCE-OF-TRUTH FOR EVERYONE
UNLEASH NEW LEVEL OF RELEVANT DETAILS



The ***Happy path*** visualized to guide end-users through the process

1. **Highlighting for occurrences, business patterns and connections**

   Users can easily highlight e.g. *their* tasks for *their* role in a process; or highlight the happy path of a process

2. **Thumbnail view**

   Indication where you are navigating on the canvas

3. **Connection details support**

   Show attributes or fact sheets for connection information

Easy spread of business knowledge

End-users, Architects, Center of Excellence (CoE)

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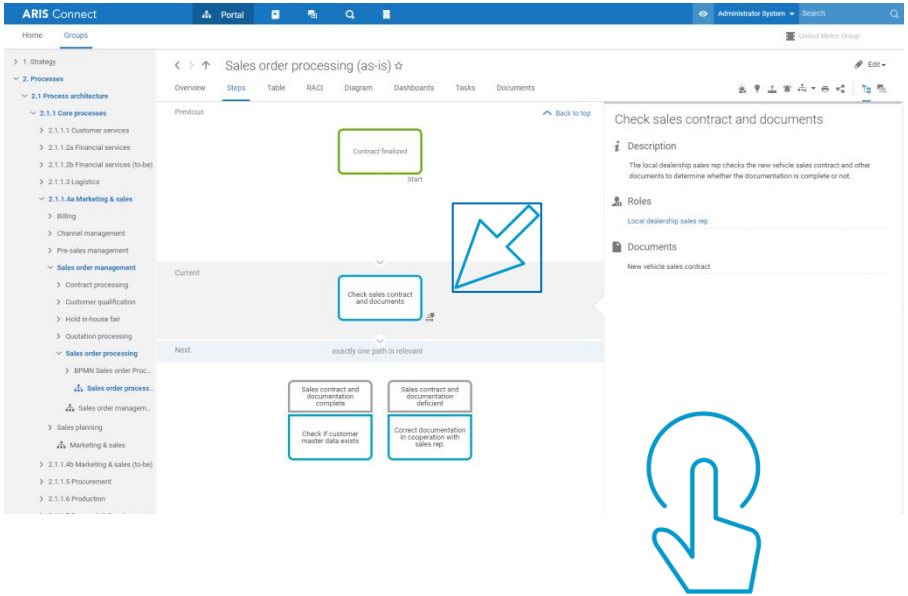
SINGLE-SOURCE-OF-TRUTH FOR EVERYONE
ACCESSIBILITY IN ARIS CONNECT



1 **Accessibility enhancement on keyboard navigation**

Enhanced keyboard controls to navigate through the ARIS Connect portal for normal end-users and end-users working with special technology (e.g. screen readers)

2 **Help page**

A new help page informs on keyboard shortcuts within ARIS Connect

Better accessibility

End-users,
End-users with handicaps

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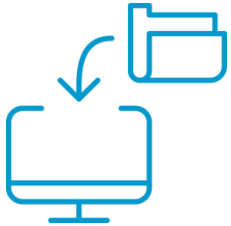
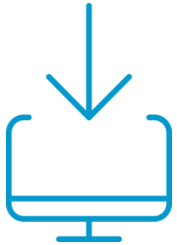
CENTRALIZED ENTERPRISE DOCUMENTS
NEW END-USER AND ADMINISTRATION FEATURES



1 Move folders in ADS

Allow admins to move folders with content



2 Mass file migration in ADS

Simply migrate to ARIS Document Storage even with a large amount of files

3 UX improvements

Indication of document status in version tab

Open documents in browser instead of downloads

Integrated document & process management

Document owners, Process owners

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ARIS IS AVAILABLE IN THE CLOUD

ARIS Cloud

ARIS Cloud Trial

Public cloud

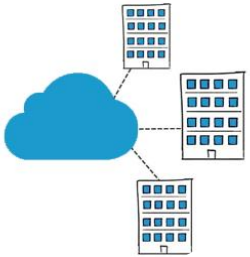
- Start your first process improvement project immediately
- Use basic modeling, analysis, admin & standard sharing

30-day free trial!

ARIS Cloud Advanced

Public cloud

- You already have experience in process modeling
- Advanced modeling with own filters, analysis, sharing, administration
- Manage cross-departmental projects



ARIS Cloud Enterprise

Private cloud

- Establish a digital transformation journey
- Enjoy complete ARIS capabilities covering expert modeling & analysis, customized sharing, full administration
- Incl. SAP, IoT, EA and GRC

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YOUR NEXT ARIS IS IN THE CLOUD
HIGHLIGHTS

Extended ARIS Cloud *Advanced* edition capabilities[1]

Public cloud extended with additional capabilities

- Advanced design and analysis capabilities with ARIS Architect made available as download client: ARIS Cloud Adv. Architect
- Enterprise Architecture Management with ARIS Architect Extension Pack EAM
- Business Strategy design with ARIS Architect Extension Pack Business Strategy

New use cases in the cloud

Center of Excellence, Business Consultants

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[1] will be released in a later SR

BUSINESS & IT ALIGNMENT

PERFORMANCE
STARTUP, QUERIES & SPREADSHEETS

up to
30%
reduced startup time for
ARIS Connect Designer

15-85%
reduced time for executing
queries

up to
90%
reduced time to **open** a
spreadsheet model

User experience

Designers, Architects & Dashboard Viewers

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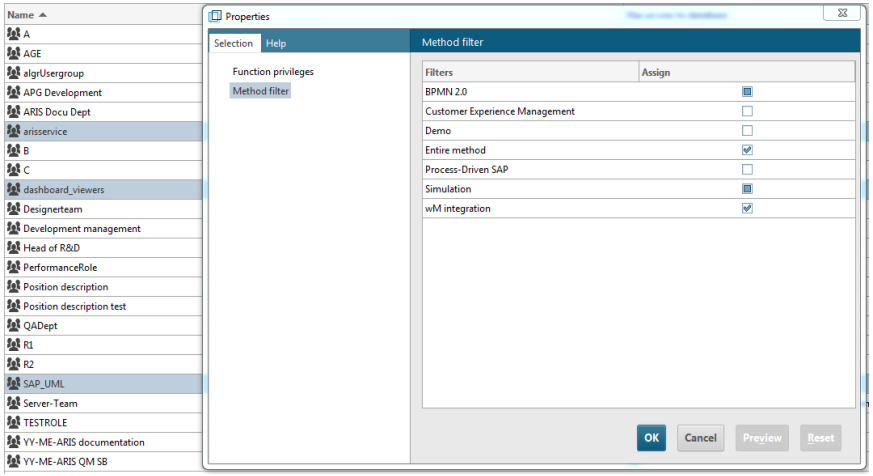
SIMPLIFIED MANAGEMENT
AUTHENTICATION, DATABASE SETTINGS & TENANT MANAGEMENT



