



ARIS 10 SR4

FEATURES OVERVIEW

ARIS Product Marketing
March 2018





MANAGE YOUR
DIGITAL
FUTURE

ARIS 10

ARIS – EXCELLENCE AT WORK

TRANSFORM



Best-in-class **design**

MANAGE



Best-in-class **operations**

MEASURE



Best-in-class **analytics**

TRANSFORM YOUR BUSINESS

PROCESS DESIGN

MODELING SUPPORT

BEST-IN-CLASS SAP® SOLUTIONS



ARIS PROCESS DESIGN & METHODOLOGY

BPMN™ LEADERSHIP

BPMN leader

ARIS top ranked as a
BPMN 2.0 implementer by
OMG/MIWG



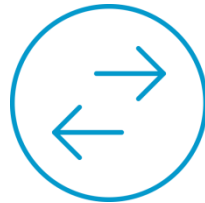
Process modeling
conformance class

FULL



Improved
TRANSFORMATION

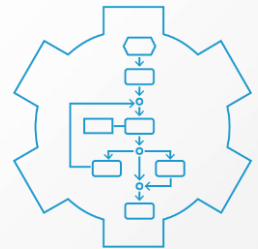
of EPC or E-BPMN to
BPMN 2.0 standard



CONTINUOUS BUSINESS/IT

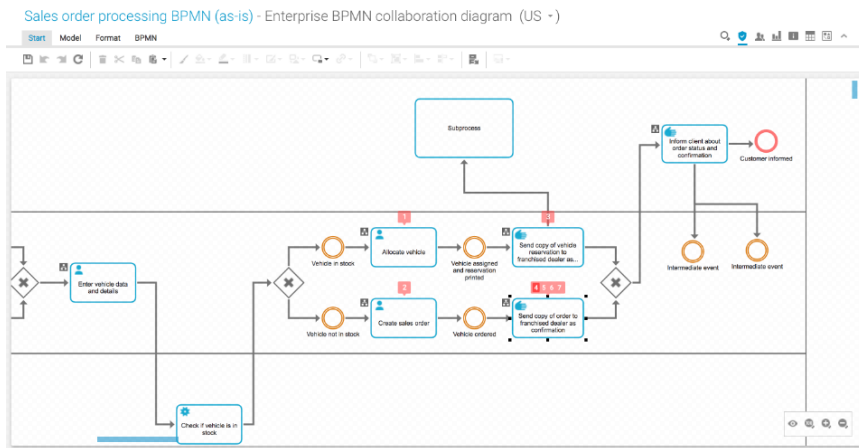
ROUNDRIP

support by stability of external object
IDs & export of ARIS attributes as
standard-conformant extensions



BEST-IN-CLASS BUSINESS DESIGN – WEB-BASED

EASY, POWERFUL, FAST



- 1 Integrated **semantic checks** in ARIS Connect.
- 2 Lightweight **connections**, **matrix modeling** in ARIS Connect Designer.
- 3 Trigger-based **execution of reports** and semantic checks.
- 4 **Default templates** in ARIS Connect Designer.

Easy modeling – high content quality
Easy automation

Experts
Contributors

software^{AG}

HIGH-QUALITY CONTENT DESIGN & MODELING IN ARIS CONNECT

Sales order processing BPMN (as-is) - Enterprise BPMN collaboration diagram (US -)

Flags for
4 errors 0 warnings 0 notes

Open the semantic check panel

Tool tip on "how to solve the issue?"

Select a validation profile

Quantitative result of a semantic check

#	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	✘ Rules for a BPMN model (BPMN 2.0)	Error: This object of type 'End event' violates the following rule: If a process uses objects of type 'End event', at least one object of type 'Start event' is required.
4	● Gateway	✘ Rules for a BPMN model (BPMN 2.0)	Error: This object must have at least one outgoing connection to a sequence flow.

Easy modeling – high content quality
OOTB automation

Experts
Contributors

software AG

LIGHTWEIGHT CONNECTIONS DESIGN & MODELING IN ARIS CONNECT

Matrix models

Easily maintain relationships between objects in ARIS Connect Designer

Modern UI, also available in ARIS Architect/Designer

matrix Matrix model

Properties

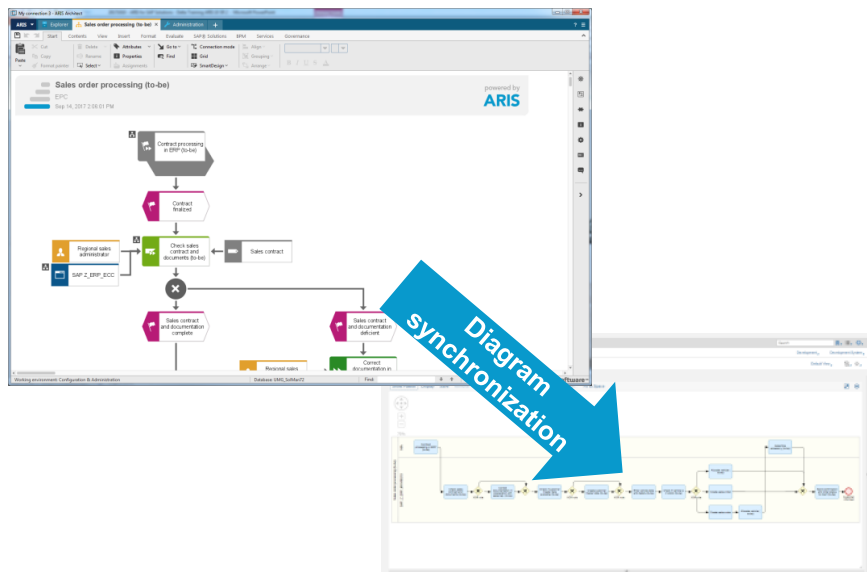
Attributes	Documents	Value
Name		matrix
Time of generation		2.2.2018, 11:48:33
Creator		system
Last change		2.2.2018, 11:48:33
Type		Matrix model
Last user		system

Show/maintain connection properties

Matrix modeling

Experts

BEST-IN-CLASS SAP® SOLUTIONS WITH ARIS & SAP SOLUTION MANAGER 7.2



- 1 Creation of **role-based BPMN** process diagrams.
- 2 Synchronization of **non-master diagrams** from ARIS to SAP® Solution Manager.
- 3 Support for using **occurrence copies** of process steps in the process step library.
- 4 Synchronization of **scoped branches**.

