ARIS 10 SR2
FEATURES OVERVIEW

ARIS Product Marketing
September 2017

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25th BIRTHDAY

MANAGE YOUR DIGITAL FUTURE

ARIS 10

software AG

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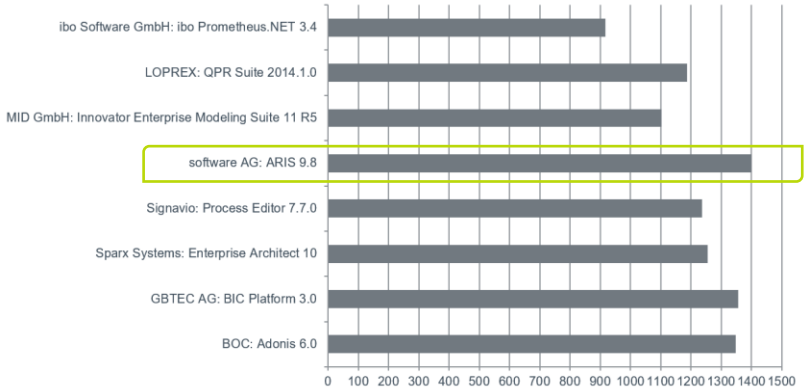
BARC PRODUCT STUDY 2016
PROCESS MODELING TOOLS

"All required criteria of application support for model administration, standard notation, sophistication of the methods, collaboration and model analysis could be fulfilled completely by ARIS."

"Software AG – first class as expected"



"With the current release tested in quarter four of 2016 Software AG could improve its best ranking 'gold seal.'"

Product rating

Evaluation – technical concept

Criteria	Percentage fulfillment of criteria
Architecture	75%
Integration	96%
System administration	95%
Security and backup	92%
Web access	93%

Evaluation – application support

Criteria	Percentage fulfillment of criteria
Model administration	100%
Standard notations	100%
Sophistication of the methods	100%
Model creation	89%
Collaboration	100%
Model segmentation	79%
Publishing	94%
Model analysis	100%
Simulation	93%
Process execution	94%

Source: http://barc.de/Artikel/software-ag-wie-erwartet-erstklassig

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ARIS 10 SR2
RELEASE DETAILS

- ARIS Architect/ARIS Designer
- ARIS Aware
- ARIS Connect
- ARIS for SAP Solutions
- ARIS Process Governance (APG)
- ARIS Process Performance Manager (PPM)
- ARIS Governance, Risk & Compliance (GRC)

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PROCESS DESIGN & METHODOLOGY
METHOD & SEMANTIC CHECK EXTENSIONS

1

Modeling & Methodology

- Semantic check in ARIS Connect Designer (report-based)
- BPMN 2.0 Improvements
- OrgUnitType as additional lane type in BPMN

2

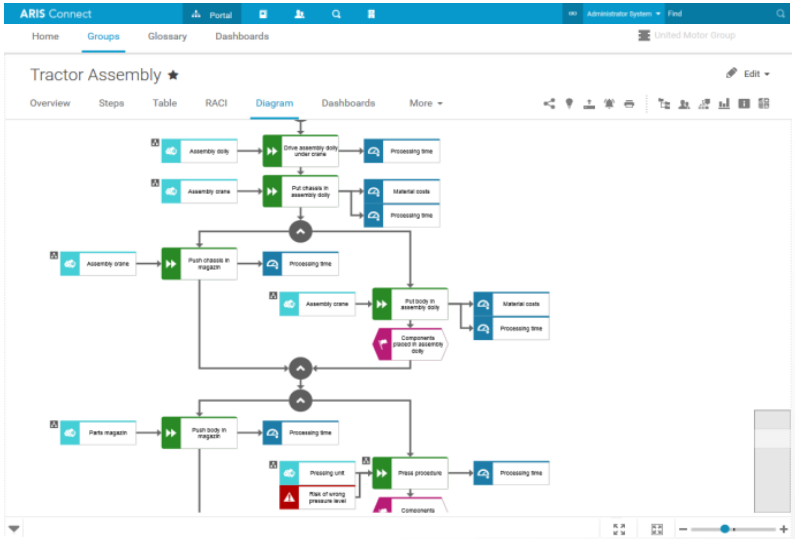
IoT-driven Business Transformation (ARIS for IoT)

- Official release of IoT methodology
- Import connectivity from Cumulocity (Software AG's Device Integration Platform)

3

And also …

- Sort table output of queries
- Move objects of table output to groups
- Minor improvements to report API (encrypted openDatabase)



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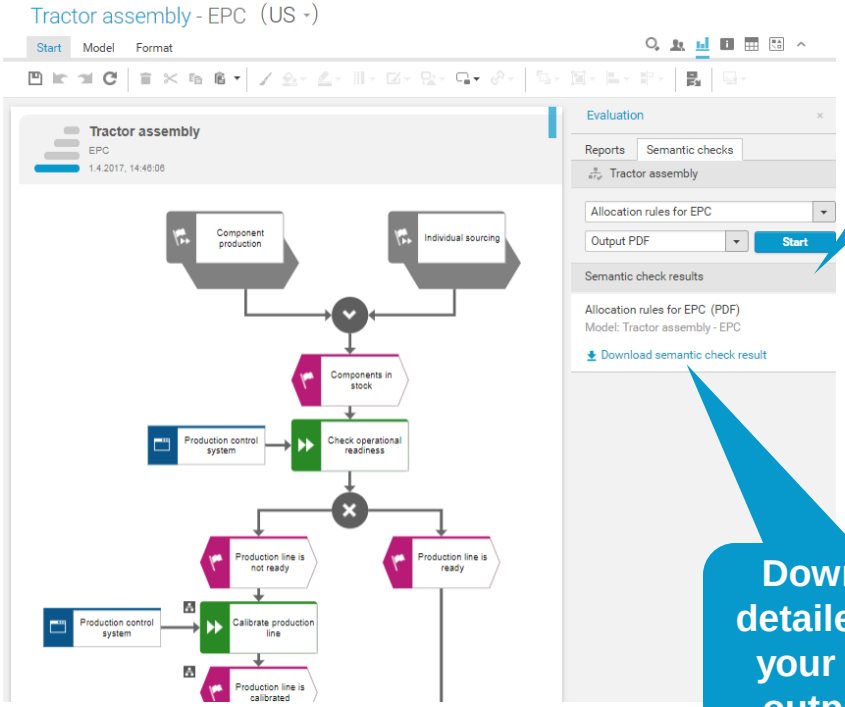
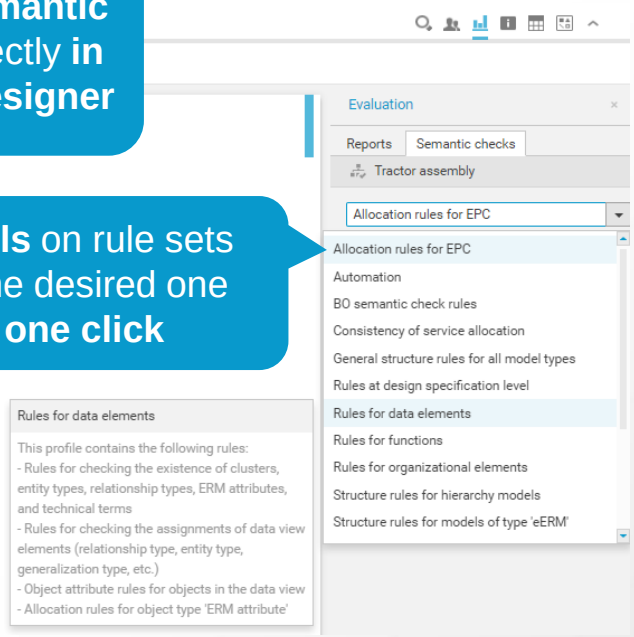
PROCESS DESIGN & METHODOLOGY
SEMANTIC CHECK IN CONNECT DESIGNER (REPORT-BASED)



Execute **semantic checks** directly **in Connect Designer**

Get the details on rule sets **and select** the desired one **with just one click**

Download the detailed result in your preferred output format



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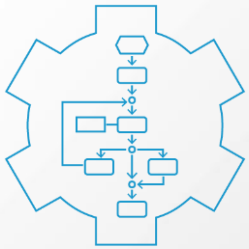
PROCESS DESIGN & METHODOLOGY
BPMN™ 2.0 IMPROVEMENTS

RANKED
as a BPMN 2.0 implementer
by OMG/MIWG (link)

import/export time
reduced up to
95%

improved
ROBUSTNESS
against violations of the
official standard

improved
ROUNDTRIP
support by preserving external
information (IDs, extensions)



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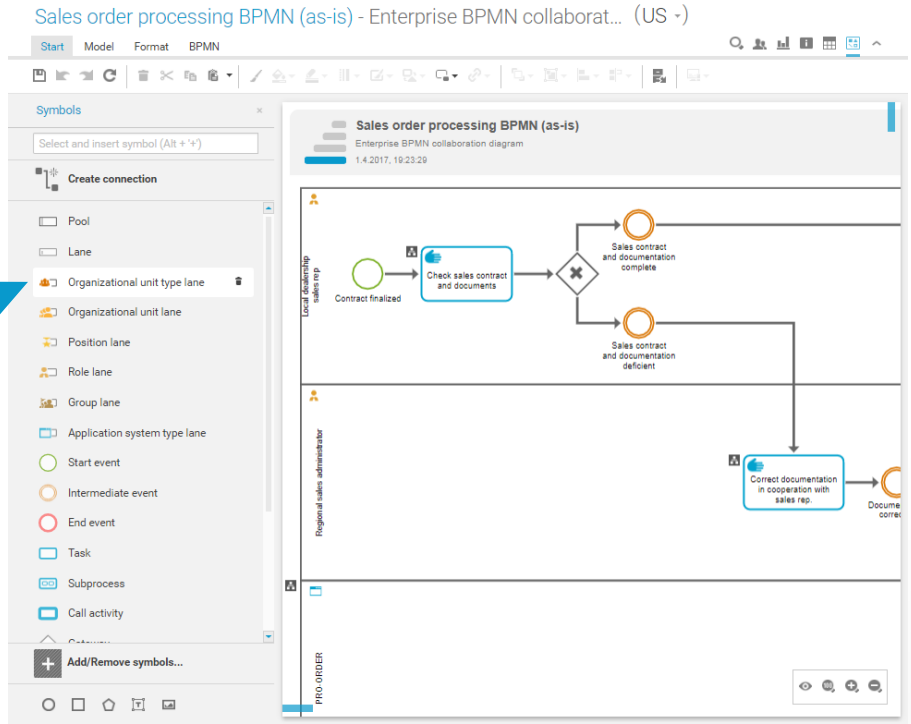
PROCESS DESIGN & METHODOLOGY
ORG-UNIT-TYPE AS ADDITIONAL LANE TYPE IN BPMN

Use **organizational units as lane type** in **E-BPMN** (as known valid for EPC as well)



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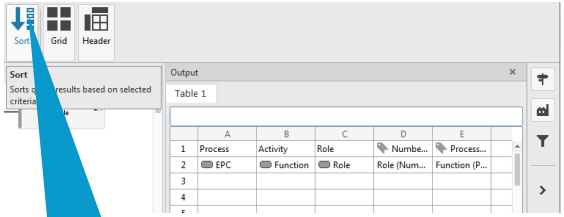
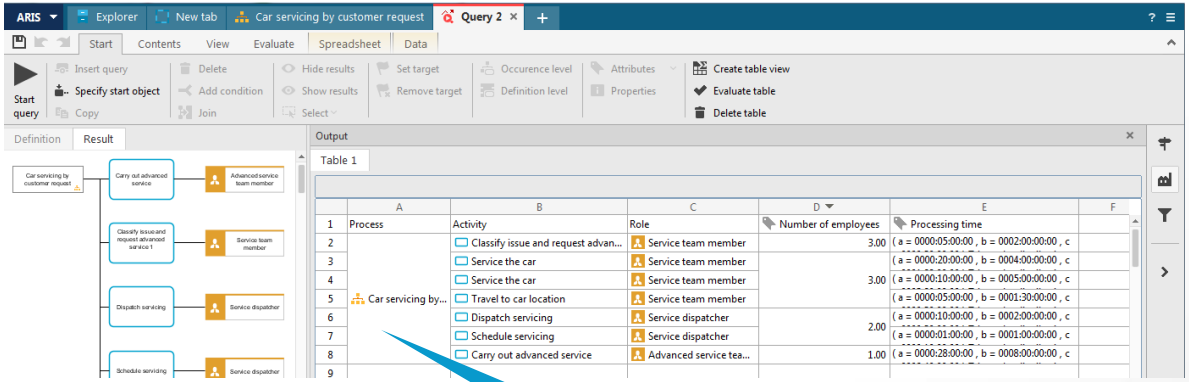
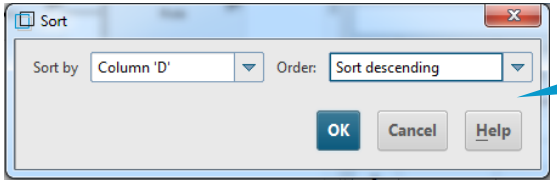
PROCESS DESIGN & METHODOLOGY
SORT TABLE OUTPUT OF QUERIES