1. **Authentication handover** from ARIS Connect to ARIS Architect/Designer

2. **Database-related settings** can now be edited for multiple user groups in these steps:
   - Assign access privileges
   - Manage function privileges
   - Access to method filters
   - Specify publishing settings

3. All tenant administrators are now automatically **notified** about the result of **scheduled tenant backups**

Ease of use
Quick & easy access administration

Designers & Architects
Administrator

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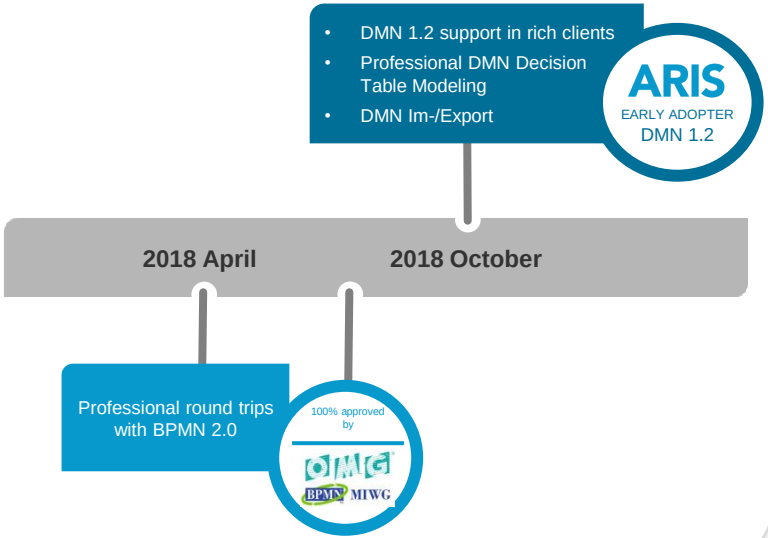
LEADING BPMN 2.0 SUPPORT IN ARIS
100% ATTESTED BY OMG

THE OMG CHECKLIST

- **Design** capabilities: Can all models of a test suite be modeled with a correct result (types, attributes, visualization)?
- **Export**: Can the designed models be correctly exported (file validity, types, attributes)?
- **Import**: Can all models of a test suite be imported correctly (visualization, objects, types, attributes)?
- **Round tripping**: Can imported models be exported again without any loss of information?

OMG LEADERSHIP



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ARIS is one of three tools **with top results (100%)** | 33 **tools** evaluated **overall**

Vendor	Tool	BPMN 2.0	Import	Export	Roundtrip	A Results Submitted	B Results Submitted	C Results Submitted	Website
Software AG	ARIS Architect 10.0.2	✓	Diff	Diff	Details	24/24	8/8	18/18	

Source: http://bpmn-miwg.github.io/bpmn-miwg-tools/ (2018-06-20)

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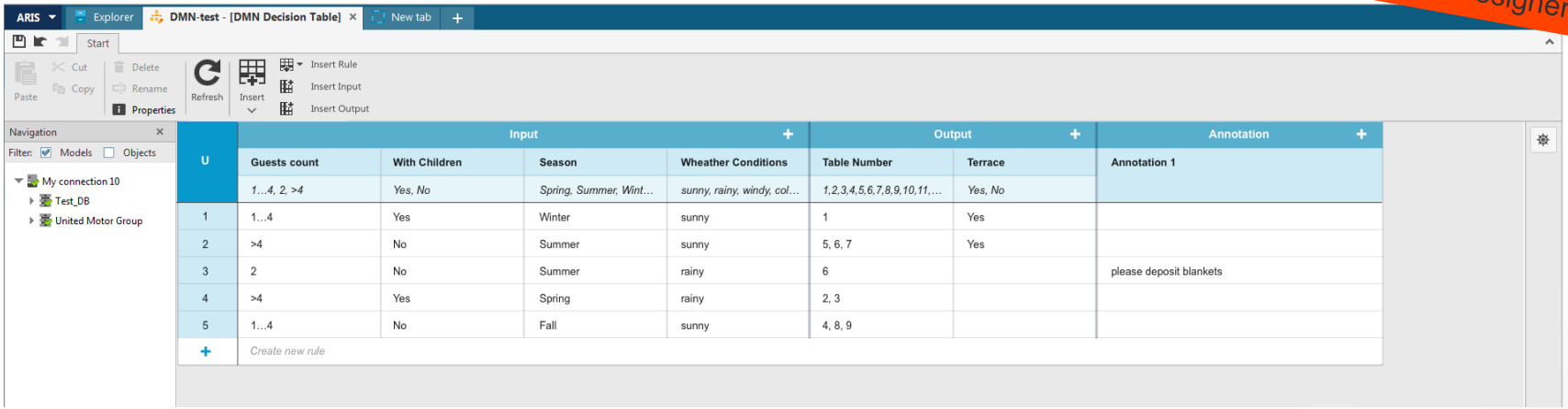
RICH CLIENT ONLY

PROFESSIONAL PROCESS DESIGN
ARIS AS AN OMG CHAMPION

For ARIS 10 SR6, only available in ARIS Architect & Designer



U	Input				Output		Annotation
	Guests count	With Children	Season	Wheather Conditions	Table Number	Terrace	Annotation 1
	1…4, 2, >4	Yes, No	Spring, Summer, Wint…	sunny, rainy, windy, col…	1,2,3,4,5,6,7,8,9,10,11,…	Yes, No	
1	1…4	Yes	Winter	sunny	1	Yes	
2	>4	No	Summer	sunny	5, 6, 7	Yes	
3	2	No	Summer	rainy	6		please deposit blankets
4	>4	Yes	Spring	rainy	2, 3		
5	1…4	No	Fall	sunny	4, 8, 9		
+	Create new rule						

1. DMN 1.2 Decision Modeling
2. DMN import & export
3. Decision tasks in BPMN

Easy & structured decision modeling
Professional process automation

Process Designer
Automation Experts

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ECOSYSTEM MODELING

1

Discover digitalization opportunities

Identify digitalization opportunities by visualizing the ecosystem of your organization.