Enhanced BPMN support - Extended synchronization
Better usability

Administrators
Key users

ARIS FOR SAP® SOLUTIONS

KEY FOR YOUR MIGRATION TO SAP S/4 HANA®

Legacy SAP ECC

SAP S/4 HANA



Discover

Prepare

Explore

Realize

Deploy

Run

ARIS

Provide transparency
(ARIS process mining
& ARIS SAP redoc)

**Impact analysis
of migration**
(ARIS design &
reference content)

**Define & approve
requirements**
(ARIS design, analysis
& ARIS Process
Governance)

Testing & training
(ARIS Test Designer,
ARIS Aware & ARIS
Process Governance)

Communication
(ARIS Connect & ARIS
Process Governance)

Monitor & control
(ARIS process
mining)

 **software** AG

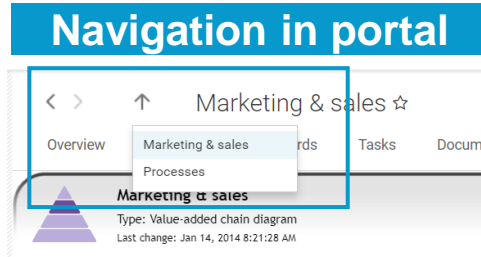
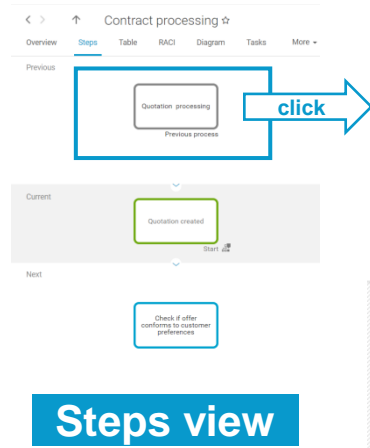


MANAGE YOUR FUTURE FOR BEST-IN-CLASS OPERATIONS

YOUR SINGLE SOURCE OF TRUTH
GOVERN YOUR PROCESSES
MANAGE RISKS & COMPLIANCE
GDPR READINESS

ARIS CONNECT/ARIS CLOUD 10.0 SR4

NAVIGATION ENHANCEMENTS



1 Steps view supports process interfaces (EPC model types)

The steps view now allows navigating via process interfaces between different processes.

1 Navigation in portal

Ability to navigate back/forward and up in the ARIS Connect portal.

Ease of use

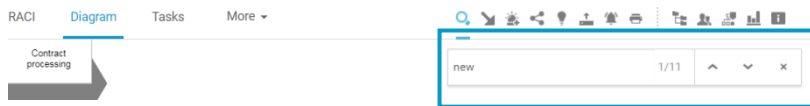
End users
Contributors

software AG

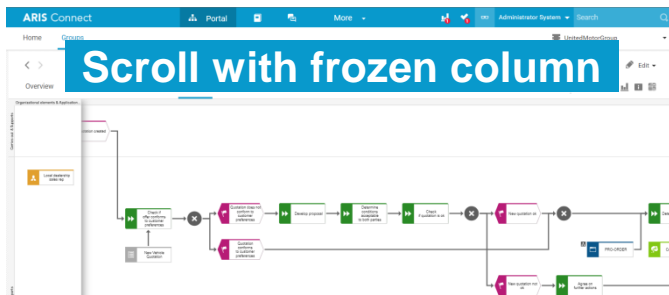
ARIS CONNECT/ARIS CLOUD 10.0 SR4

BETTER DIAGRAM VIEW

Search in diagram



Scroll with frozen column



1

Search in diagram tab

It is now possible to search in a diagram tab and to navigate between the results.

2

Freeze first row or column

The diagram tab in the portal now supports the freezing of the first row or column in row- or column-based model types.

3

Print scale preview

The print dialog gives a preview of how the print-out scales depending on the page layout.

Ease of use

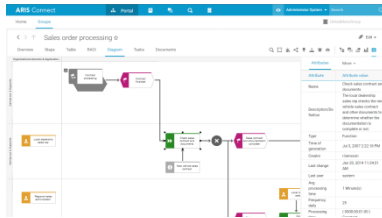
End users & contributors
Domain architects

ARIS CONNECT/ARIS CLOUD 10.0 SR4

VIEW GENERATION TO THE NEXT LEVEL (1/2)



Keep the view



Details in attribute panel

1

Persistence of views

When navigating to another model of the same, the view is kept active.

2

Attributes panel supported

When activating a view, the attribute section can be used to review details of the content.

3

Activation in SSC

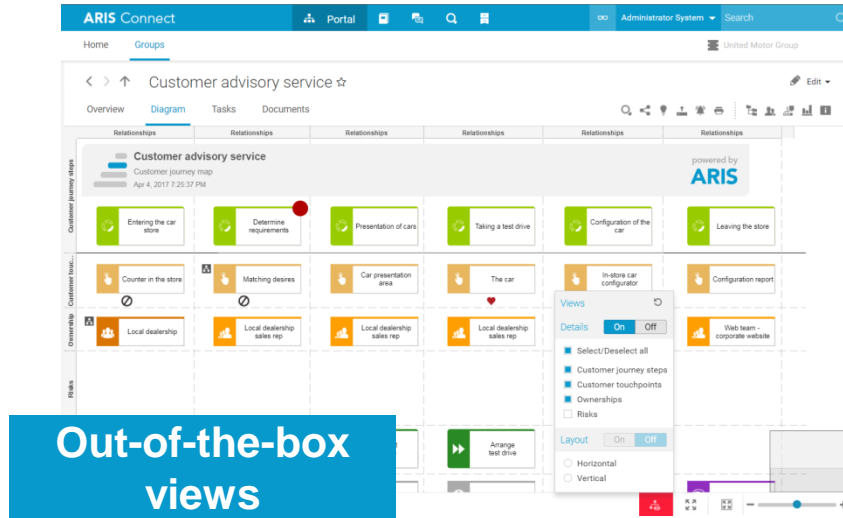
It is now possible to activate or deactivate the views in the Self-Service Configuration (SSC).

New perspectives

End users & contributors
Domain architects

ARIS CONNECT/ARIS CLOUD 10.0 SR4

VIEW GENERATION TO THE NEXT LEVEL (2/2)



4 View generation connections
Drawn connections in swim lane-/column-based models optimized.

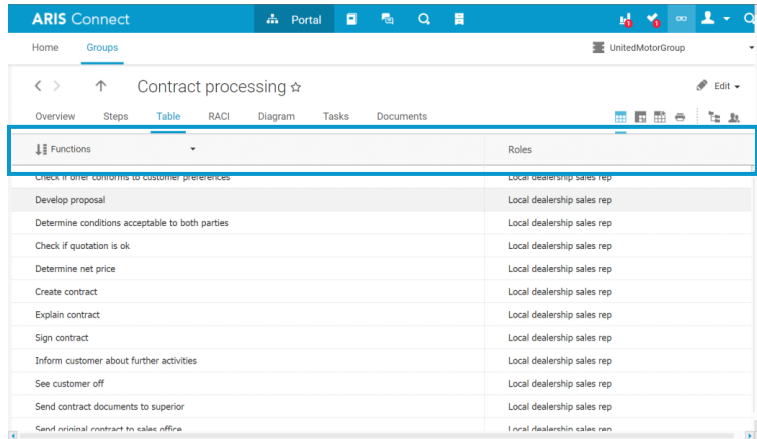
5 Additional out-of-the-box views
Extended EPC
Customer journey maps can be shown with less detail.