Sort table output of a query



Define how to sort

Groups are kept in sorted table output

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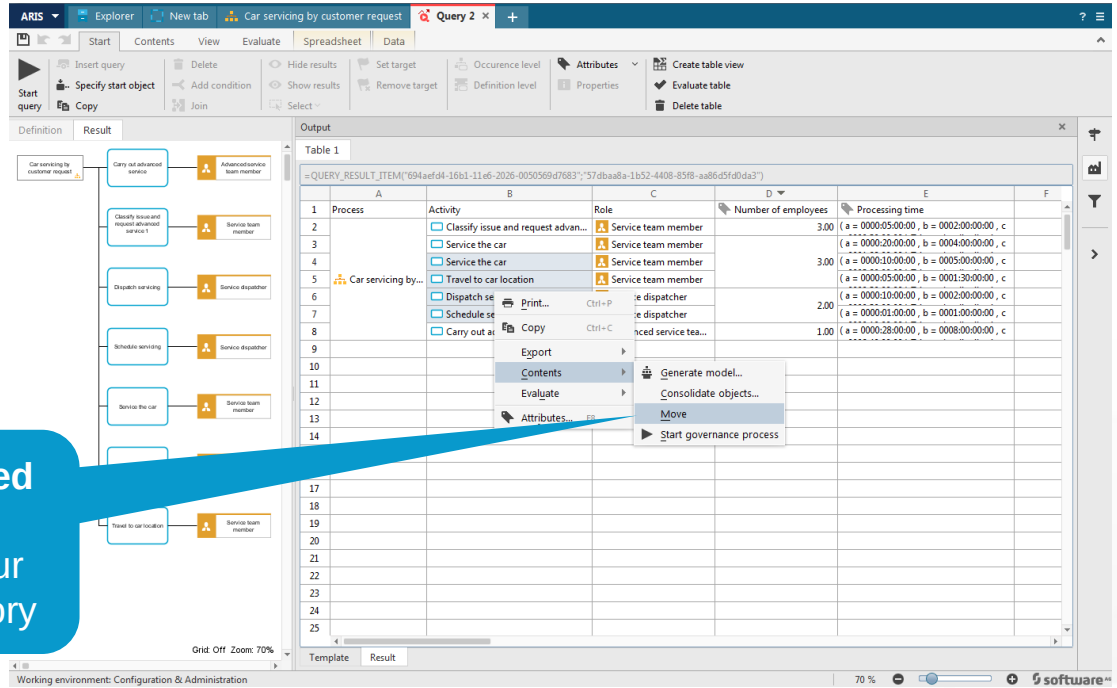
PROCESS DESIGN & METHODOLOGY
MOVE OBJECTS OF TABLE OUTPUT TO GROUPS

Use **queries to administrate** your ARIS repository.



Move selected objects to groups in your ARIS repository

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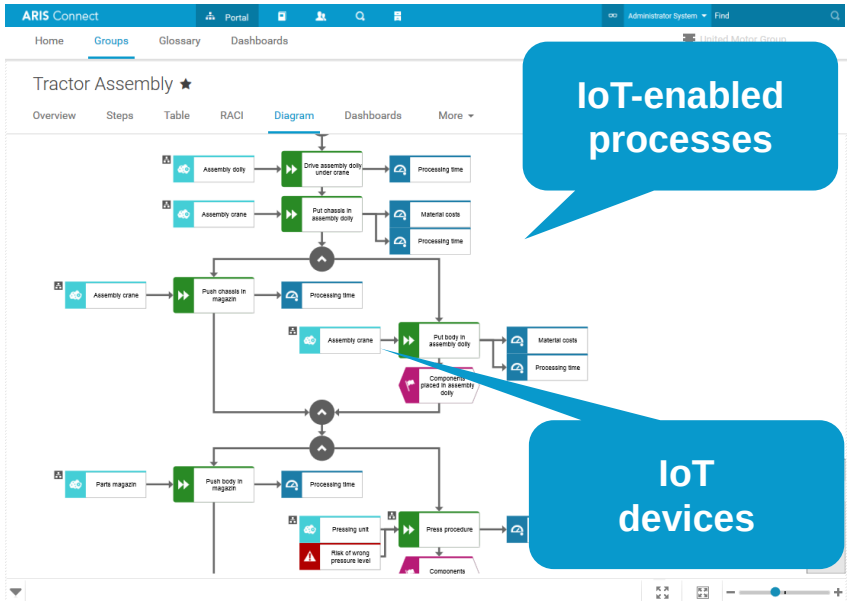
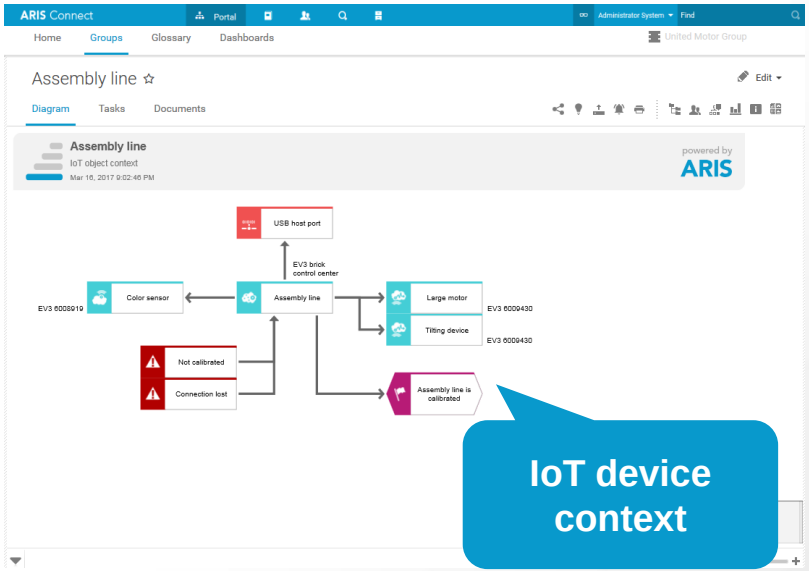
IOT-DRIVEN BUSINESS TRANSFORMATION WITH ARIS
CONNECT IOT TO BUSINESS PROCESSES

Combine and extend **business processes** definition with **IoT** objects.





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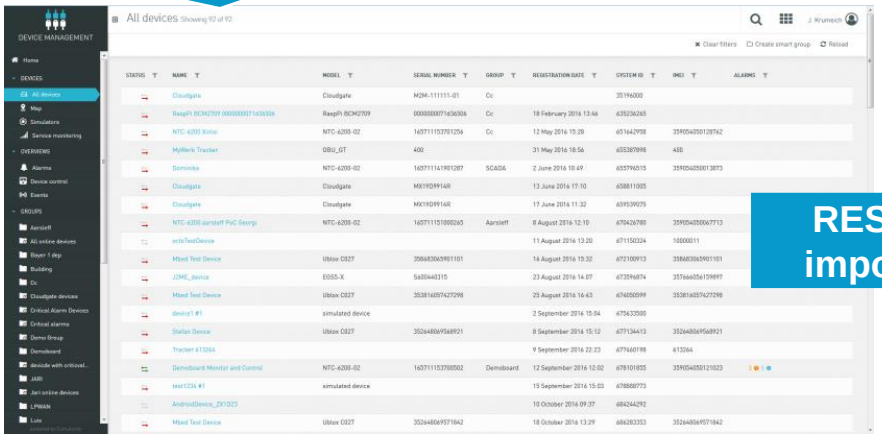
IOT-DRIVEN BUSINESS TRANSFORMATION WITH ARIS
INTEGRATED TOOLS: ARIS AND CUMULOCITY

01110
1001
011
10101

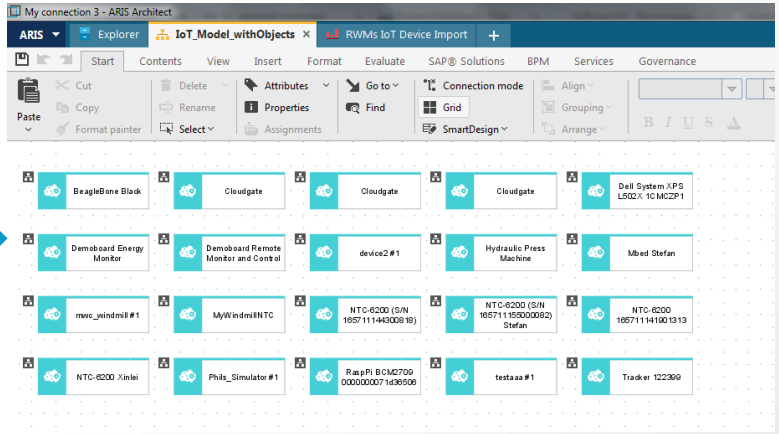
ARIS imports device definitions from **Cumulocity** to jump start IoT projects.

IoT objects managed in Cumulocity



REST import

ARIS



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CUSTOMER EXPERIENCE MANAGEMENT
REPORT AND DASHBOARD

Persona infographic

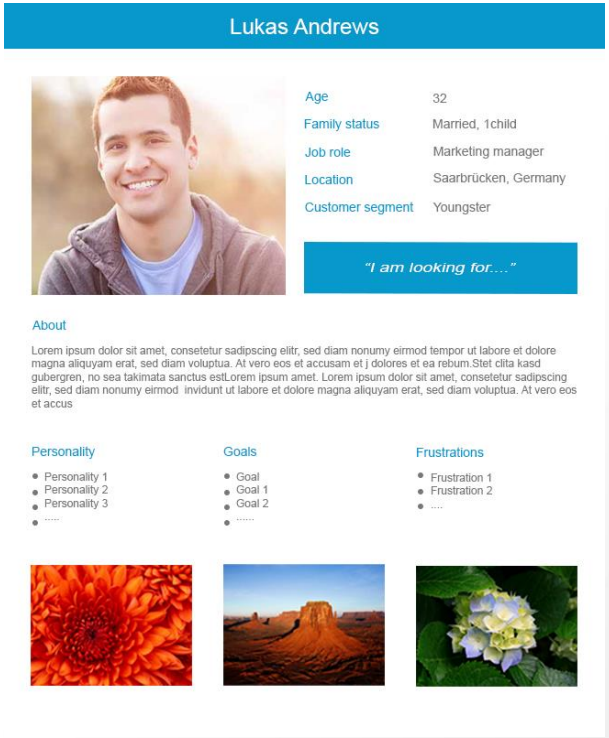
1

- Communication is key in customer experience management
- ARIS now provides a PDF infographic of a persona to show a customer's journey

Customer segmentation dashboard

2

- Keeps you on top of changes



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CUSTOMER EXPERIENCE MANAGEMENT
PERSONA, EMOTIONS AND SYSTEMS

Persona object

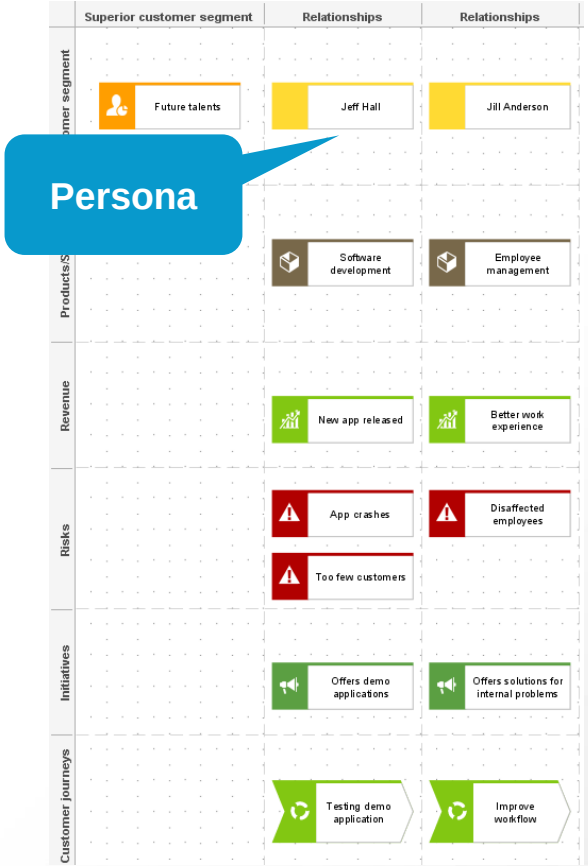
1

- Model persona with a new dedicated persona object type
- Can be added to the existing customer segmentation map

Emotion and system objects

2

- Depending on the journey, a touchpoint can have different emotions (new object type)
- New “systems” row on customer journey map reflects impact of a customer step on IT



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DIGITAL BUSINESS PLATFORM INTEGRATION
ARIS-ALFABET INTEROP/ARCHIMATE® 3.0

ARIS-Alfabet Interoperability

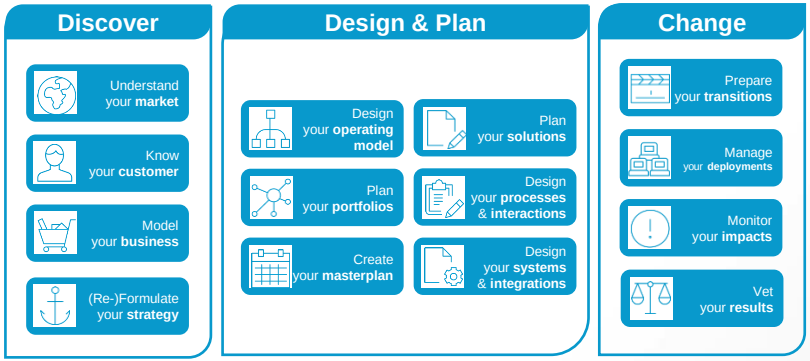
1

- Synchronization: Option to mark objects as deleted if they have been removed from Alfabet
- Metamodel mapping:
  - Up-to-date list of classes
  - New examples for demands, demand groups and information flows