2

Identify groups and clusters

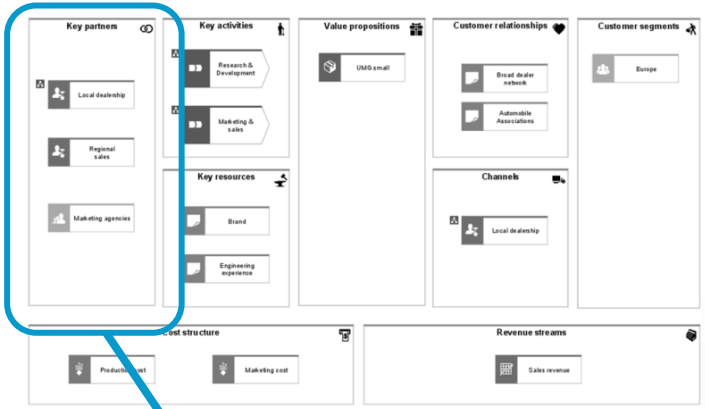
The ecosystem consists of actors and their relationships. These can often be grouped. This helps in understanding who is driving/controlling the ecosystem. But it also makes the informational and financial flow between groups transparent.

3

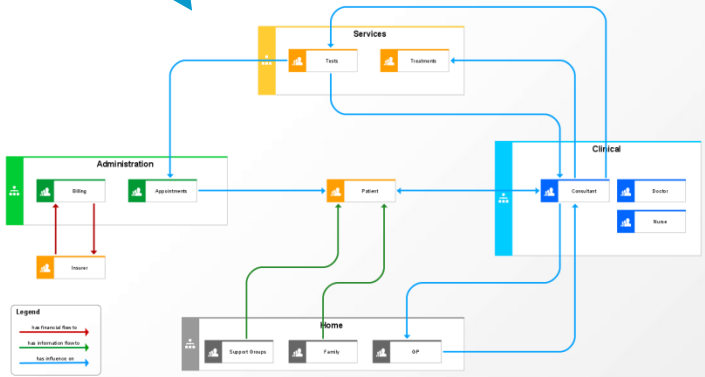
Understanding the dynamics

Understanding how the ecosystem behaves over time is important. For example: What positive and negative dynamics can occur? Does it balance out in case of a disruption?

Business Model Canvas



The new ecosystem model



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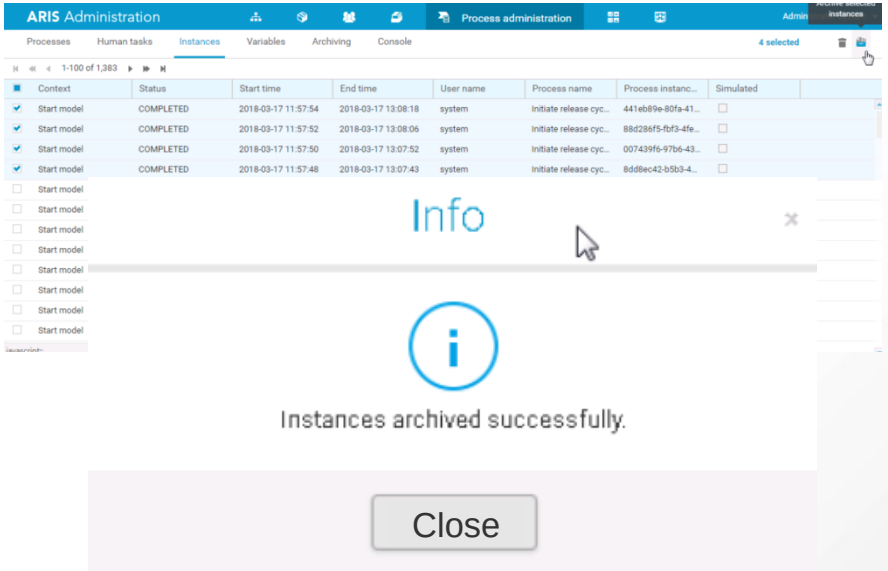
PROCESS ADMINISTRATION
ARCHIVING

1. **Archiving of completed instances**
   Moving completed instances to the archive can provide performance improvements, especially in heavy-load scenarios.

2. **Managing archived instances**
   It is possible to delete or replay archived instances. The archive is stored in the ADS. Archive related operations are stored in a dedicated history.

3. **Schedule archiving activities**
   The APG Report API has been extended so that archiving activities can be triggered programmatically. For automatic scheduling, the build-in report scheduler can be used.



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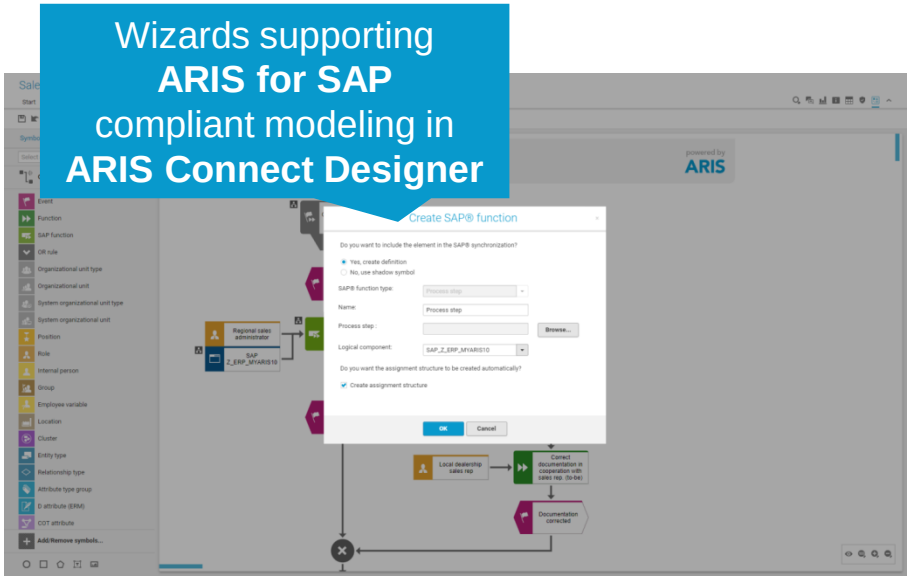
ARIS FOR SAP® SOLUTIONS
SUPPORT IN ARIS CONNECT DESIGNER



Support of ARIS for SAP modeling in **ARIS Connect Designer**

1. Wizard-based support of **modeling SAP functions** (incl. using and maintaining the Process Step Library)
2. Wizard-based support of **creating SAP-related documents**
3. Wizard-based support of **creating SAP executables** (such as transactions and Fiori apps)