New perspectives

End users & contributors
Domain architects

ARIS CONNECT/ARIS CLOUD 10.0 SR4

ADDITIONAL IMPROVEMENTS



The screenshot shows the ARIS Connect interface with a table titled 'Contract processing'. The table has two columns: 'Functions' and 'Roles'. The header row is highlighted in blue, indicating it is frozen. The table content is as follows:

Functions	Roles
Check if order conforms to customer preferences	Local dealership sales rep
Develop proposal	Local dealership sales rep
Determine conditions acceptable to both parties	Local dealership sales rep
Check if quotation is ok	Local dealership sales rep
Determine net price	Local dealership sales rep
Create contract	Local dealership sales rep
Explain contract	Local dealership sales rep
Sign contract	Local dealership sales rep
Inform customer about further activities	Local dealership sales rep
See customer off	Local dealership sales rep
Send contract documents to superior	Local dealership sales rep
Send original contract to sales office	Local dealership sales rep

Header frozen when scrolling

1

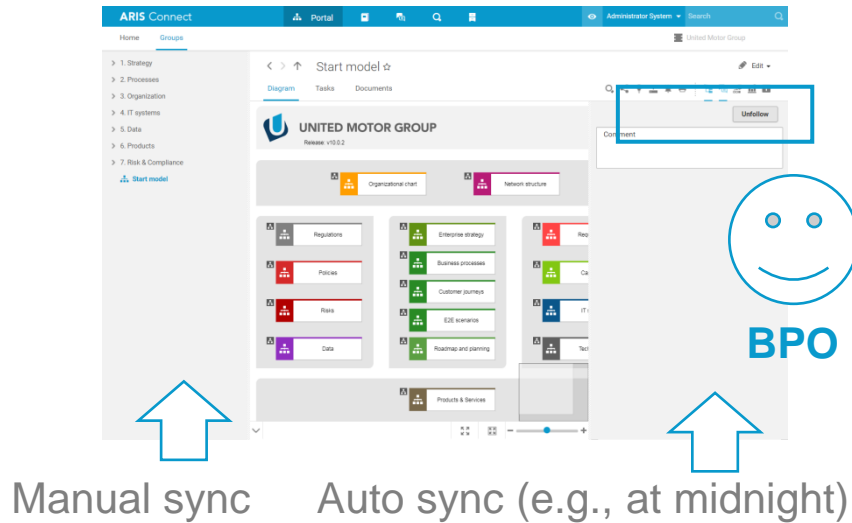
Freeze headers in tables

The overview, table and RACI tabs support freezing the first row for easy scrolling.

Ease of use

End users & contributors
Domain architects

ARIS CONNECT/ARIS CLOUD 10.0 SR4 ENHANCEMENTS IN COLLABORATION



1

Auto-follow as person responsible
The user maintained as person responsible/owner automatically follows the content he or she is responsible for.

Ease of use

Owners

ARIS CONNECT/ARIS CLOUD 10.0 SR4

MAKE ARIS CONNECT MORE ACCESSIBLE

The screenshot displays the ARIS Connect web application interface. The top navigation bar includes 'ARIS Connect', a user profile 'Port', a status message 'Data successfully updated', and a search bar. The main content area shows a BPMN diagram titled 'Sales order processing BPMN (as-is)'. A modal dialog box is open, allowing the user to edit the 'Valid until' date. The dialog features a calendar for the year 2017, with the month set to February. The date '10' is selected. The dialog also includes 'OK' and 'Cancel' buttons. A blue banner at the bottom of the screenshot reads 'Keyboard navigation'.

1

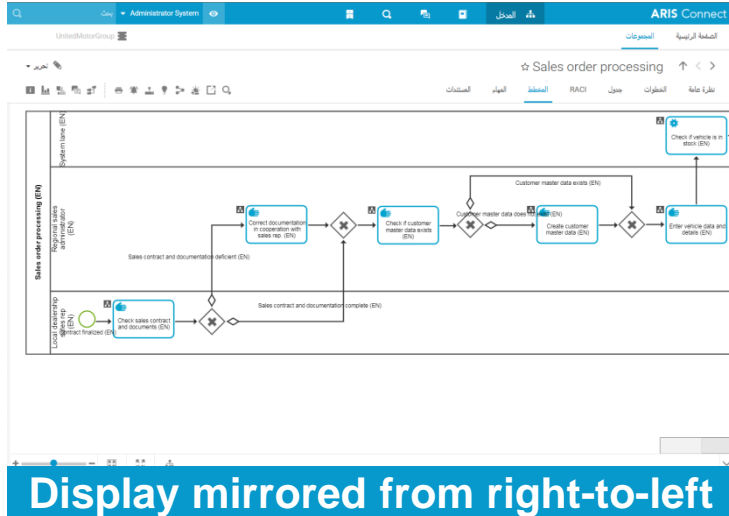
Contribution navigation via keys
Navigation via keyboard in contribution.

Accessibility

Contributors

ARIS CONNECT/ARIS CLOUD 10.0 SR4

RIGHT-TO-LEFT SUPPORT



1

Right-to-left support

The viewing of ARIS Connect now supports Right-To-Left (RTL) display so the display is fully mirrored. This is important for users from countries that have RTL languages (e.g., Arabic, Hebrew, Persian and Urdu).