ArchiMate 3.0

2

- Import and export of ArchiMate 2.1 and 3.0 files
- Migration macro (from ArchiMate 2.1 to 3.0)
- Filter with viewpoint definitions
- Demo database
- User guide



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ARIS AWARE
AWARENESS & INSIGHTS

Core Functionalities

1

- JDBC® as a data source
- Import/export feeds and dashboards

Reliability

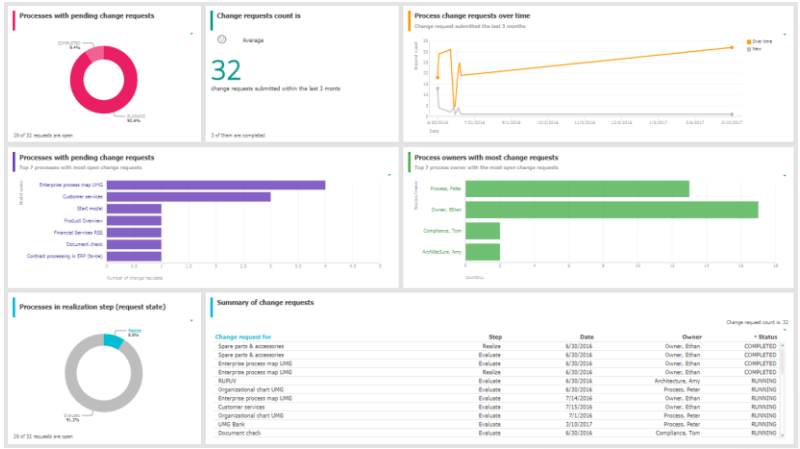
2

- Filtering between tabs
- Re-use widget data assignment as a data feed
- Action button
- Dual y-axis
- Jump from ARIS Aware to PPM, incl. SSO
- Localization of editor UI
- Responsive design polishing

Out-of-the-Box Content

3

- Introduce feed and dashboard templates
- Predefined group with OOTB dashboard access



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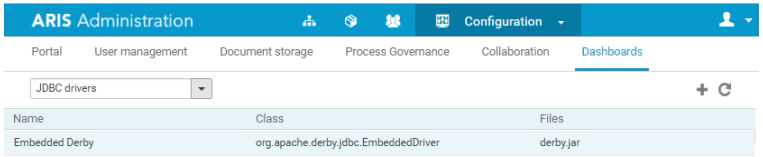
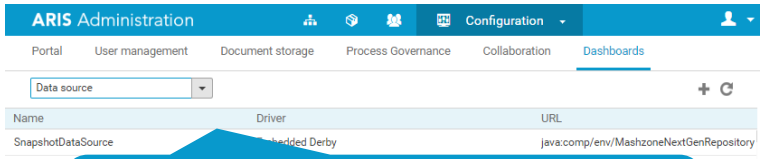
ARIS AWARE
JDBC® AS A DATA SOURCE

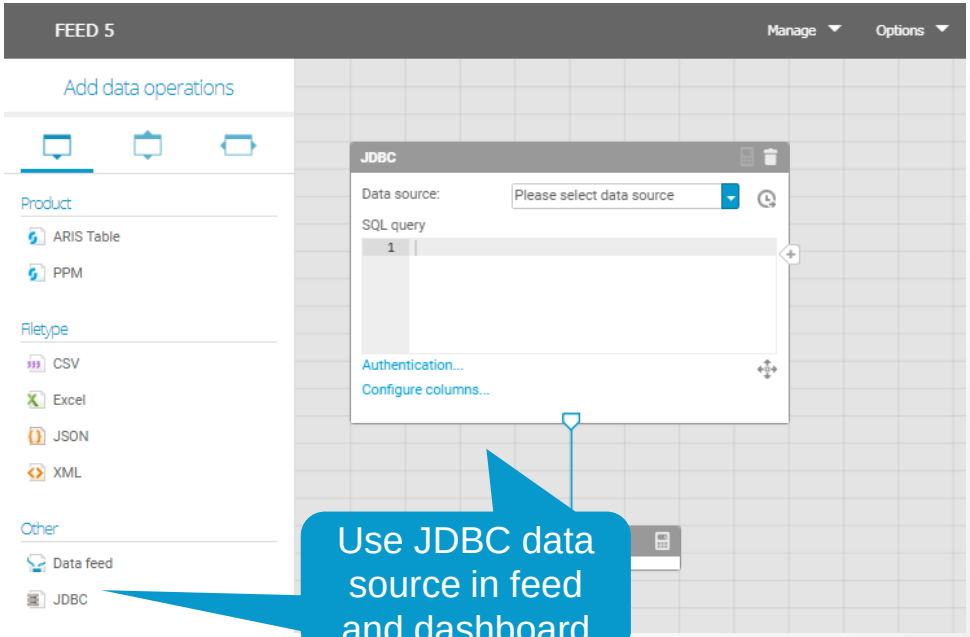
Directly **connect to databases** or **enterprise software** to **analyze** all relevant data for **one single point of truth!**

Use your preferred JDBC driver
(not delivered with ARIS Aware!)





Manage JDBC data sources at one single place



Use JDBC data source in feed and dashboard

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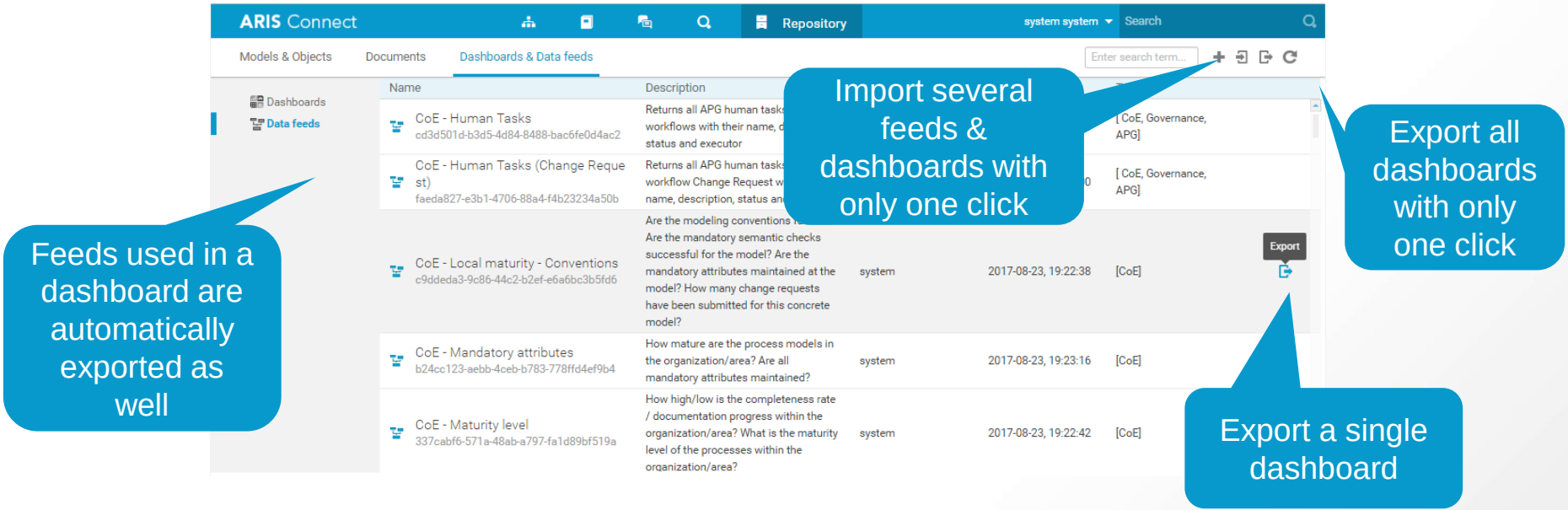
ARIS AWARE
IMPORT/EXPORT FEEDS AND DASHBOARDS

Work in **professional projects** and **re-use best practice dashboards & feeds.**



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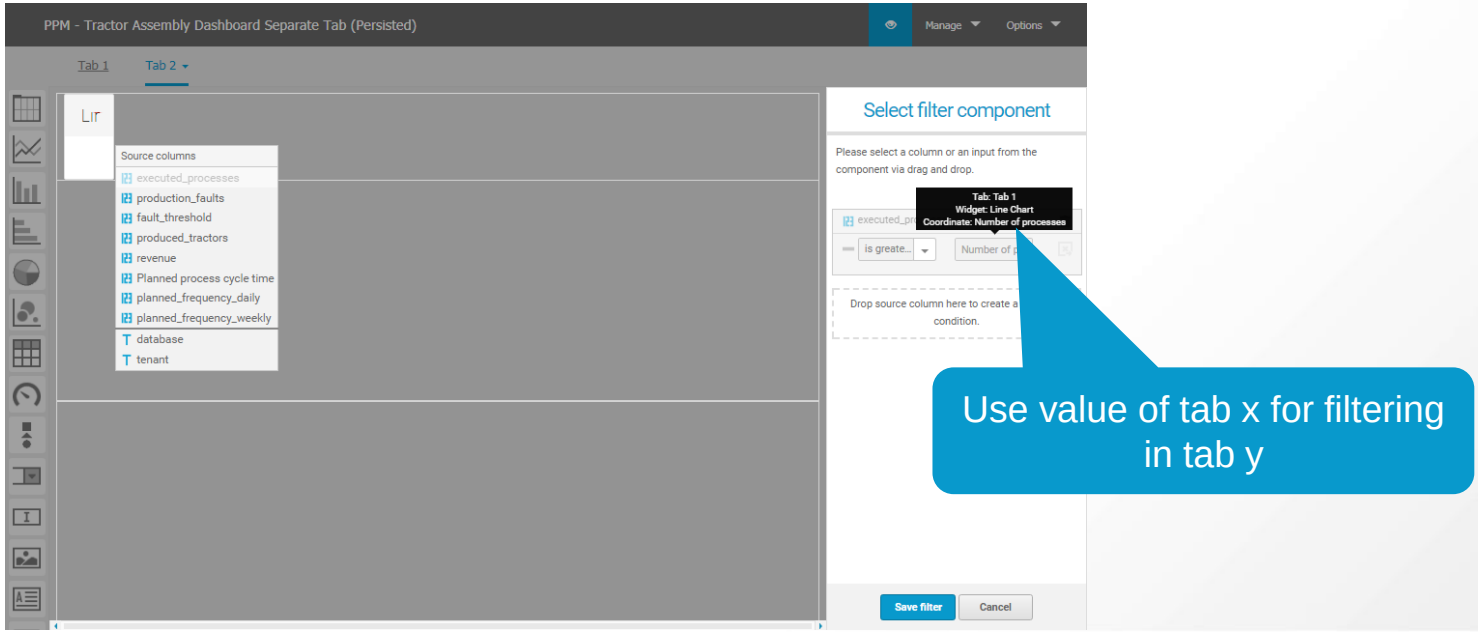
ARIS AWARE
FILTERING BETWEEN TABS

Multi-level analyses: deep dive into the details or cover **different perspectives with different tabs**.



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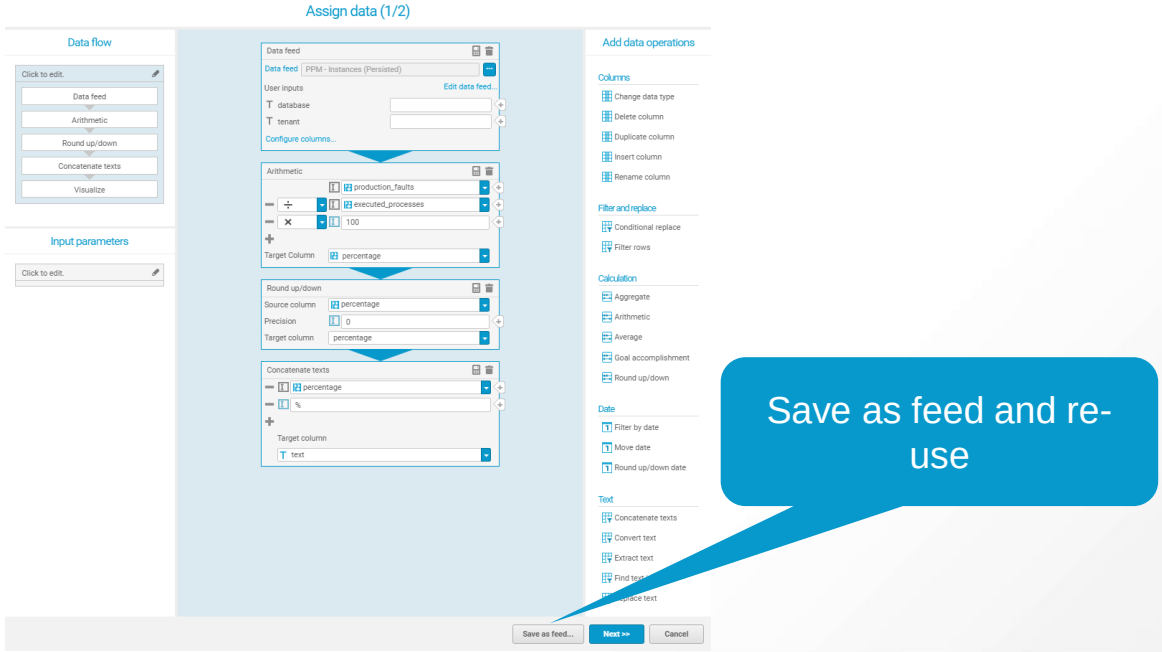
ARIS AWARE
RE-USE WIDGET DATA ASSIGNMENT AS A DATA FEED

Does it get more complicated when you add a “simple” data source?
“Save as feed” and simply re-use instead of rebuilding it manually!