Lightweight modeling of SAP processes
Involve LoB in designing SAP processes

Line of Business

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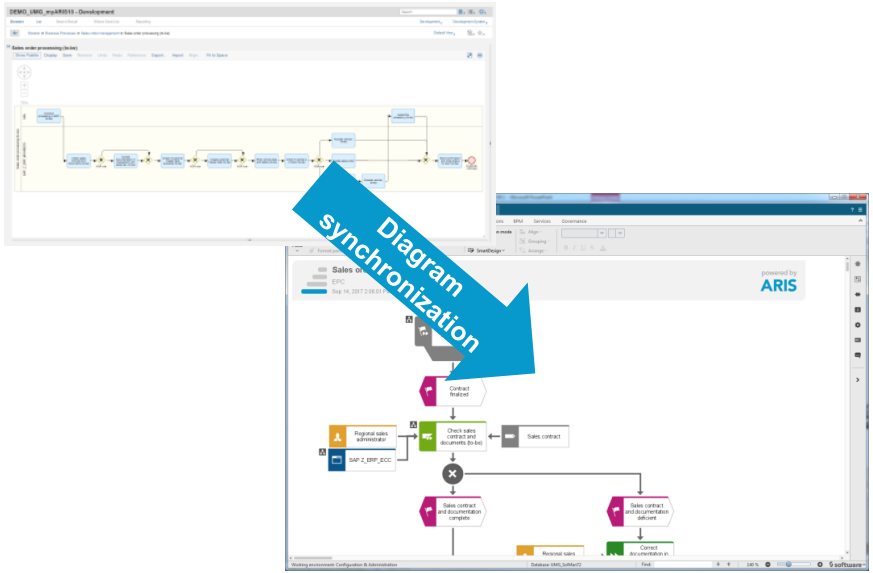
ARIS FOR SAP® SOLUTIONS
EXTENDED SYNCHRONIZATION AND LIBRARY HANDLING



1. **Download BPMN process diagrams** from SAP Solution Manager into ARIS
2. Synchronization of **Executable Library**
3. **Improved** synchronization **performance** with SAP Solution Manager 7.2
4. Support for synchronizing **multi-value customer attributes** (e.g. sites)
5. **Start executables** (e.g. transactions, Fiori apps) in **steps view**

Extended synchronization
Better usability

Process Designer
Process Owners

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BETA TESTS – NO OFFICAL GA

ARIS FOR SAP® SOLUTIONS
INTEGRATION WITH SAP ENABLE NOW

Easy creation of SAP training materials

Process Owners
Training Manager

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PROCESS-DRIVEN MIGRATION TO SAP® S/4HANA
ARIS IS WELL-ALIGNED WITH SAP ACTIVATE

Discover	Prepare	Explore	Realize	Deploy	Run
ARIS provides transparency	**ARIS designs end-to-end SAP processes**	**ARIS analyzes impact & governs process approvals**	**ARIS supports testing & training**	**ARIS communicates to-be design**	**ARIS monitors & improves SAP system**
ARIS Process Mining & **Software AG** Redocumentation	**ARIS** design clients & Performance. Ready	**ARIS** design clients & **ARIS** Process Governance	**ARIS** Test Designer, **ARIS** Process Governance	**ARIS** Connect & **ARIS** Process Governance	**ARIS** Connect & **ARIS** Process Mining

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PROCESS-DRIVEN MIGRATION TO SAP® S/4HANA
ARIS IS WELL-ALIGNED WITH SAP ACTIVATE

ARIS GUARANTEES

1. **Transparency and understanding of status quo (processes, system)**
2. **The cornerstone of a successful migration to S/4HANA**
3. **Efficient SAP testing, training and operation**

Discover	Prepare	Explore	Realize	Deploy	Run
ARIS Process Mining & **Software AG** Redocumentation	**ARIS** design clients & Performance. Ready	**ARIS** design clients & **ARIS** Process Governance	**ARIS** Test Designer, **ARIS** Process Governance	**ARIS** Connect & **ARIS** Process Governance	**ARIS** Connect & **ARIS** Process Mining

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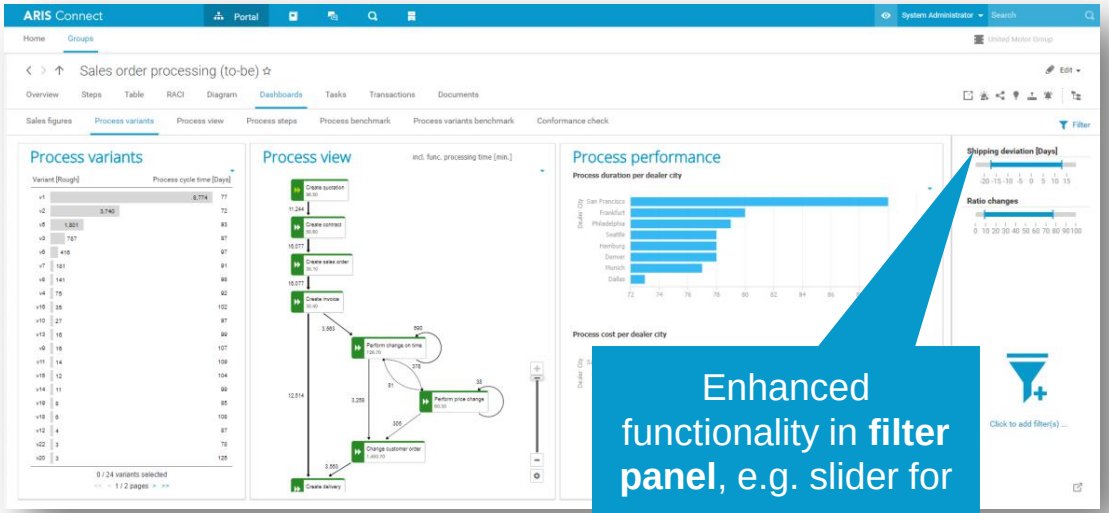
PROCESS MINING

ARIS PROCESS MINING
INTEGRATED PROCESS MINING



Enhanced functionality in **filter panel**, e.g. slider for process measures

1. Enhancement in **process mining context** (e.g. slider-based filtering of process measures, exclude dashboard widgets from being filtered)
2. Enhancements in interactive **filter panel** (e.g. add dimensions at design time, slider widget)
3. **Support of process variants** in distributed systems
4. **Exclude ARIS functions** from **conformance checking**