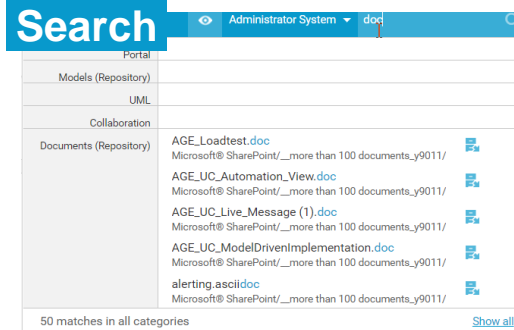
New target groups
Ease of use

Experts
Contributors

software AG

ARIS CONNECT/ARIS CLOUD 10.0 SR4

IMPORTANT ENHANCEMENTS OF DOCUMENT STORAGE



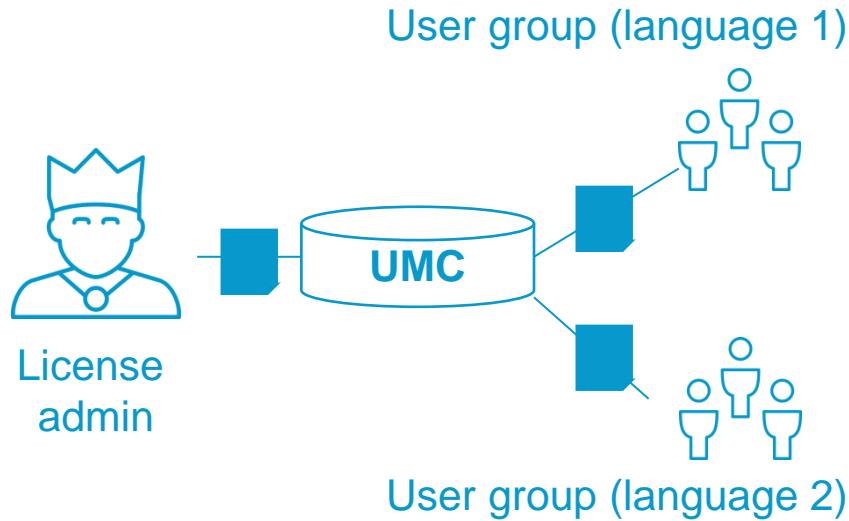
- 1 Document search approved**
Viewers to only find approved versions.
- 2 Integration with external DMS/Microsoft® SharePoint® 2016**
A new API supports an external DMS. Adapters can be implemented based on this new API. A new adapter will be offered by Software AG Custom Development that supports the integration with most recent SharePoint versions.

Flexibility

End users & contributors
Domain architects

ARIS CONNECT/ARIS CLOUD 10.0 SR4

USER MANAGEMENT FOR MANAGEMENT SYSTEMS



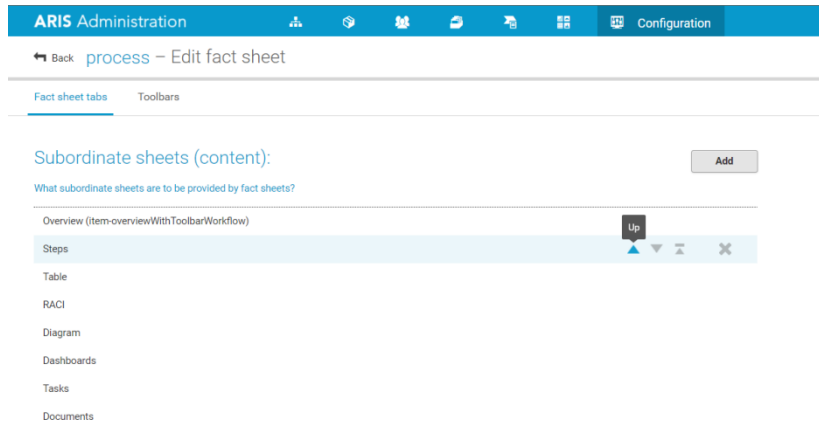
- 1 Peak alert concurrent licenses in UMC**
License administrators are informed when the concurrent license pool is peaked or a threshold is reached.
- 2 Language-specific user-defined UMC notifications**
It is now possible to maintain language-specific user-defined notifications for UMC.

**Manageability &
Increased end-user adoption**

**End users & contributors
Domain architects & administrators**

ARIS CONNECT/ARIS CLOUD 10.0 SR4

NEW CONFIGURATION POSSIBILITIES 1/2



Tab order changed in the UI

1

Property groups in XML and SSC

You can combine several properties to a group, e.g., to combine a document title with a document link in one property shown in a fact sheet.

2

Change tab order in SSC

It is now possible to change the tab order in the Self-Service Configuration (SSC) without the need for XML configuration.

3

Configure extended search in SSC

The search and its filters can be configured in the SSC without the need for XML configuration.

Lower TCO

**Experts
Contributors**

software AG

ARIS CONNECT/ARIS CLOUD 10.0 SR4

NEW CONFIGURATION POSSIBILITIES 2/2

Item properties

Identifier: role
Name: Role en
Type: Object

Edit

ARIS items

Select the ARIS types that are to be displayed in the portal for this item.

Add

Role (OT_PERS_TYPE)

Show advanced settings

Default symbol type

Select the ARIS symbol types that are to be displayed in the portal for this item.

Add

**Default symbol-based
item**

4

Configure toolbar for new item types in SSC

The toolbar can now be configured based on Self-Service Configuration (SSC) possibilities.

5

Connect items based on default symbol filter

It is now possible to define new item types based on the default symbol as a filter. This allows, e.g., to define an item for process interfaces (item 1) different to functions (item 2) different to controls (item 3).

Lower TCO

Experts
Contributors

software AG

ARIS PROCESS GOVERNANCE INTEGRATED IN ARIS CONNECT & ARIS DOCUMENT STORAGE

The screenshot shows the ARIS Connect interface. The top navigation bar includes 'ARIS Connect', 'Portal', and search options. The main area displays a 'My tasks' list with columns for Priority, Name, Assignment date, Due date, Status, and Assigned. Below the list, the details for 'simpleHumanTask' are shown, including Process name, Status, Priority, Assigned, Assignment date, Due date, Delegated to, Original assignee, Current editor, Creation date, and Comment.

Priority	Name	Assignment date	Due date	Status	Assigned
	skip	21.10.2017 14:04:32		New	system, system
	simpleHumanTask	18.10.2017 14:19:14	18.10.2017 14:19:14	New	System, Administrat...
	simpleHumanTask	18.10.2017 14:19:14	18.10.2017 14:19:14	New	System, Administrat...
	simpleHumanTask	18.10.2017 14:19:14	18.10.2017 14:19:14	New	System, Administrat...
	simpleHumanTask	18.10.2017 14:19:14	18.10.2017 14:19:14	New	System, Administrat...
	simpleHumanTask	18.10.2017 14:19:14	18.10.2017 14:19:14	New	System, Administrat...
	simpleHumanTask	18.10.2017 14:19:14	18.10.2017 14:19:14	New	System, Administrat...

Process name	Description
simpleHumanTask	
Status	New
Priority	Normal
Assigned	System, Administrator
Assignment date	18.10.2017 14:19:14
Due date	
Delegated to	
Original assignee	system
Current editor	
Creation date	18.10.2017 14:19:14
Comment	

New view directly
embedded in ARIS
Connect

The screenshot shows a 'Dialog' window titled 'Dialog'. It features a 'Document chooser' section with a dashed box containing the text 'Drop document or select action...'. Below this text are 'Upload' and 'Move' buttons. At the bottom of the dialog are 'Submit' and 'Cancel' buttons.