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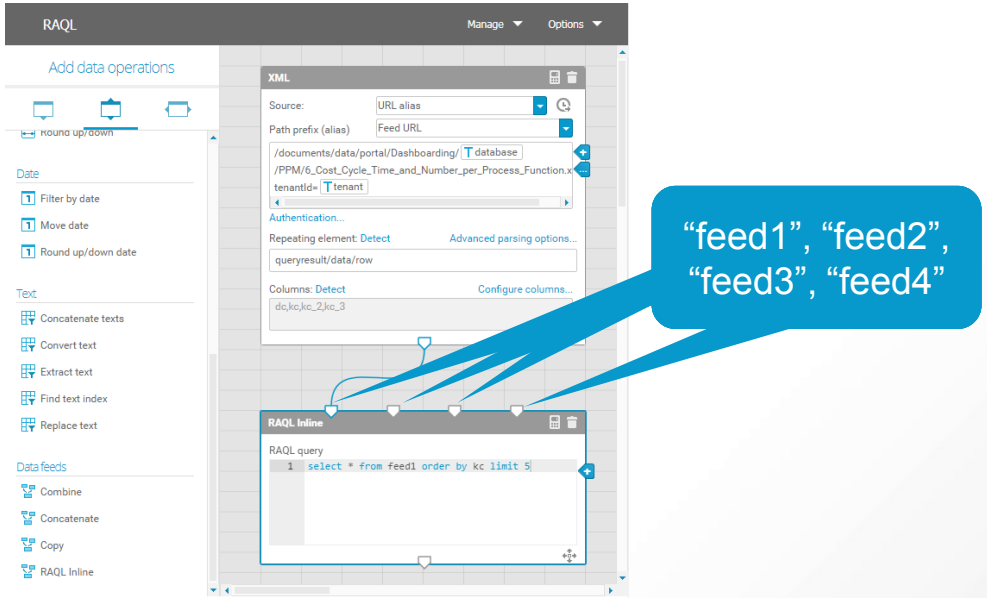
ARIS AWARE
RAQL OPERATOR IN FEED EDITOR

Advanced querying for data experts: Use **SQL-like** statements for data querying in dashboard feeds.

Details on how to use: [Official RAQL Query Syntax Reference]



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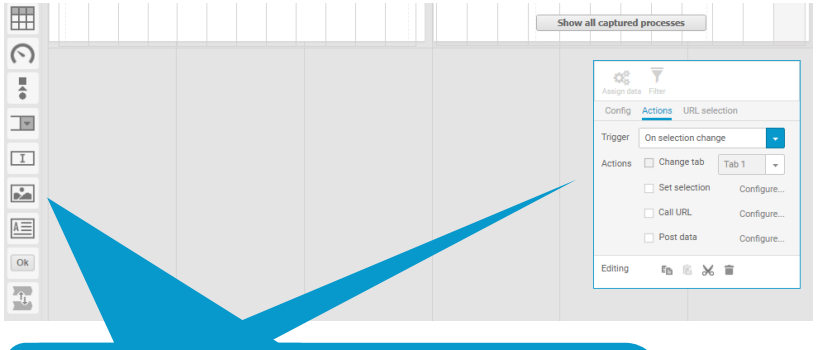
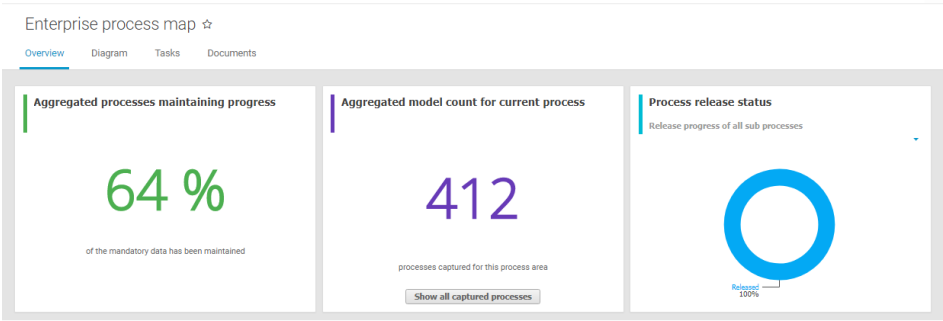
ARIS AWARE
ACTION BUTTON

More interactivity & flexibility with action buttons



Add action buttons to your dashboards:

- Change the dashboard tab
- Set several selections/filters with only one click
- Open URLs, either static or dynamic
- Post arbitrary data



More interactivity.
Jump to the details!

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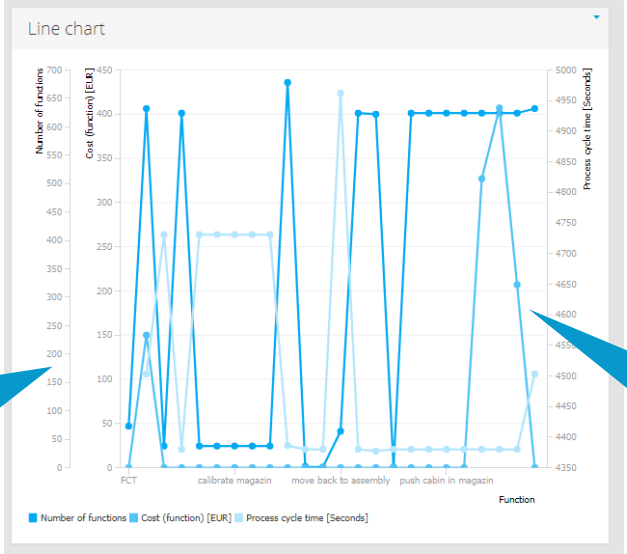
ARIS AWARE
MULTIPLE Y-AXIS

Present **different dimensions** of your business questions **in only one chart**.

For example, what's the average number of functions, cost and duration of a business process instance?



Multiple y-axis available for:

- **Line** chart
- **Bar** chart
- **Column** chart

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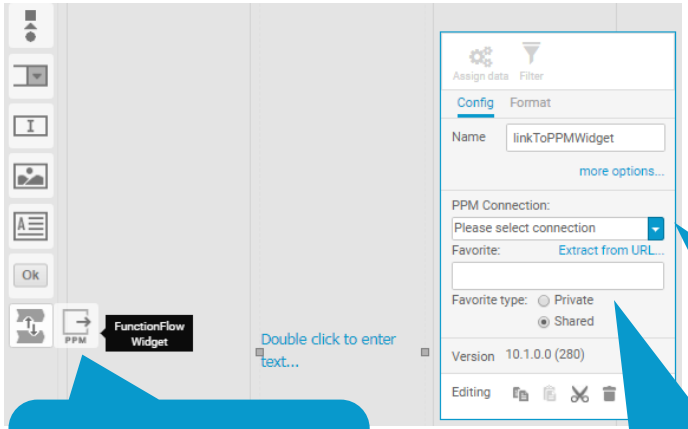
ARIS AWARE
JUMP FROM ARIS AWARE INTO ARIS PPM (INCLUDING SSO)

Connect the real process execution to the process model and get the facts in ARIS. Jump to PPM and analyze the instance details.

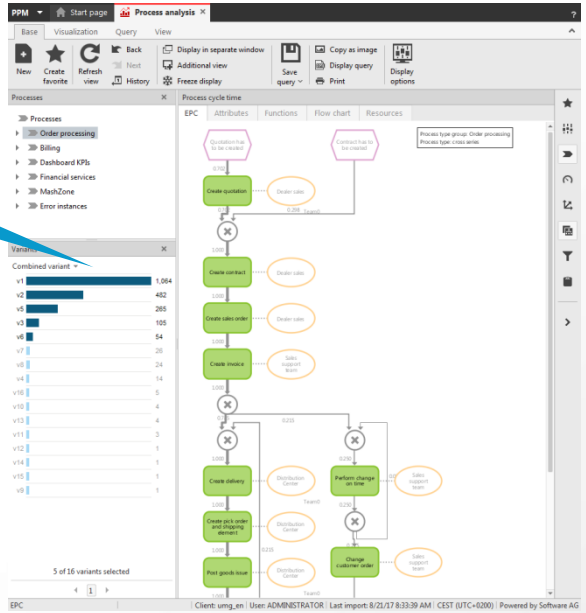


Separate widget for direct linking to PPM

Seamlessly switch from aggregated dashboard to the instance details

Use existing PPM connection managed in configuration

Use relevant **PPM favorite** for **individual use cases**



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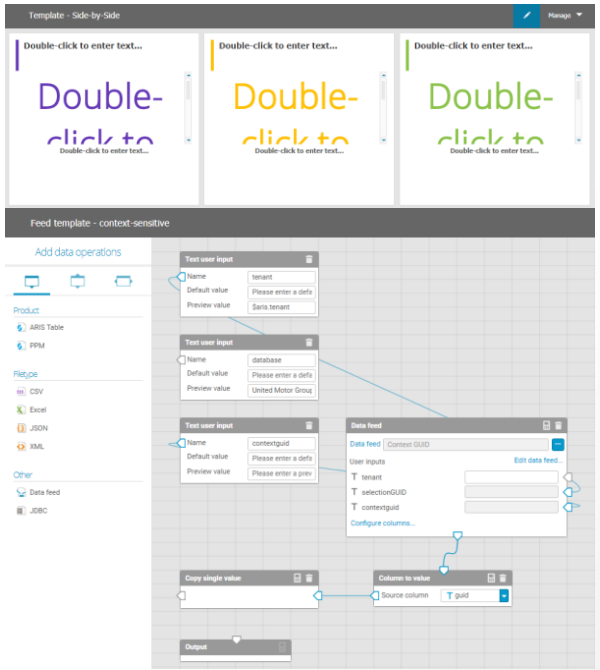
ARIS AWARE
FEED AND DASHBOARD TEMPLATES

Use **best practices** and **reduce** your **time-to-dashboard** with generic feed & dashboard templates:

- **Side-by-side dashboard**: Best practice pre-styled & contains all relevant context variables
- **Model-sensitive feed** template: Contains all feed elements required for model sensitivity
- **Context-sensitive feed** template: Contains all feed elements required for mode & object selection sensitivity



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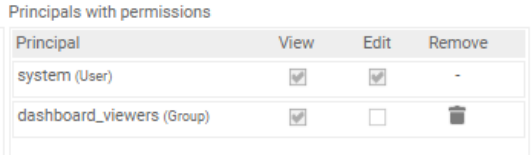
ARIS AWARE
MORE IMPROVEMENTS

Predefined group with OOTB dashboard access

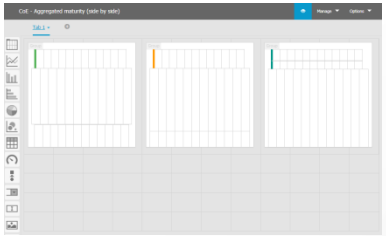


The group “*dashboard_viewers*” has access to all OOTB dashboard & feeds. Just create the group in UMC and assign your users!

Localization of editor UI

Feed & dashboard editor now supports all ARIS Connect languages (except Swedish)

Responsive design polishing



- Align height of rows
- Move widgets and keep cell span area
- Improved selection of widgets (when it’s too small)

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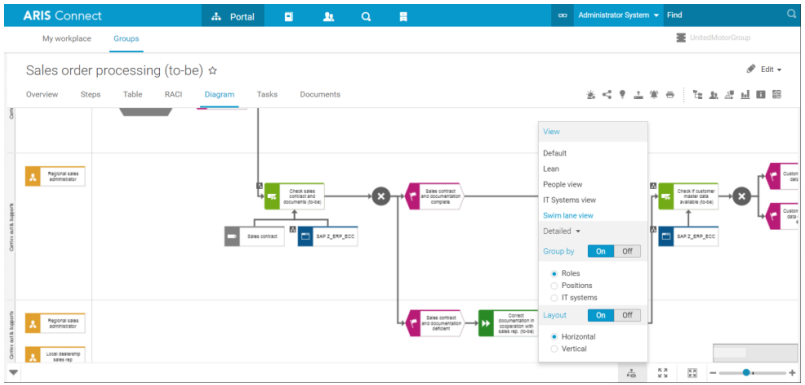
ARIS CONNECT
BEST-IN-CLASS ENTERPRISE MANAGEMENT SYSTEM (EMS)

1 EMS/Viewing

- End-user friendly model views (e.g., lean or swimlane view) for better understanding
- MyContent quick search based on role/location of a user
- Document storage: SharePoint 2016 support; integration of multiple SharePoint instances
- Develop 3rd party components based on plug-in registry



2 User Experience/User Interface

- Improvement of the ARIS Connect user interface (home view, glossary)
- Several usability improvements (e.g., search, auto-following)

3 Administration

- LDAP: Support of multiple LDAP/AD systems
- User management: Handling improvements for larger user groups (auto-import into user group)