Increased support for ad-hoc analysis in process mining dashboards

Process Owners
LoB Managers

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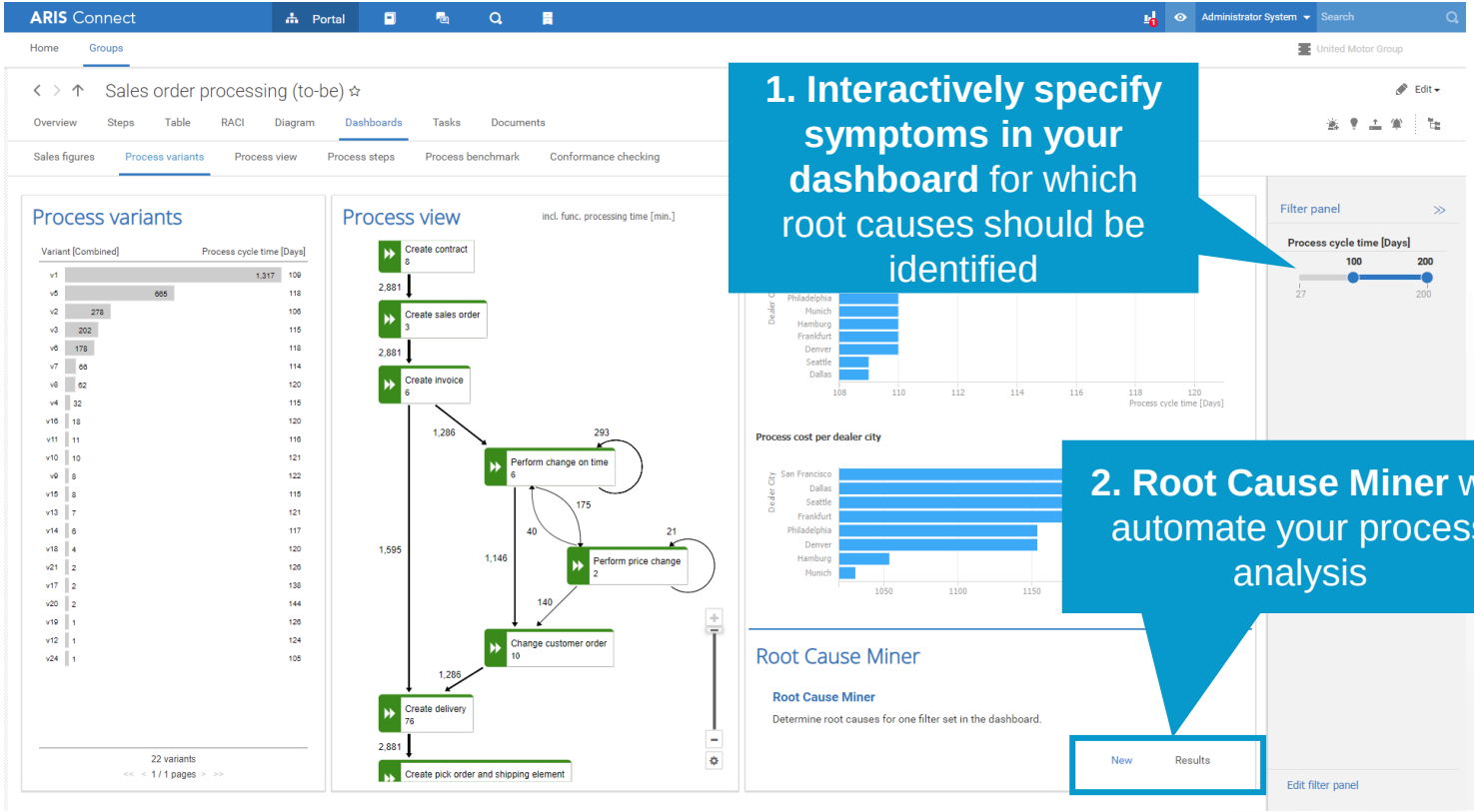
ARIS PROCESS MINING
ROOT CAUSE MINER



1. Interactively specify symptoms in your dashboard for which root causes should be identified

2. Root Cause Miner will automate your process analysis

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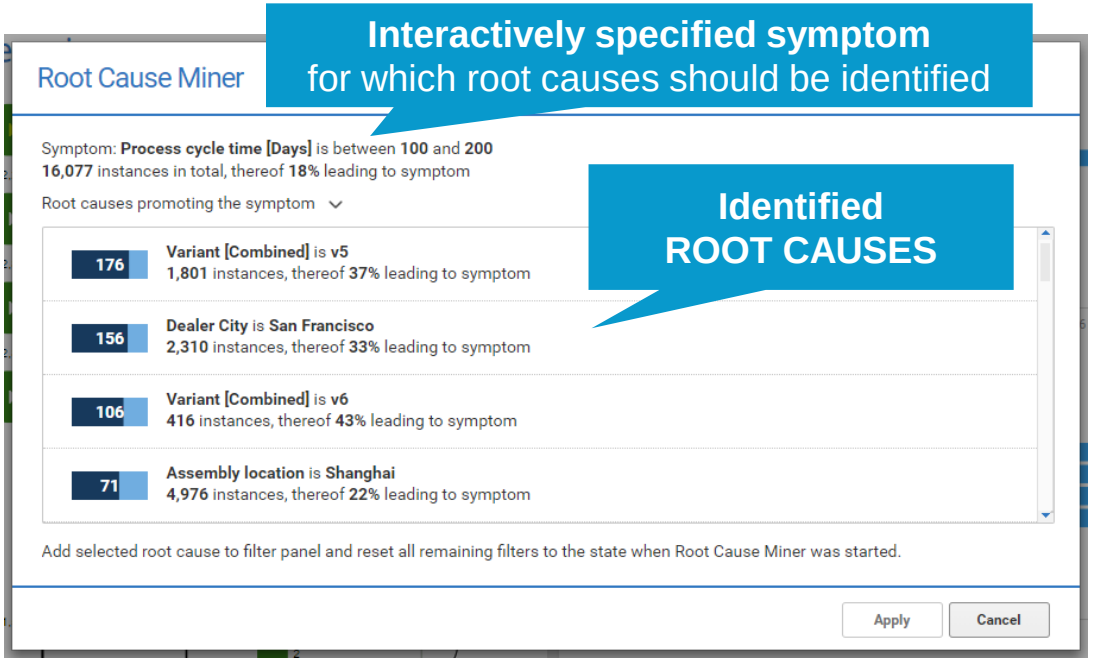
ARIS PROCESS MINING
ROOT CAUSE MINER



Root Cause Miner

automatically identifies process root causes that influence KPIs, *e.g.*

Symptom: *processing time 100-200 days*

Identified root causes:

- *orders executed according to **process variants v5** or **v6***
- *cars sold by dealers in "**San Francisco**"*
- *cars assembled in "**Shanghai**"*

will lead to significant higher customer complaints *(compared to "negative" influencer like London)*

Automated root cause analysis

Process Owners
LoB Managers

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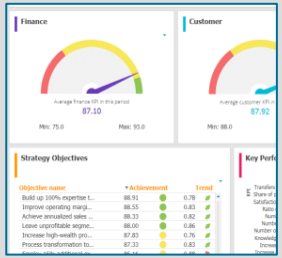
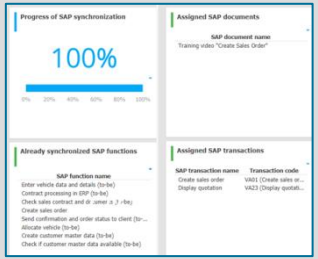
NEW USE CASES FOR ARIS AWARE