Easy upload
with drag & drop
Highly configurable for
advanced use cases

Fast overview of tasks – improved usability

End users

VARIABLE VISUALIZATION AND INCREASED PERFORMANCE ADMINISTRATION IN ARIS PROCESS GOVERNANCE

Better variable visualization and increased performance when using variables

Monitor input and upload states of variables

The screenshot displays the ARIS Administration interface for a process instance. The top navigation bar includes 'ARIS Administration' and 'Process administration'. The main content area shows the 'History' tab for a process instance named '2017-11-10 12:56:31 system [starteventAssign10Variables]'. Below this, there is a table listing process history events.

ID	Name	Status	Type	Start time	End time	Use...
1b4fc08b-bfda-11e7-6508-f49a36b51959	End event	COMPLE...	FINISH	2017-11-10 12...	2017-11-10 12...	
1b4fc08b-bfda-11e7-6508-f49a36b51959	Function	COMPLE...	ACTIVITY	2017-11-10 12...	2017-11-10 12...	
c221dbf7-c429-3288-a937-b6a726802b98	Event (proces...	COMPLE...	ACTIVITY	2017-11-10 12...	2017-11-10 12...	
1b4fc081-bfda-11e7-6508-f49a36b51959	Start event	COMPLE...	START	2017-11-10 12...	2017-11-10 12...	

Below the history table, there is a section for 'Output variables' with a table showing the current state of variables:

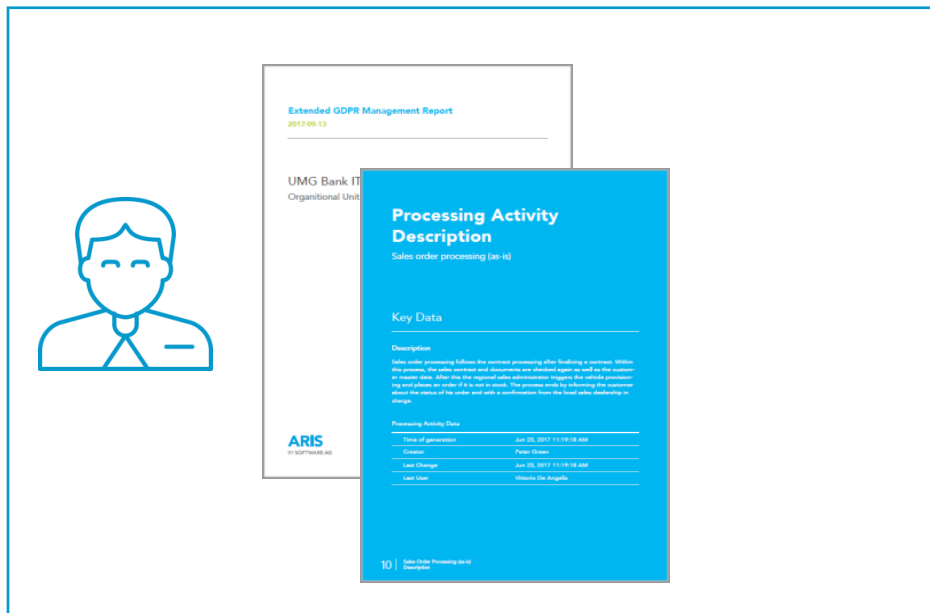
Name	Value	Type	Scope
stringInstanceVariable16	en_US	string	Instance
stringInstanceVariable12	default	string	Instance
stringInstanceVariable17	starteventAssign10Variables	string	Instance
stringInstanceVariable14	d6839074-3c29-11e4-85b9-000054d...	string	Instance
stringInstanceVariable11	pcy95802.eur.ad.sag	string	Instance
stringInstanceVariable16	M 1345096b-bfda-11e7-6508-f49a36b...	string	Instance
stringInstanceVariable13	system	string	Instance
stringInstanceVariable18	EPC	string	Instance

Easy performance handling
More transparency

Administrators

BEST-IN-CLASS RISK & COMPLIANCE MANAGEMENT

SECURE OPERATIONS & EASY COMPLIANCE



- 1** **GDPR** - Improved evaluations, additional data feeds as input for ARIS Aware, improved UI for reports and dashboards.
- 2** **Survey management**
Dynamic questions depending on given answers, automatic numbering of questions, question detail information.
- 3** **Improved synchronization** between ARIS process design and ARIS Risk & Compliance Manager (ARCM), in particular handling of deleted objects.

GDPR readiness
Efficient risk management

Risk officer & compliance manager
Administrators

RISK & COMPLIANCE MANAGEMENT

SURVEY MANAGEMENT & GDPR READINESS

Records of Processing Activities

2017-09-13

UMG Bank IT & Orga
Organisational Unit

Processing Activity Description
Sales order processing (as-is)

Key Data

Description

Extended GDPR Management Report

2017-09-13

ARIS
© 2017 WAVE AG

UMG Bank IT & Orga
Organisational Unit

Functions
Sales order processing (as-is)

Sales order processing (as-is)

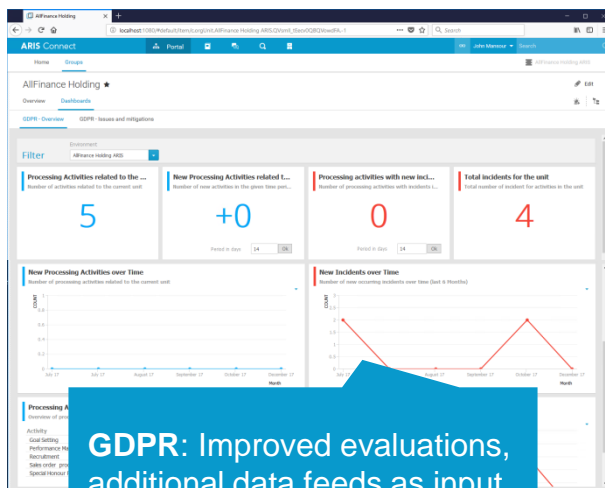
Yes	Sensitive	Yes
GDPR-Handling	Data Sensitivity	Sign-off-Process

Description

Function Data

Year of generation	Jan 25, 2017 11:19:18 AM
Created	Peer Green
Created (CMM)	In process
Priority	1

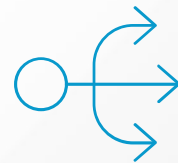
14



GDPR: Improved evaluations, additional data feeds as input for ARIS Aware, improved UI for reports and dashboards

Survey management
Questions depending on given answers, automatic numbering of questions, question detail information