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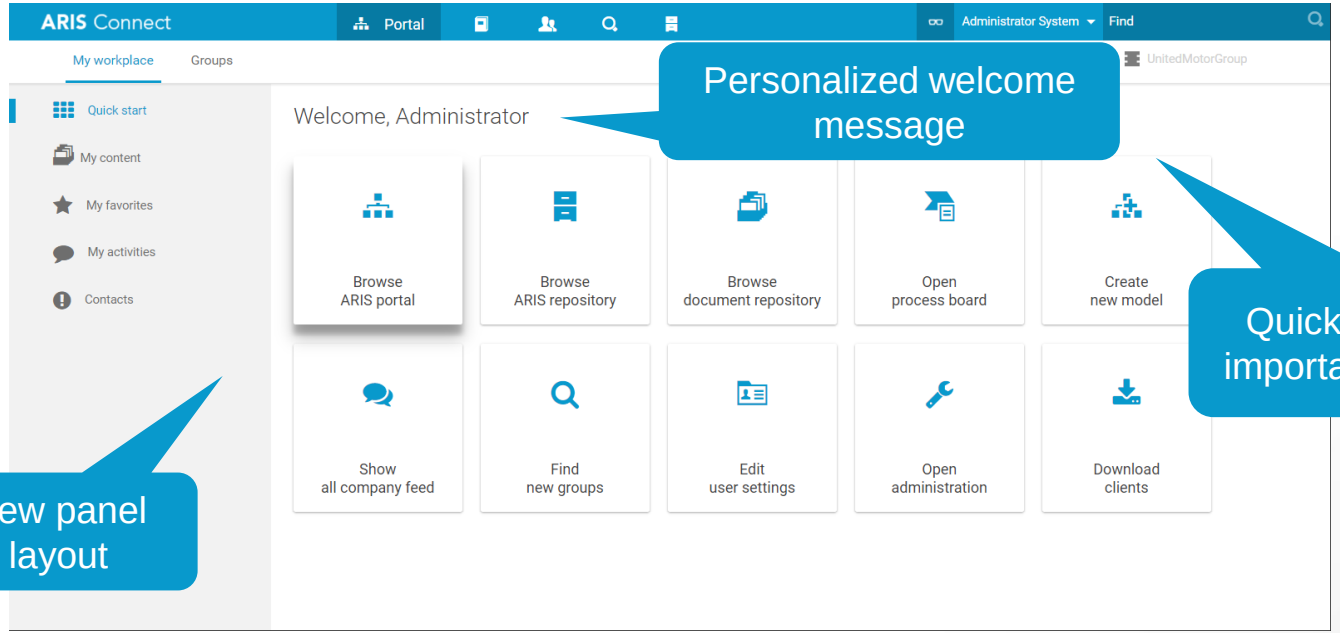
ARIS CONNECT
NEW HOME VIEW FOR YOUR EMS*

When entering ARIS Connect/ARIS Cloud, a new and streamlined **home view** welcomes you. From here, quickly navigate into the section of interest (e.g., My content).



*This feature is also available for ARIS Cloud Advanced

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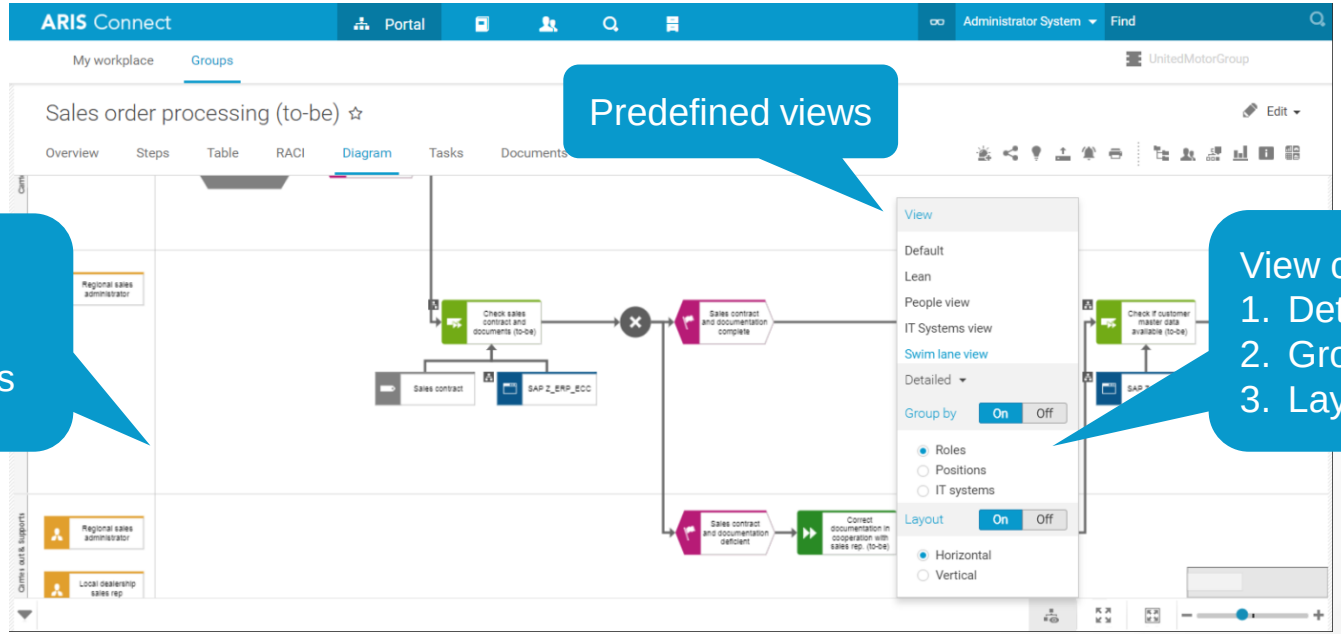
ARIS CONNECT
CREATE YOUR OWN VIEW AND CHANGE PERSPECTIVES*

Simply change the **view** of a model if interested in specific aspects of a model or to see it simple with less detail.



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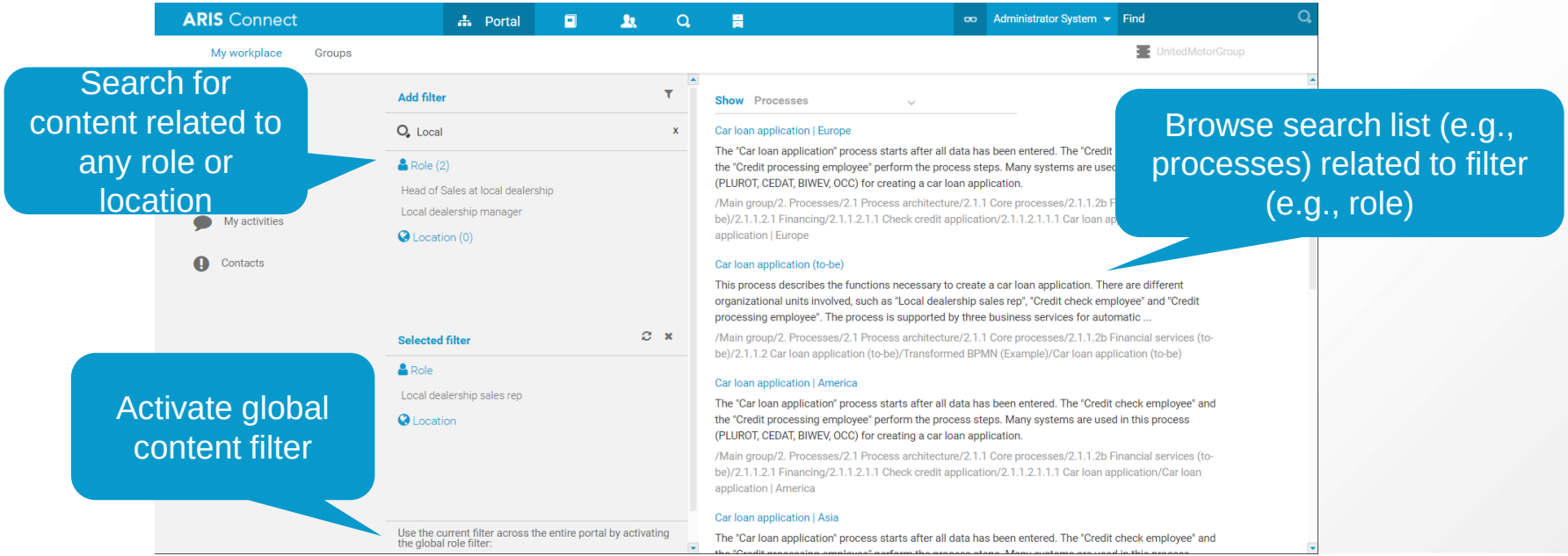
ARIS CONNECT
MY CONTENT GETS USERS TO THEIR CONTENT FASTER

Users can now easily navigate to viewable content by **role** or **location**. This helps them **navigate faster** to what is interesting to them and **filter unrelated content**.



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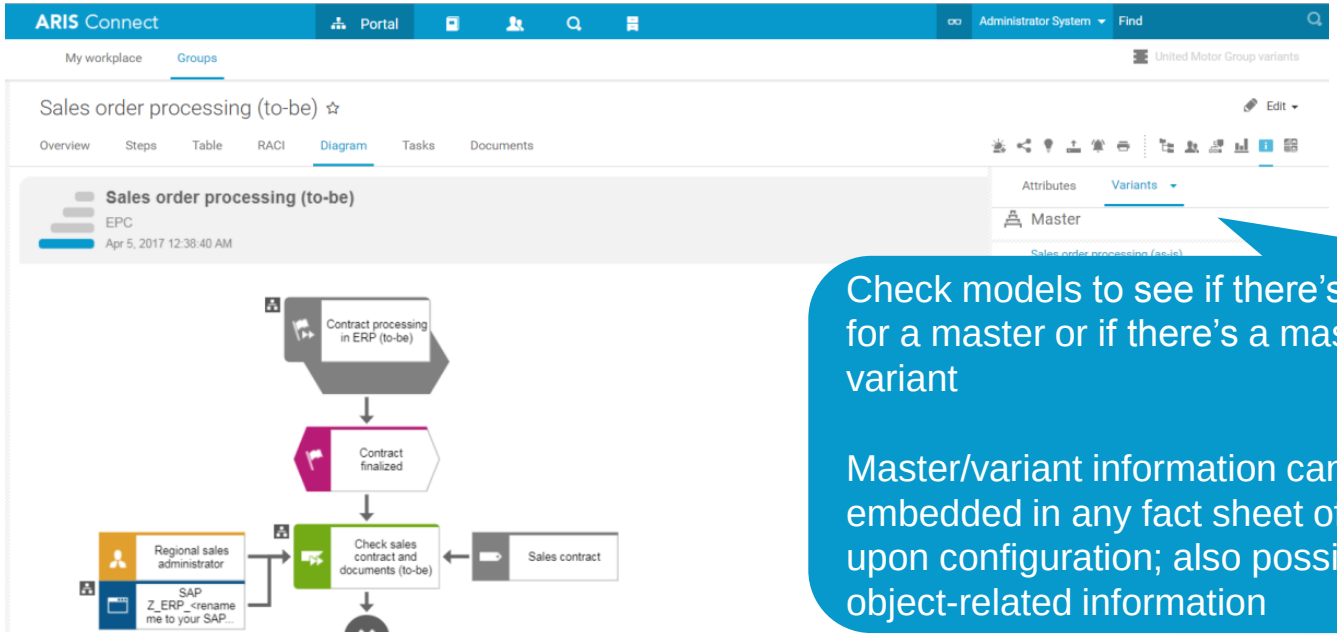
ARIS CONNECT
MASTER/VARIANT INFORMATION DISPLAYS DEPENDENCIES

Display **master/variant information** in the portal.



Check models to see if there's a variant for a master or if there's a master for a variant

Master/variant information can be embedded in any fact sheet of a model upon configuration; also possible for object-related information

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ARIS CONNECT
PLUG-INS MAKE YOUR EMS FLEXIBLE

You can easily add, remove and deactivate your **own plug-ins*** as a part of your Enterprise Management System.

Step 1 - Registration

To be able to work with custom plug-ins, developers have to be registered. They get a certificate that entitles them to run custom plug-in code within the ARIS Connect portal.

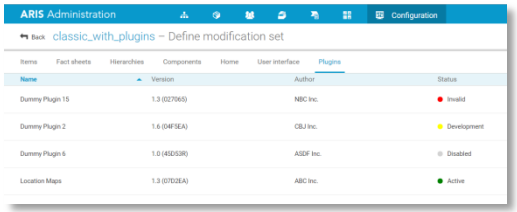
Step 2 - Activation

As a part of the self-service configuration, plug-ins can be activated or disabled; without a certificate, new plug-ins are automatically disabled after 2 weeks.

Step 3 – Usage

Users can now work with the plug-in as a part of their portal environment. This can be for various purposes, such as news and chats.

From idea to code development



Plug-in 1	Plug-in 2
Plug-in 3	…

* Plug-in developers and buyer have the duty to take care of continuous plug-in maintenance; Software AG cannot be responsible for 3rd party code that is being developed by non-Software AG R&D developers.