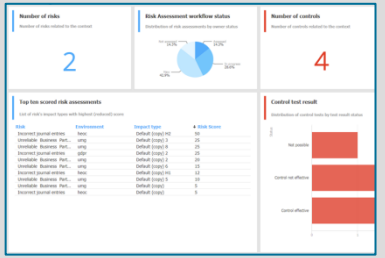


Strategy

Internet of Things

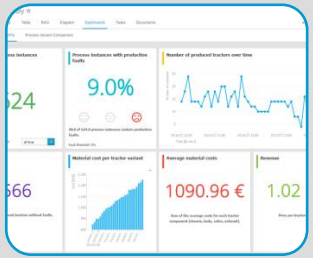


SAP Synchronization

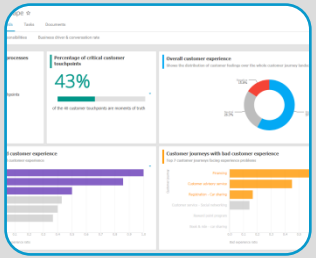


Risk & Compliance

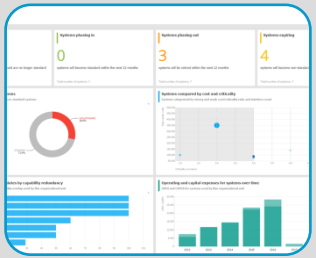
Center of Excellence



Process Performance



Customer Experience



Enterprise Architecture

Business Usage

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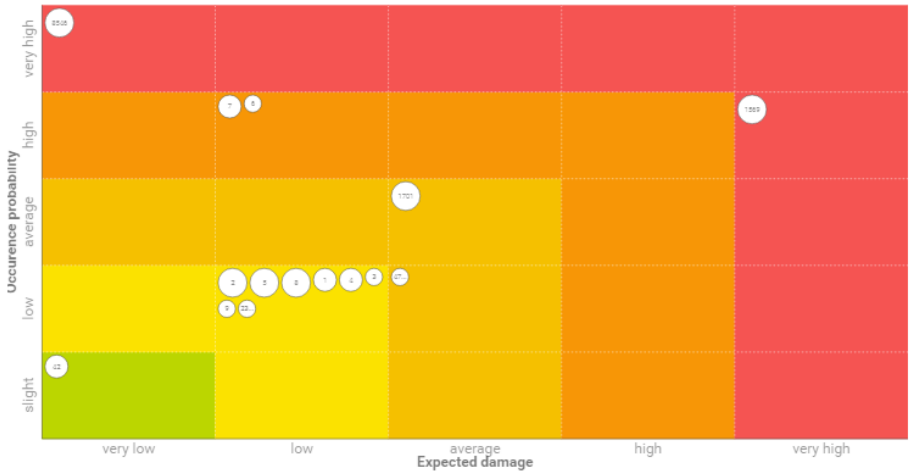
MANAGEMENT HEAT MAP
BEST PRACTICE VISUALIZATIONS FOR RELIABLE DECISIONS



1. **Visualize risks** in three dimensions
2. Define your **individual** scales, colors & risk categories
3. Derive **actions** for critical risks – jump to ARIS Risk & Compliance Manager and proceed
4. Filter for specific risk categories and get the details

Intuitive & fast access to critical information
Support reliable risk decisions

Risk managers

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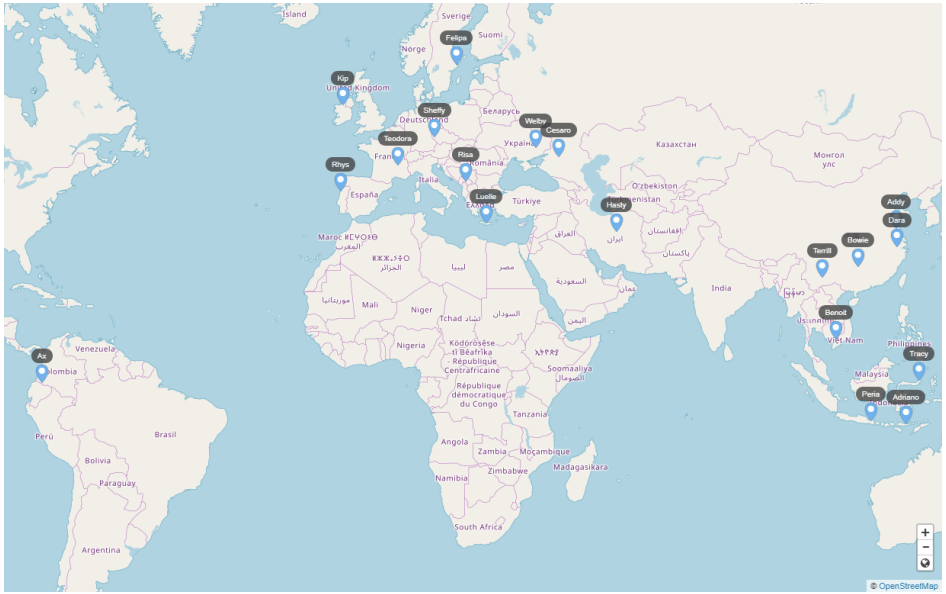
GEO & VECTOR MAP
BEST PRACTICE VISUALIZATIONS



1. **Interactive markers** with KPIs in geo maps
2. Interactive presentation of **regions** & KPIs in vector maps
3. Filter on **regional selection**

Interactive world visualizations

Dashboard viewers

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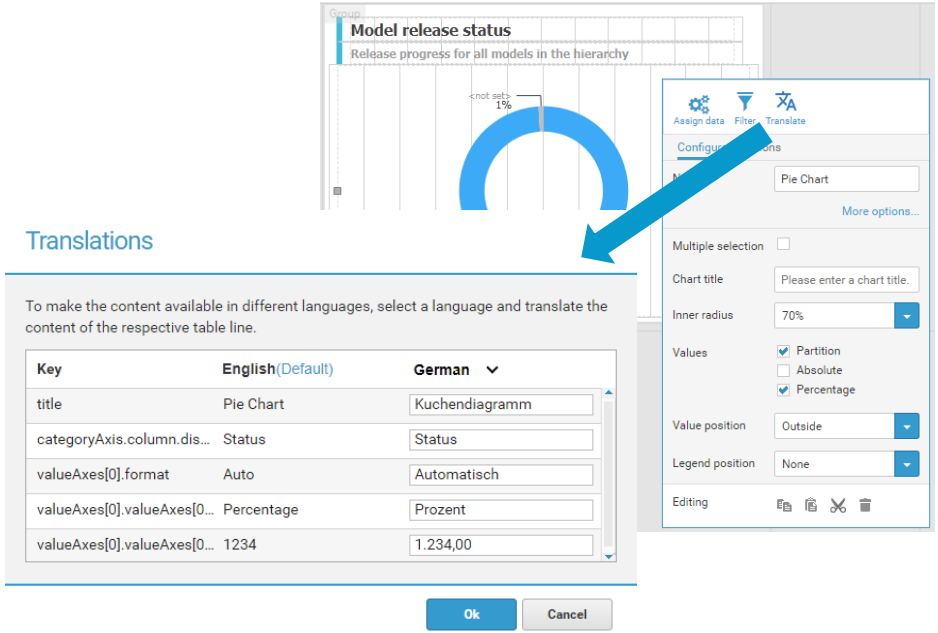
DASHBOARDING WITH ARIS AWARE
LOCALIZATION OF DASHBOARDS



1. Improved **user acceptance by translating dashboards** into the user language
2. Define a **fallback language**
3. Add additional languages during your **translation projects**
4. Works for tabs, chart dimensions, etc.