? → if “yes” then additional question



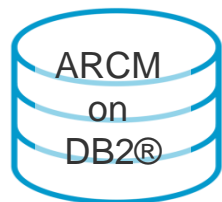
Improved survey management
GDPR ready

Risk manager
Compliance officer

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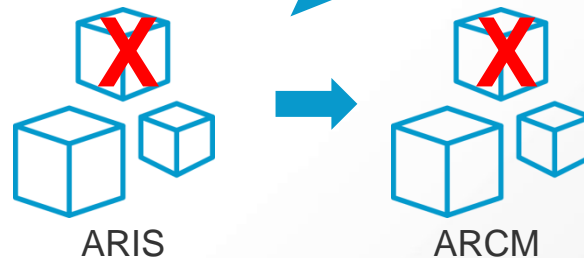
TECHNICAL IMPROVEMENTS

DATABASE & SYNCHRONIZATION



New database supported for ARIS & ARCM: **DB2**

Improved synchronization between ARIS and ARCM, in particular handling of deleted objects



Easy synchronization

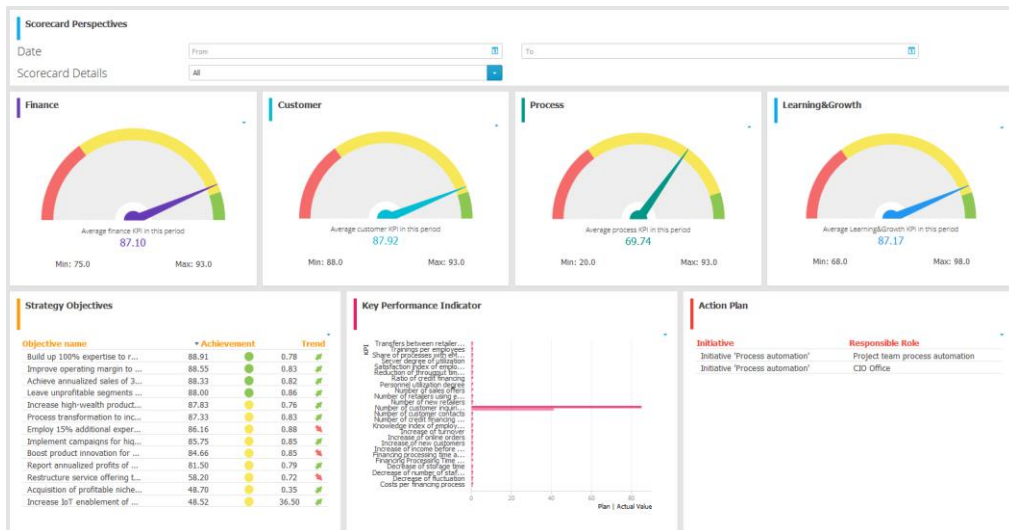
Administrator

MEASURE YOUR SUCCESS WITH BEST-IN-CLASS ANALYTICS

PROCESS ANALYSIS
PERFORMANCE MEASUREMENT
DASHBOARDING



BEST-IN-CLASS MEASUREMENT EFFICIENCY BOOST FOR YOUR EMS



1

New visual components

User-dependent dashboard data

Multi-value filtering

Easy data extraction from dashboards

2

Extended out-of-the-box-content

3

Simplified management of assets

Easy access management

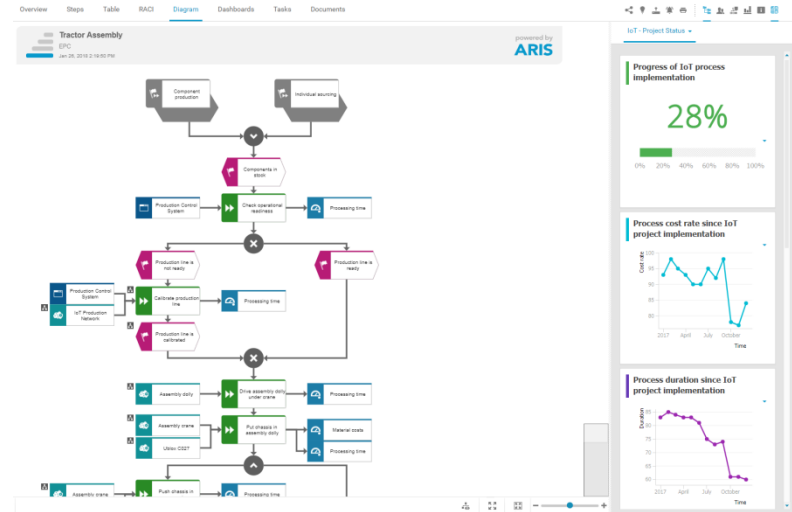
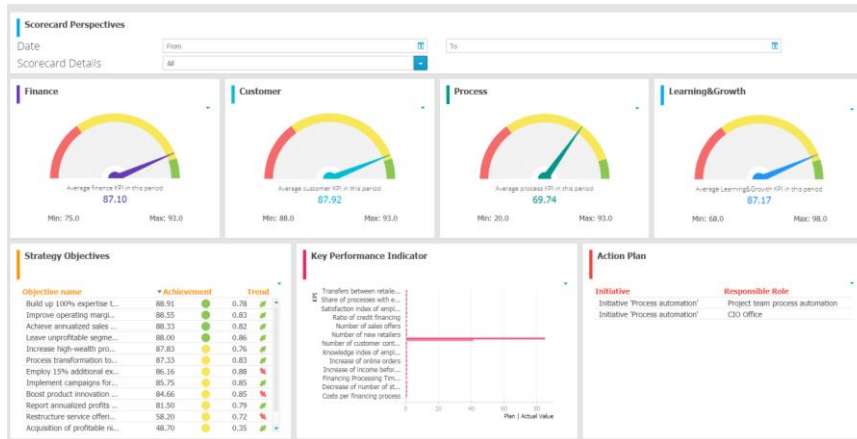
Update safe customizations

Improved visualization
Dashboard personalization

Administrators
Viewers

Strategy

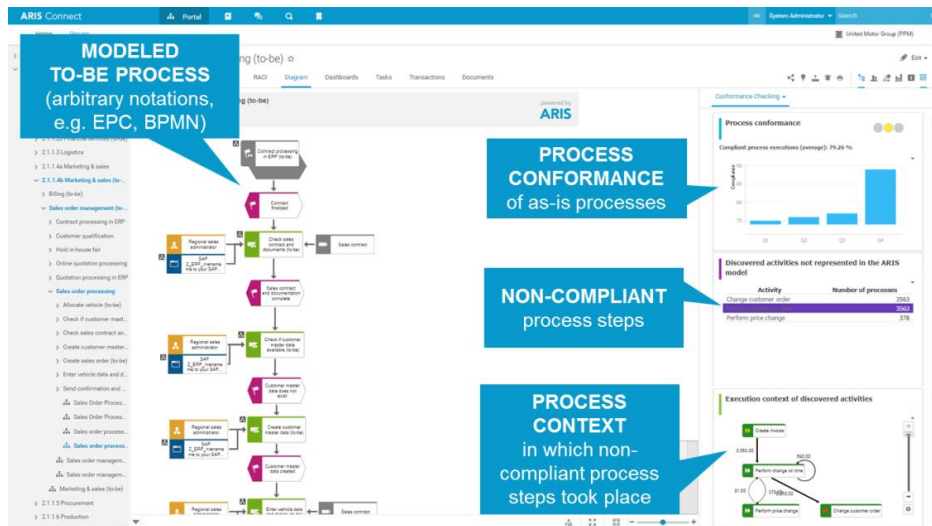
- Achievement of strategic goals
- Effects of initiatives
- Balanced scorecard analyses