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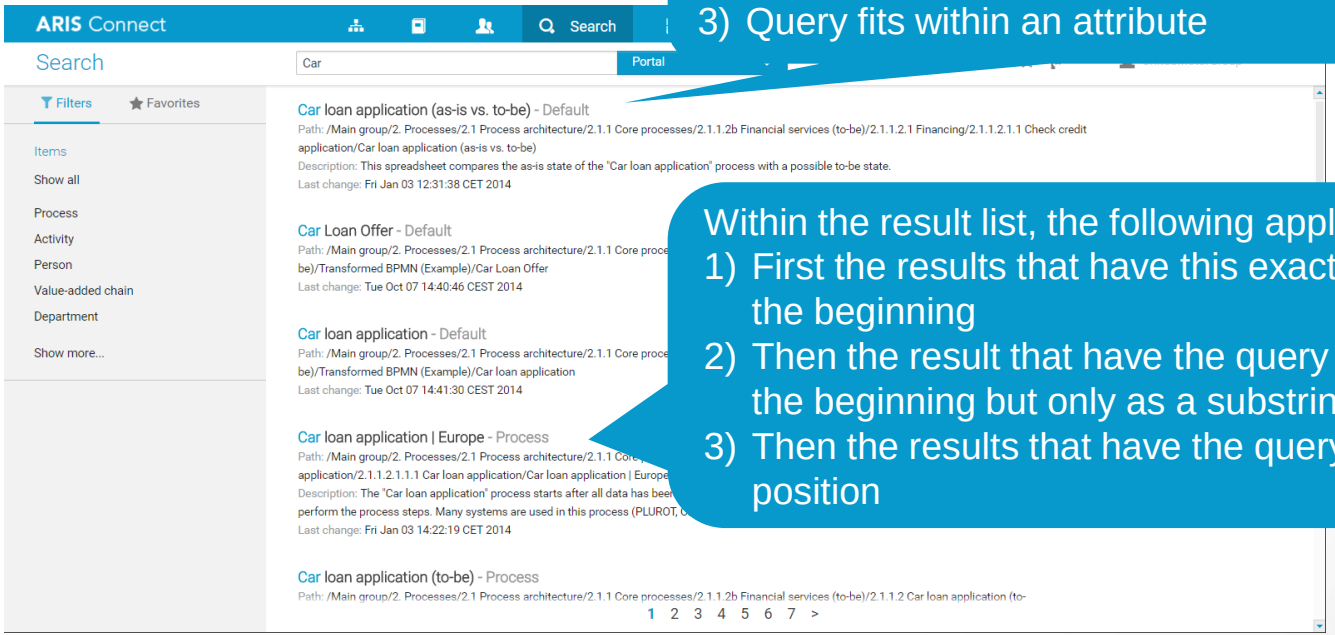
ARIS CONNECT
SEARCH ORDER IS OPTIMIZED* FOR BETTER RESULTS

Here are the improvements:

The overall search sorting takes into consideration:
1) Query fits into name (login language)
2) Query fits into name (fallback language)
3) Query fits within an attribute



Within the result list, the following applies:
1) First the results that have this exact query on the beginning
2) Then the result that have the query in the beginning but only as a substring
3) Then the results that have the query on a later position

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ARIS 10 SR2
RELEASE DETAILS

- ARIS Architect/ARIS Designer
- ARIS Aware
- ARIS Connect
- **ARIS for SAP Solutions**
- ARIS Process Governance (APG)
- ARIS Process Performance Manager (PPM)
- ARIS Governance, Risk & Compliance (GRC)

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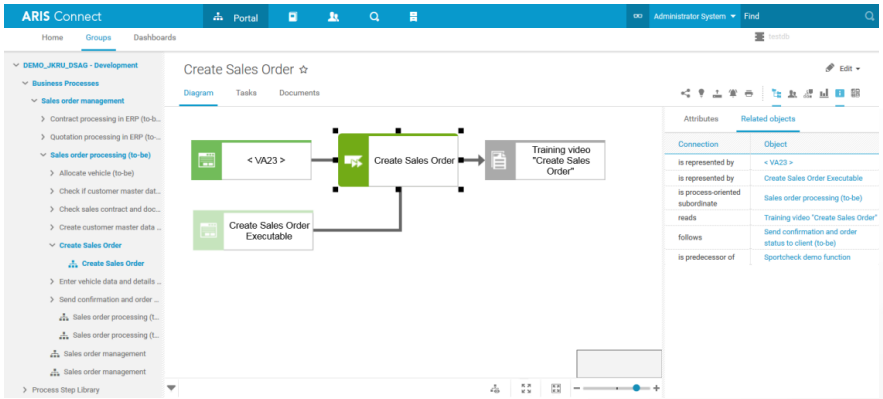
ARIS FOR SAP® SOLUTIONS
EXTENDED SUPPORT OF SAP® SOLUTION MANAGER 7.2

1

Extended synchronization with SAP Solution Manager 7.2

- Synchronization of process diagrams from ARIS to SAP Solution Manager 7.2
- Choose and synchronize documents from ADS and SharePoint to Solution Manager
- Extended handling of documents in SAP Solution Manager (upload, change, remove)
- Occurrence copies in E-BPMN models



2

Usability improvements with SAP Solution Manager 7.2

- Aggregated view on library objects
- Improved synchronization settings

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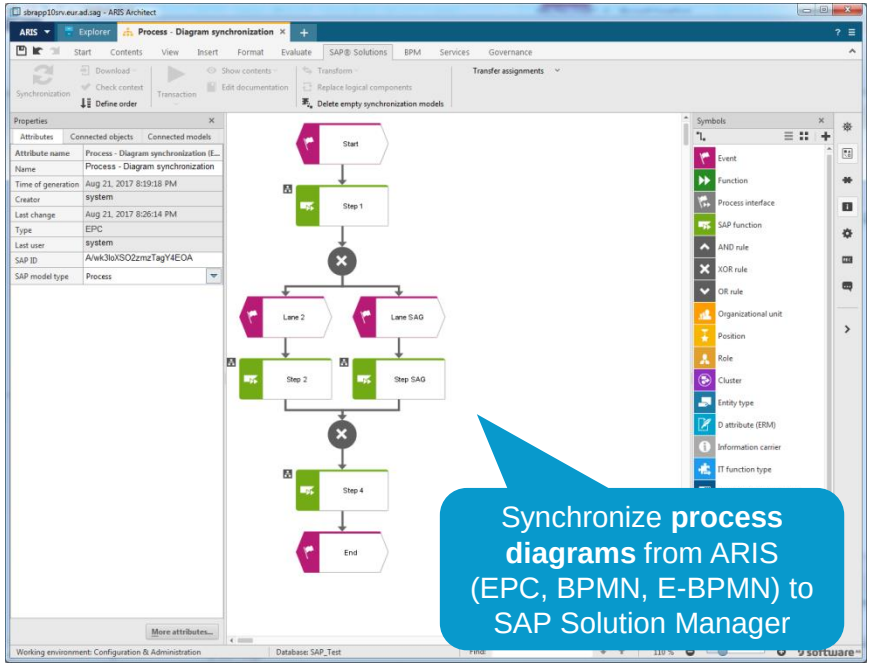
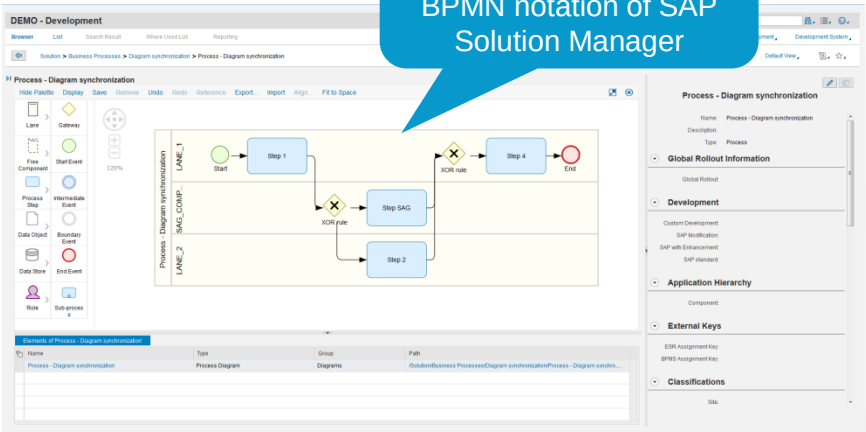
ARIS FOR SAP® SOLUTIONS
SYNCHRONIZATION OF PROCESS DIAGRAMS



Synchronization to SAP Solution Manager 7.2



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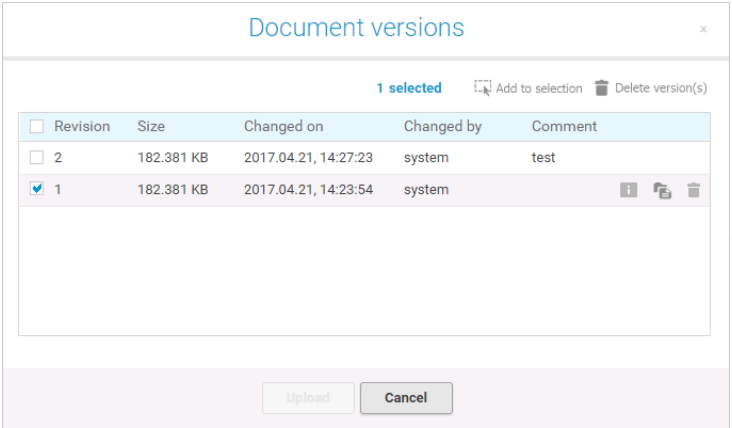
ARIS PROCESS GOVERNANCE (APG)
WORKFLOWS, DIALOGS & ADMINISTRATION

1 Workflow & Dialogs

- Execute custom approval workflows in ARIS Connect Designer
- Theming second-level dialogs
- Web user interface can be themed in one place. Second-level APG dialogs are included into the global theming as well.

2 Administration & Local Service

- Process administration: variable monitoring of current value and history of any variable
- Access to user's phone number via the local service API of AP



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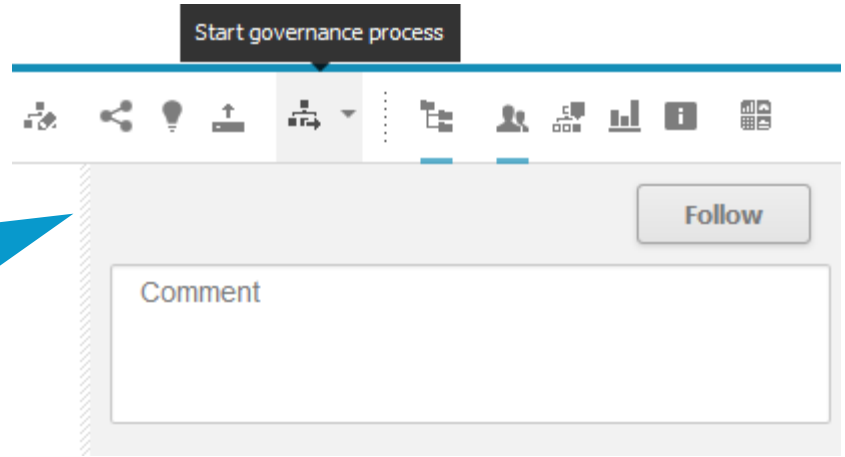
APG – ARIS CONNECT DESIGNER
EXECUTE CUSTOM APG WORKFLOWS



Model reopens in **write-protected mode** in order to start the workflow

This option can be **activated/deactivated** during the design time of the workflow to ensure flexibility

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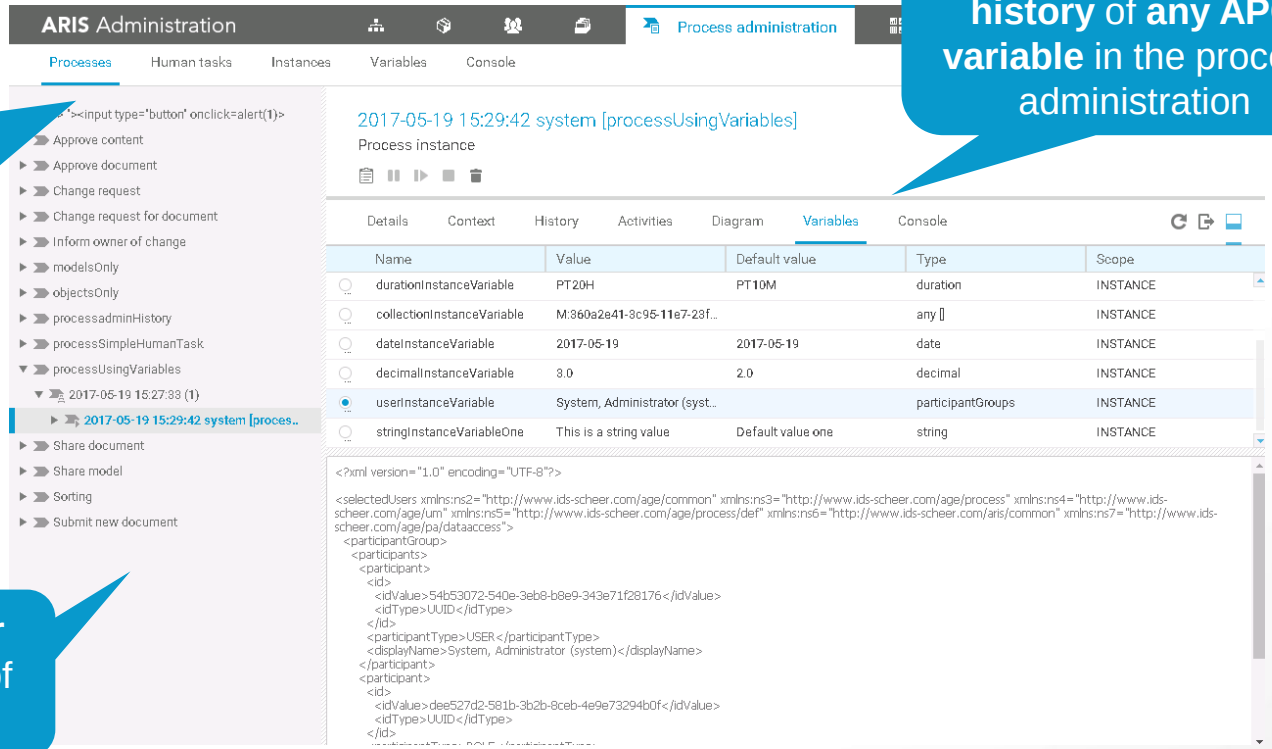
APG - PROCESS ADMINISTRATION
VARIABLE MONITORING