Dashboard in my own language
Intuitive & fast dashboard translation

Dashboard viewers
Dashboard designers

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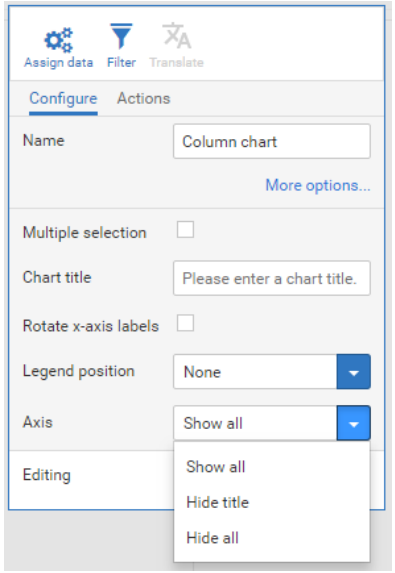
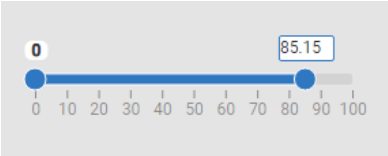
DASHBOARDING WITH ARIS AWARE
FURTHER IMPROVEMENTS

Configure axes presentation



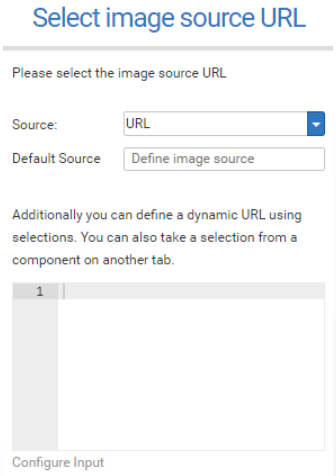
Optimize charts for different screen resolutions

Entering exact slider values



Some use cases require an exact definition of value ranges. The value slider now allows entering values directly on the range points.

Dynamic images



Using dynamic URLs allow to flexibly change images based on particular selections.

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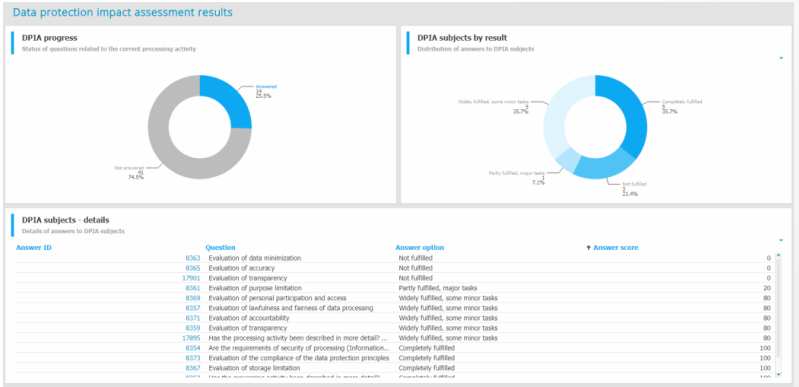
GDPR COMPLIANCE

MAKE DATA PROTECTION PRACTICES A HABIT
BEYOND THE DEADLINE OF GDPR

Data protection shouldn't end as a deadline met. Instead build a sustainable practice across your organization and turn data privacy protection into a competitive advantage:

- Establish data policies
- Evaluate the implications for your industry
- Build a record of processing activities
- Perform data protection impact assessments
- Implement risk mitigation measures
- Establish incident management
- Ensure sustainable compliance



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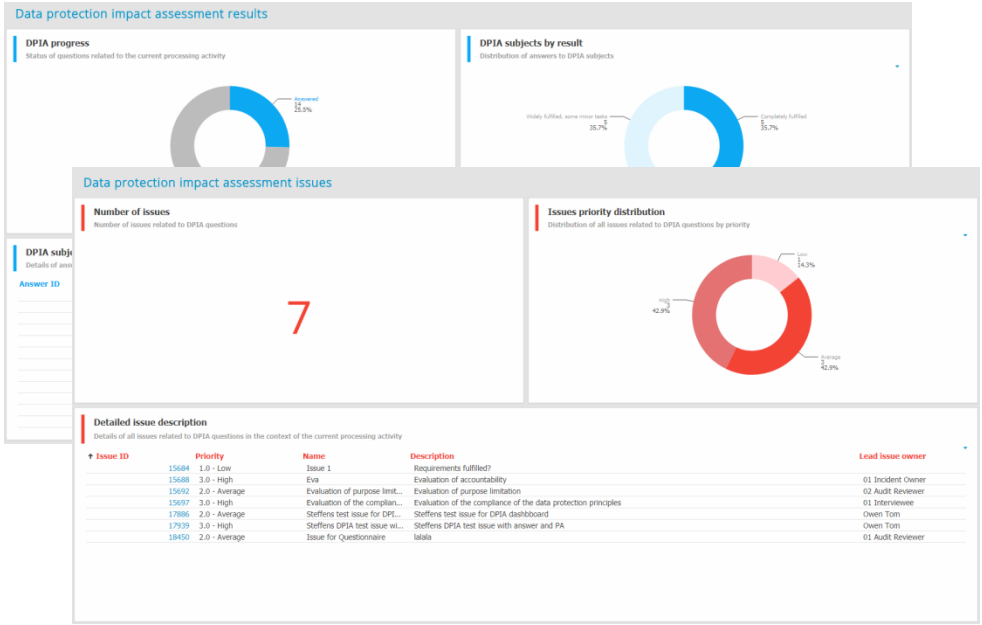
GDPR AND BEYOND
HIGHLIGHTS I



1. Questionnaire template for **Data Protection Impact Assessment** (DPIA)
2. DPIA **report**
3. DPIA **dashboard**
4. Separate Processing Activity Documentation (PAD) questionnaire templates for **controller** and **processor**