Internet of Things (IoT)

- IoT enablement progress
- Status and warnings of IoT devices
- Integrated with Cumulocity

BEST-IN-CLASS PROCESS MINING TRANSPARENCY ON YOUR PROCESS EXECUTION



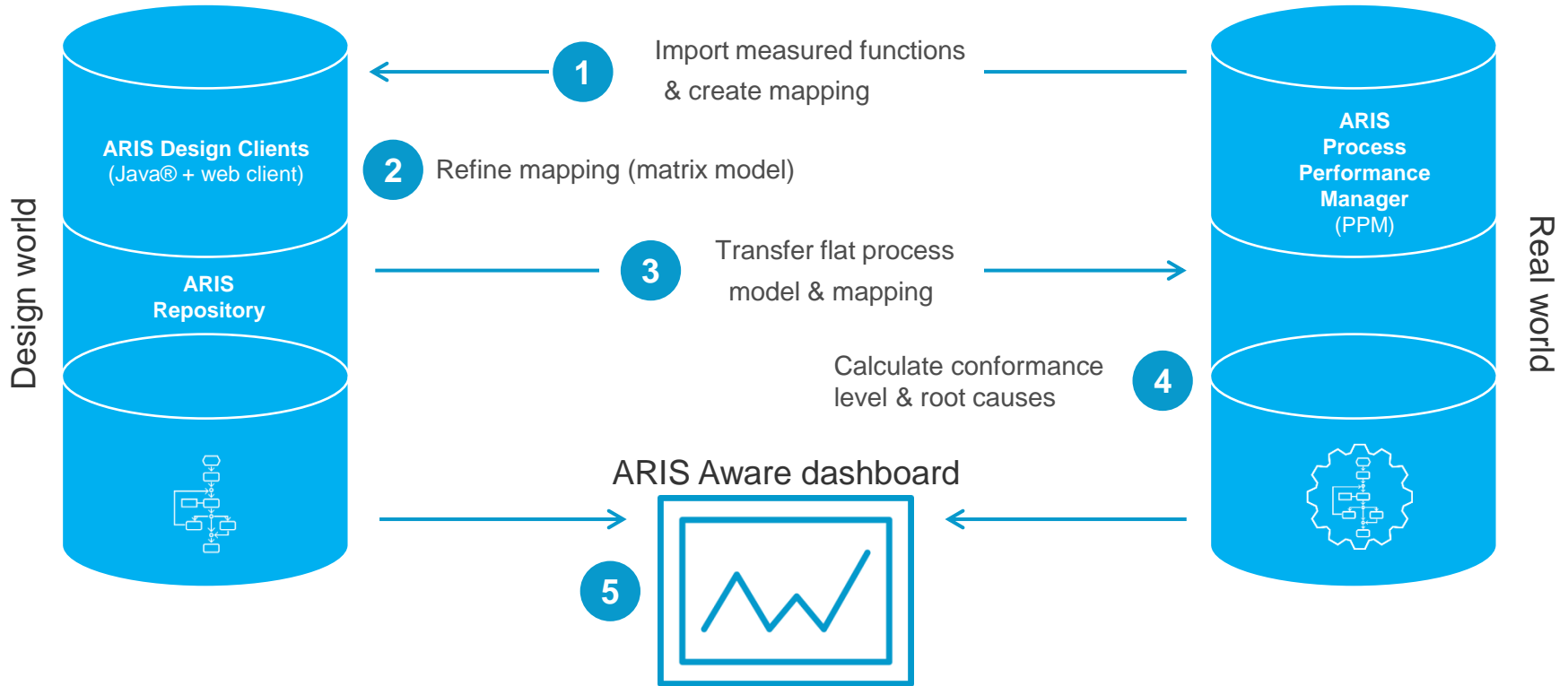
- 1 Check for **process conformance** and automatic identification of **root causes** for non-compliance.
- 2 **Eased dashboards creation** based on existing process types, i.e., PPM favorites are no longer mandatory.
- 3 PPM context data source to enable an **automatic filtering** across several charts and dashboards.
- 4 Discovery and visualization of **process execution variants**.

Enhanced process conformance checking
Improved dashboard creation

Process owners
Process analysts

ARIS PROCESS MINING

INTEGRATION BETWEEN ARIS & ARIS PPM

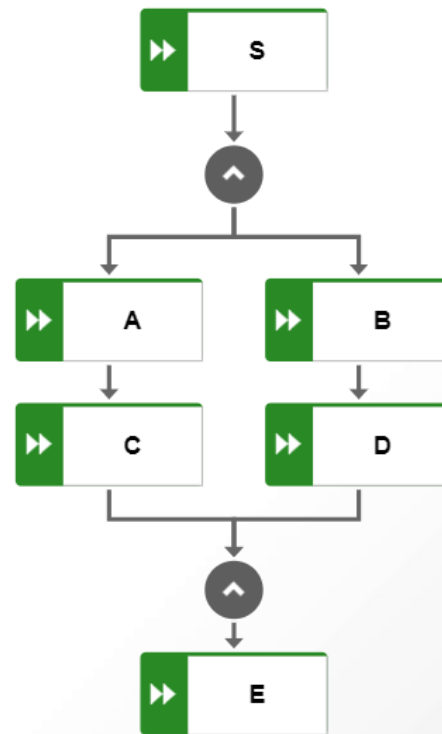


Visual analytics: process conformance | root-cause analysis | as-is/to-be comparison