Monitor system variables, process variables or instance variables

Users can now **monitor** the **current value** and **history** of **any APG variable** in the process administration



Leads to **faster development** of APG solutions

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ARIS PROCESS PERFORMANCE MANAGER (PPM)
INTEGRATED PROCESS MINING

ARIS PPM Extended Analytics Functionalities

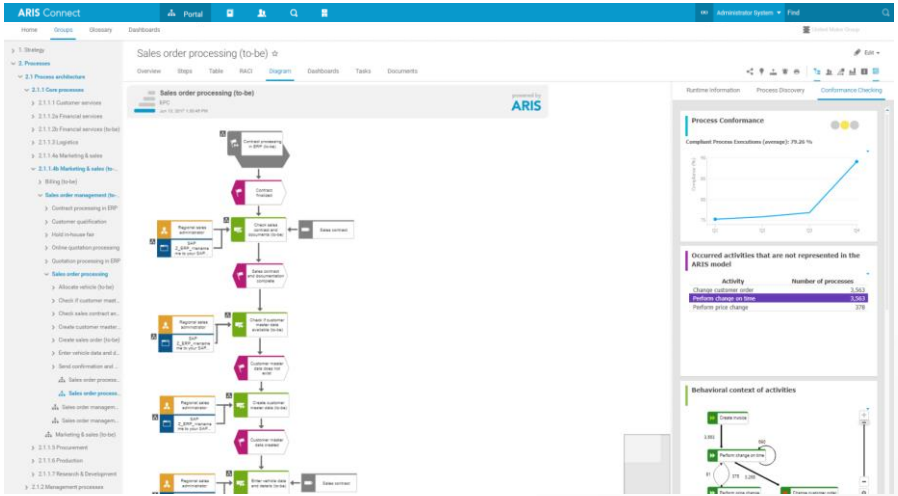
1

- Process variant mining to identify frequent execution sequences and focus analyses
- Integrated process mining via conformance check of as-is vs. to-be processes
- Function flow visualization improvements and further extended analysis functionalities

Improved Dashboard Integration

2

- Switch from ARIS Aware to PPM (incl. SSO)
- Switch from MashZone NextGen to PPM (incl. SSO)
- Switch from PPM to MashZone NextGen
- Dedicated MashZone NextGen - PPM Edition



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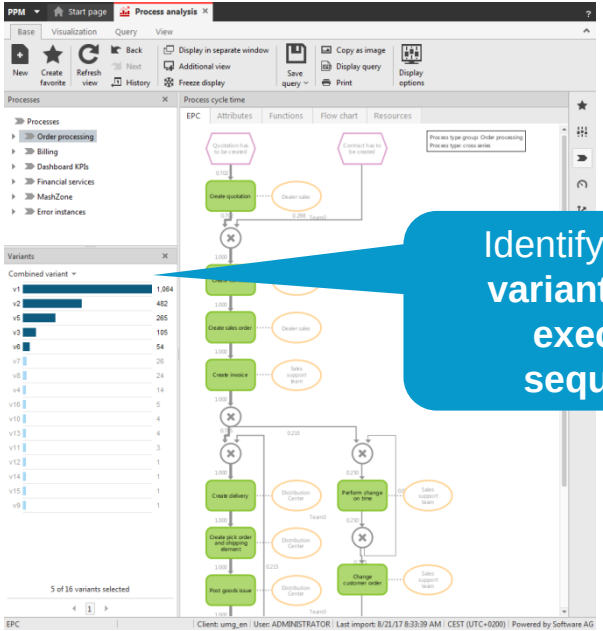
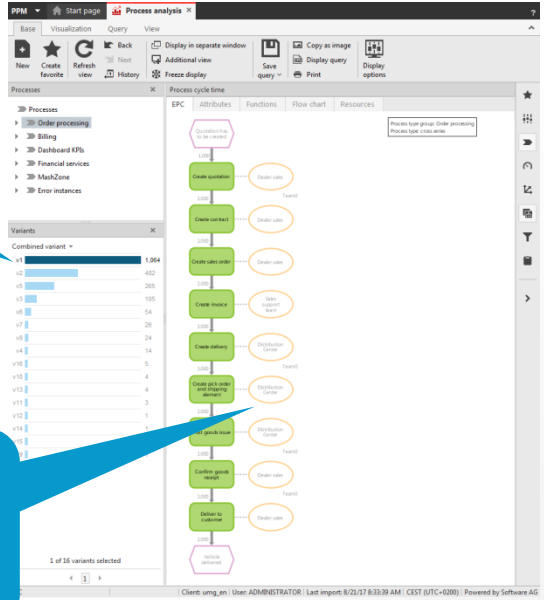
ARIS PROCESS PERFORMANCE MANAGER (PPM)
PROCESS VARIANT IDENTIFICATION



Identify **process variants** in your **execution sequences**

Analyze the most frequent **process variants** to focus your analyses



Identify the most **frequent** process behavior and export it to ARIS as a standard process

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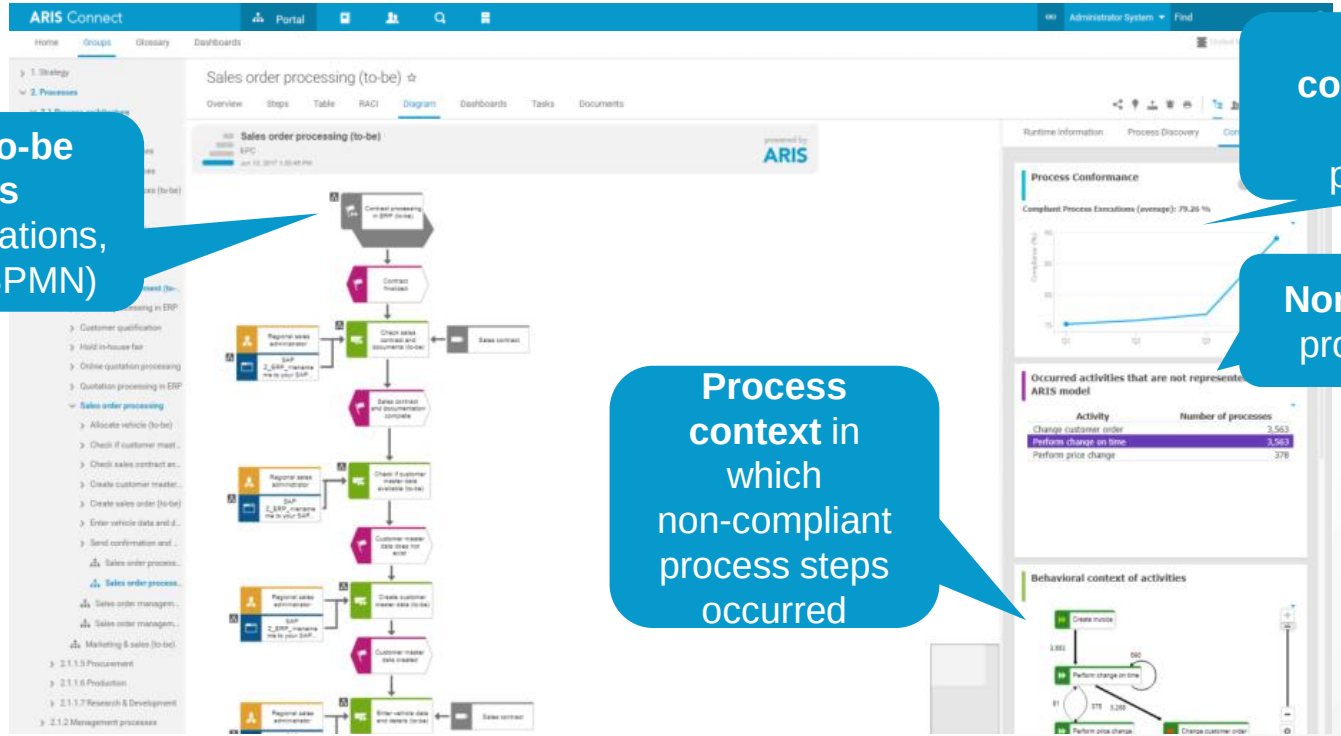
ARIS PROCESS PERFORMANCE MANAGER (PPM)
CONFORMANCE CHECKS WITH ARIS AWARE



Modeled to-be process (arbitrary notations, e.g., EPC, BPMN)

Process conformance of as-is processes

Non-compliant process steps

Process context in which non-compliant process steps occurred

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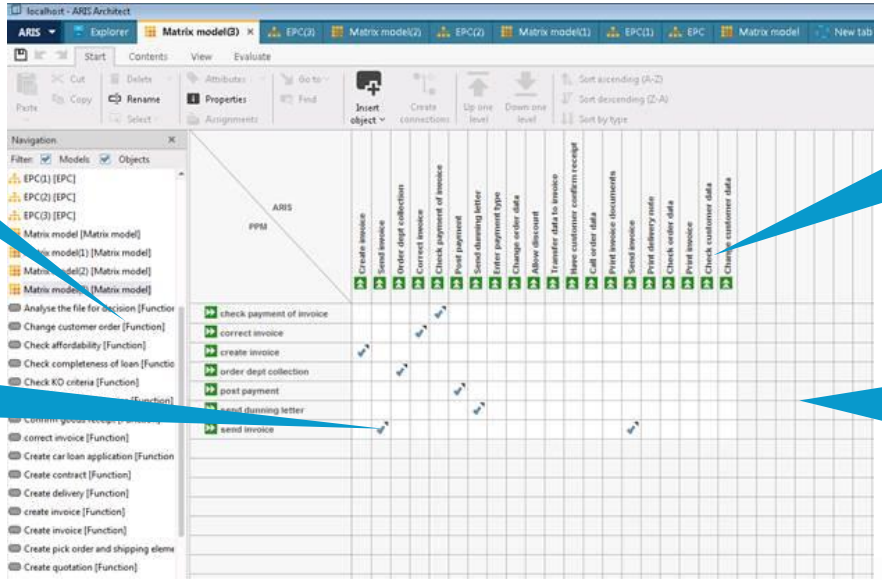
ARIS PROCESS PERFORMANCE MANAGER (PPM)
ARIS ARCHITECT/DESIGNER: AS-IS/TO-BE ALIGNMENT

Activities measured by **PPM**

Interdependencies between as-is and to-be



Activities of models **originally planned** in **ARIS**

Mapping of as-is and to-be activities as a basis for conformance checks

Import measured PPM processes into ARIS

Map measured activities to modeled activities

Analyze as-is vs. to-be processes in ARIS Aware

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GOVERNANCE, RISK & COMPLIANCE (GRC)
GDPR, REPORTING, FIRST-LINE GRC, USABILITY

1 GDPR (General Data Protection Regulation)

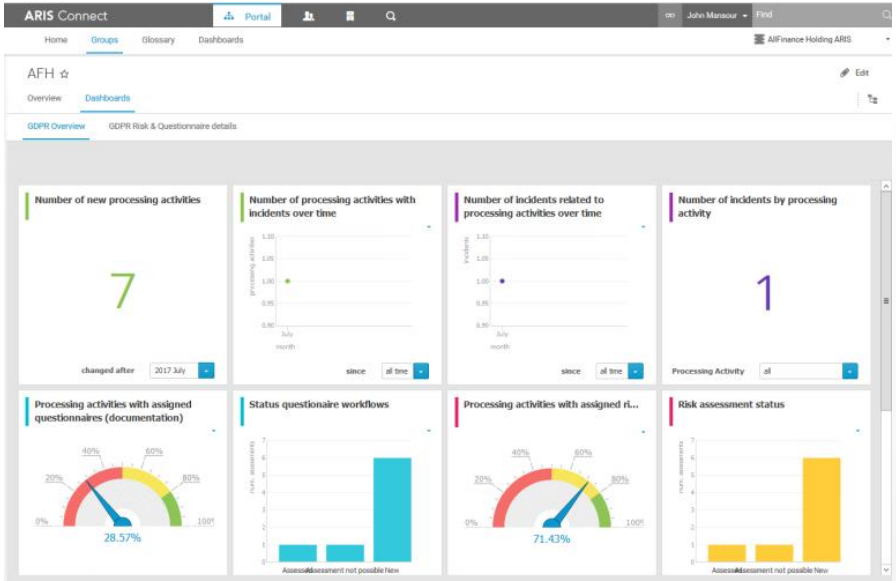
- New modeling and documentation capabilities for recording of processing activities
- Analytics with ARIS Aware
- Enhancement of ARIS Risk & Compliance Manager (ARCM) capabilities for specific GDPR requirements (e.g., survey, risk assessment)
- GDPR management report
- GDPR fact sheets for ARIS Connect

2 Finalize Integrated Reporting

- Improved analytical and reporting capabilities for survey management

3 Prepare First-Line GRC

- Improved GRC-related fact sheets including use-case-based dashboards (GDPR)
- Closer integration with ARIS Connect: access, start and maintain ARCM workflows/forms



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GOVERNANCE, RISK & COMPLIANCE (GRC)
ARIS ACCELERATORS FOR GDPR

Look for these **features**:

- New filter (conventions to document processing activities and GDPR-relevant qualification of systems, processes and data)
- Method extensions for processing activities, including risk assignment and data privacy classification attributes
- New ARIS and ARCM analysis and management reports
- New fact sheets for ARIS Connect for maintaining processing activities
- An out-of-the-box technical term model with detailed GDPR content
- Out-of-the-box example questionnaire templates (documentation and qualification)
- GDPR-specific impact type for risk assessment in ARCM

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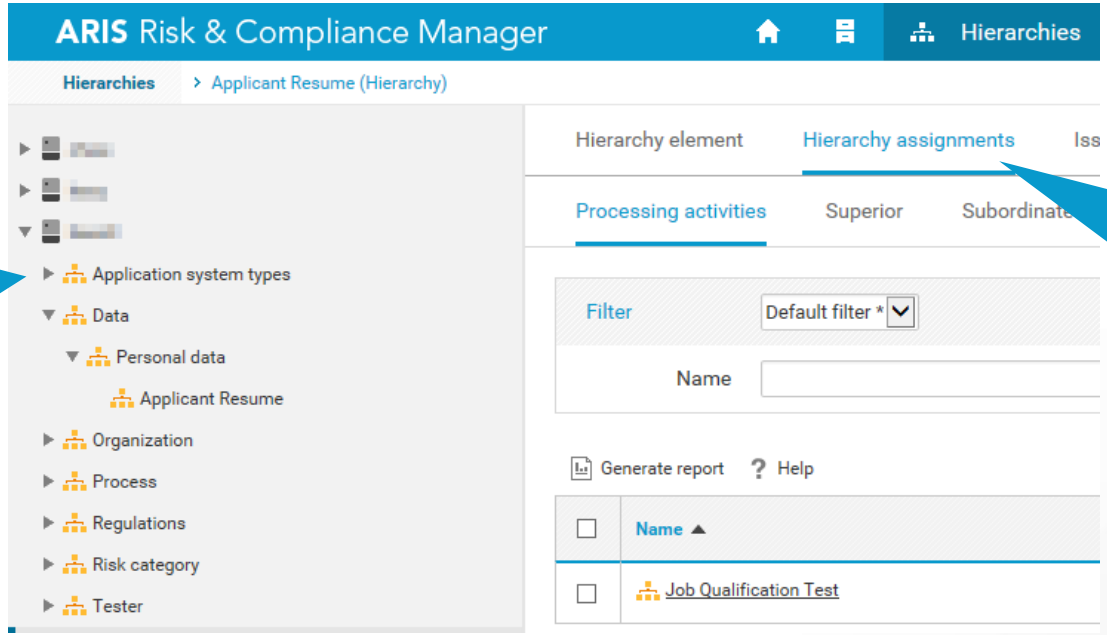
GOVERNANCE, RISK & COMPLIANCE (GRC)
ENHANCEMENTS FOR GDPR

“Data protection” is new element in environment components.

Process hierarchy is used for processing activities (including new attributes).



New hierarchy: Data

Assignments between hierarchy elements possible

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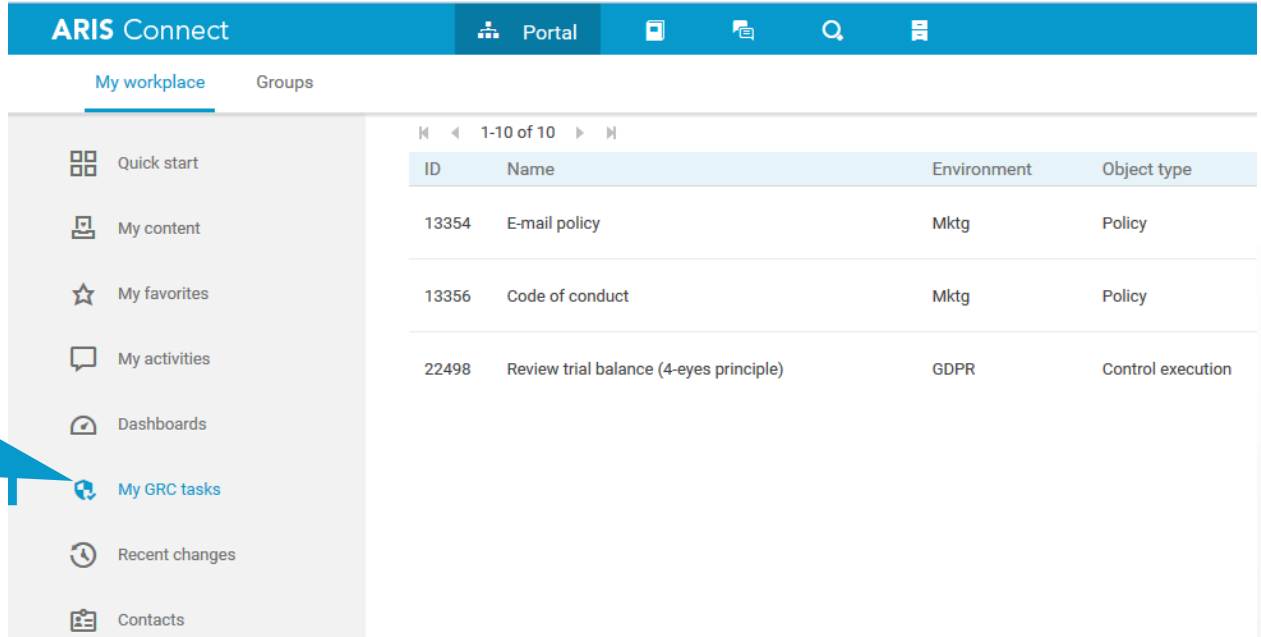
GOVERNANCE, RISK & COMPLIANCE (GRC)
FIRST-LINE GRC: INVOLVING LINE OF BUSINESS

Show GRC tasks in ARIS Connect



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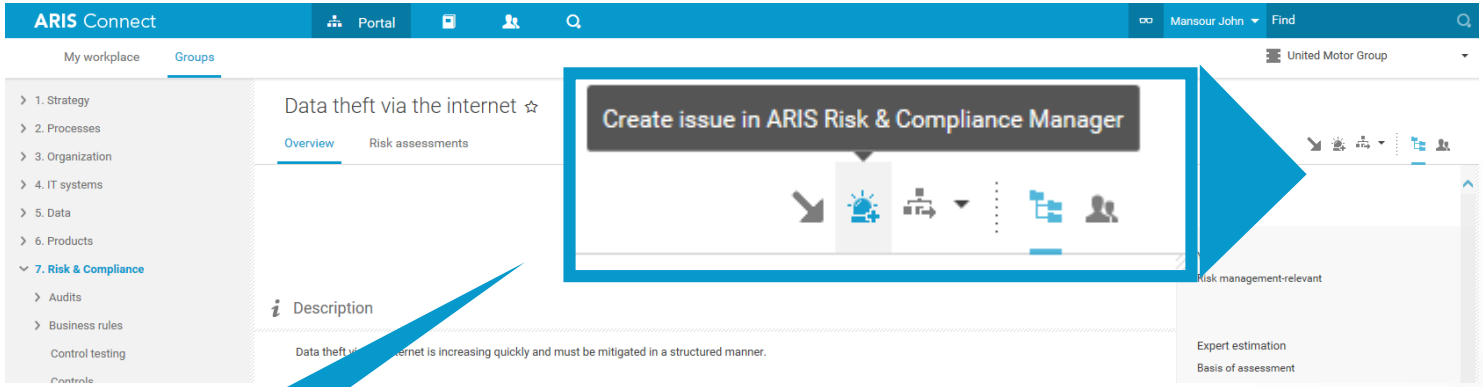
GOVERNANCE, RISK & COMPLIANCE (GRC)
FIRST-LINE GRC: INVOLVING LINE OF BUSINESS



Create ARCM issues within ARIS Connect

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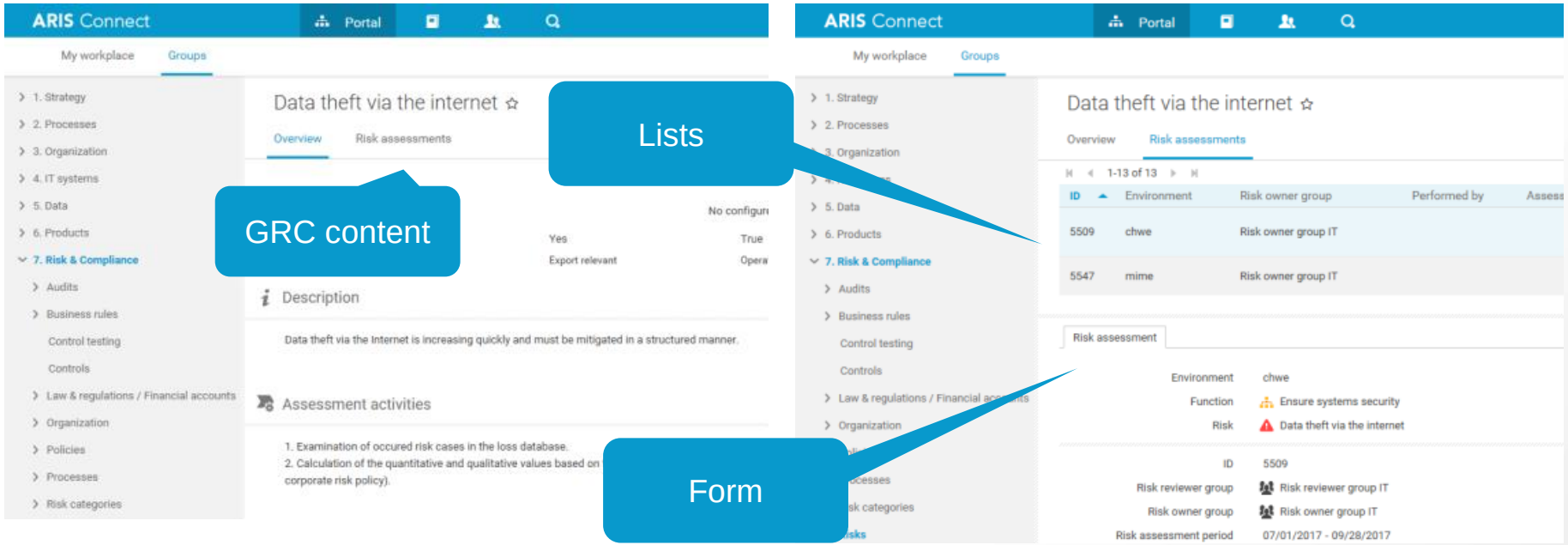
GOVERNANCE, RISK & COMPLIANCE (GRC)
FIRST-LINE GRC: INVOLVING LINE OF BUSINESS

Show GRC lists and forms in ARIS Connect



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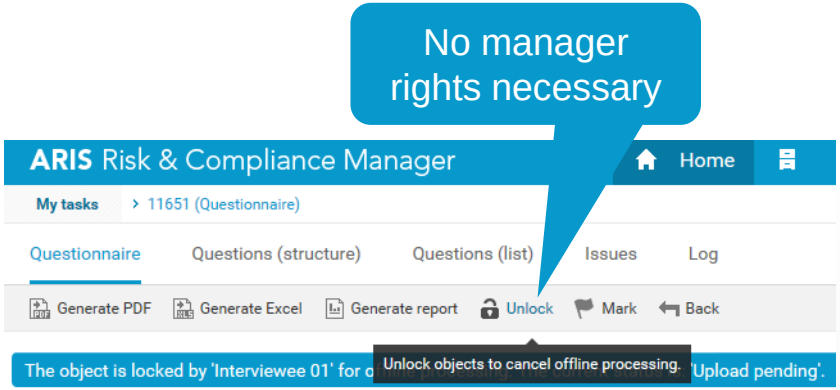
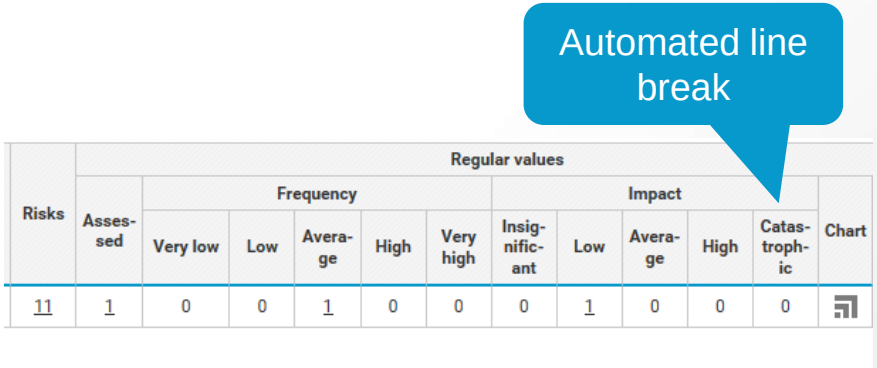
GOVERNANCE, RISK & COMPLIANCE (GRC)
USABILITY IMPROVEMENTS

Easier handling with diverse enhancements:

- Locking/unlocking forms by user without manager rights
- Sign-off management: improved locking of test cases, issues and deficiencies
- Changing master data in ARCM can be prohibited
- Improved UI for qualitative risk assessments: automated line break changeable in system
- Display hierarchy as tree in assignment tab
- Copy values for test case





Risks	Regular values												
	Asses-sed	Frequency					Impact					Chart
		Very low	Low	Avera-ge	High	Very high	Insig-nific-ant	Low	Avera-ge	High	Catas-troph-ic	
11	1	0	0	1	0	0	0	1	0	0	0	

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