Next steps to GDPR Compliance Improvements

Compliance Manager
Data Protection Manager

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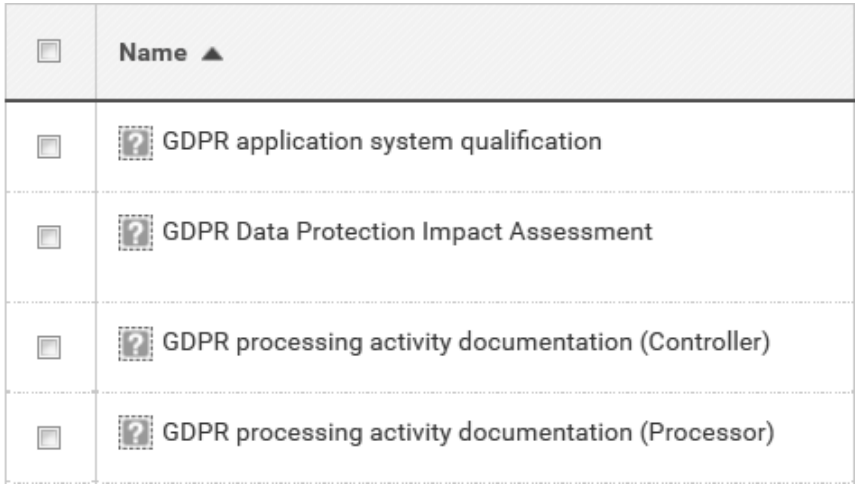
GDPR AND BEYOND
HIGHLIGHTS II



1. Questionnaire template for application system **qualification**
2. Improved fact sheets for **control** and **function**
3. Reduced set of **mandatory** attributes

Improvements
Adjustments based on customer feedback

Compliance Manager
Data Protection Manager

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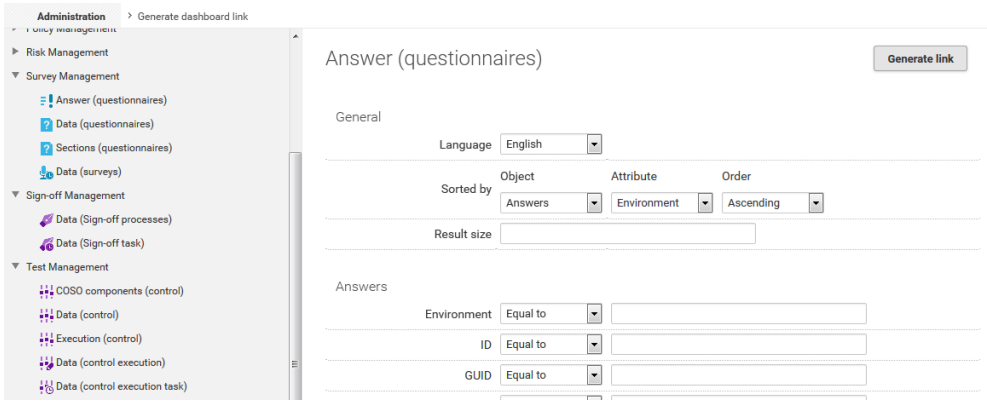
IMPROVEMENTS GRC: DATA ACCESS FOR ARIS AWARE
HIGHLIGHTS



1. Access to **sign off**
2. Improved access to **hierarchies**
3. Access to **control execution**
4. Improved access to **surveys** and **questionnaires**

Out-of-the-box
Full access to ARIS Risk & Compliance Manager data

Management
Dashboard builders

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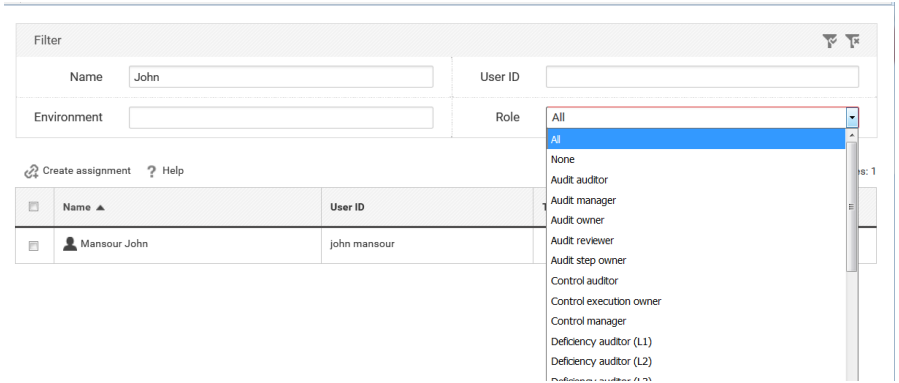
FURTHER GRC IMPROVEMENTS
HIGHLIGHTS I



1. **Control auditor** role
2. **Control execution** tab added to hierarchies
3. **Simplified** user assignment to issues
4. **Simplified/reduced** set of **mandatory** attributes

Closer and more complete integration
Ease of use

ARCM Users

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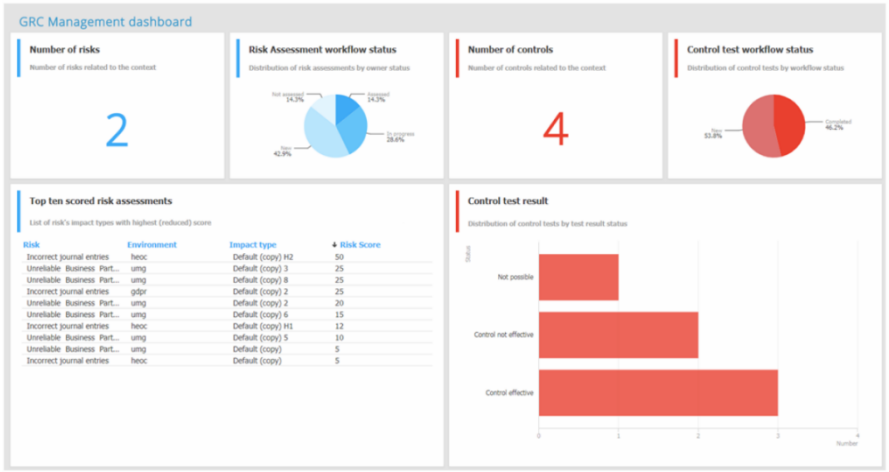
FURTHER GRC IMPROVEMENTS
HIGHLIGHTS II



1. Import of **complete hierarchies** without having assigned GRC elements
2. Descriptive information for questions and answers available in **offline processing**
3. **Remark field** for every role
4. ARIS Aware **dashboard for GRC**

Improved information about business aspects
Improved feedback for all users out-of-the-box

Operational ARCM users

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