BEST-IN-CLASS PROCESS MINING

PROCESS CONFORMANCE CHECK & ROOT CAUSES

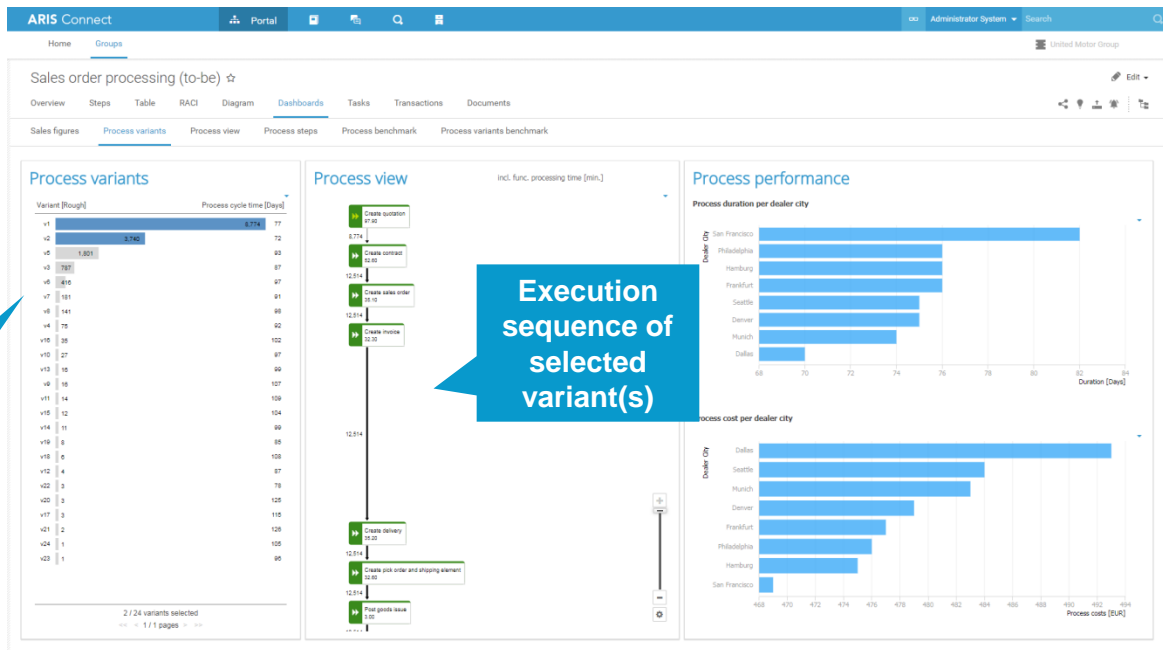
- **Conformance Rate**, e.g., 87 %
- **Non-compliance Type I:**
 - Process Step A **should not follow** Process Step C
 - e.g., S, C, **A**, B, D, E
- **Non-compliance Type II:**
 - Process instance **should not start with** Process Step E
 - e.g., **E**, A, C, B, D, E
- **Non-compliance Type III:**
 - Process instance **should not end with** Process Step D (i.e., Process Step D **should be followed by** another step; likely to occur for not yet finished processes instances)
 - e.g., S, A, C, B, **D**
- **Non-compliance Type IV:**
 - Process Step Z **occurs** (if Z is not part of the model, any process that has Z anywhere would fall into this category and for this occurrence NOT into “Z should not follow B”)
 - e.g., S, A, C, **Z**, B, D, E



BEST-IN-CLASS PROCESS MINING PROCESS VARIANT DASHBOARD WIDGET

Process variants
dashboard widget

Select (multiple)
process variants

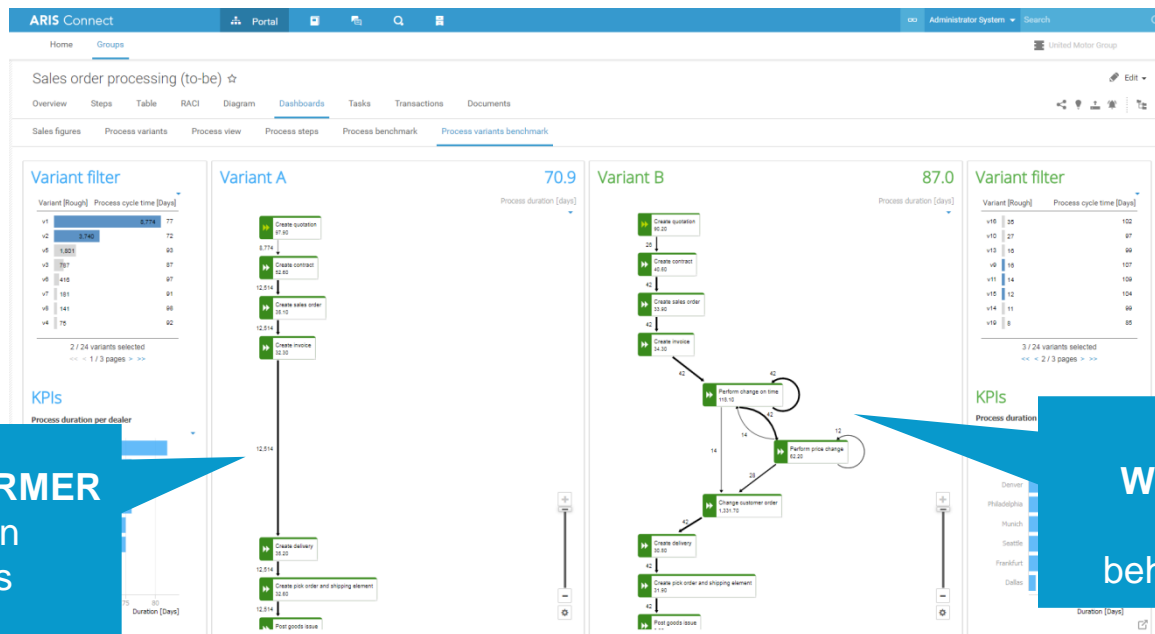


Easy discovery of process variants

LOB manager
CoE

software AG

BEST-IN-CLASS PROCESS MINING BENCHMARK DIFFERENT PROCESS VARIANTS



BEST PERFORMER
due to lean
processes

**Process
WEAK POINTS**
identified in
behavioral pattern

Process optimization based on process variants

**LOB manager
CoE**

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STRATEGIC ROADMAP ON PROCESS ANALYTICS WITH ARIS

MOVING TYPICAL ANALYTICS USE CASES TO ARIS AWARE



Lightweight tool for business user

ARIS Connect

ARIS Aware
(20% of typical analytics use cases)

ARIS Connect

ARIS Aware
(~50% of typical analytics use cases)

ARIS Connect

ARIS Aware
(~80% of typical analytics use cases)



Advanced tool for process analysts

ARIS PPM
(80% of typical analytics use cases)

ARIS PPM
(~50% of typical analytics use cases)

ARIS PPM
(~20% of typical analytics use cases)

Oct
2017

Apr
2018

Oct
2018

A BEST-IN-CLASS ENTERPRISE DIGITAL TWIN FOR YOUR SUCCESS



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