ARIS 10 SR4
FEATURES OVERVIEW

ARIS 10 SR4 feature	Feature description
ARIS Architect/ARIS Designer	
Process mining integration for conformance checking	Bi-directional integration between process design and the process mining capabilities in ARIS. An import of the measured process behavior serves as a basis for a mapping between the originally designed and planned process steps and the process steps that occurred in reality. This allows an analysis of the differences and commonalities between both worlds —down to the expected KPIs using ARIS Aware. In addition to comparing executed processes, you can compare side-by-side actual (as-is) and designed (to-be) processes based on conformance checks to identify weaknesses and bottlenecks.
Global roll out of model type-specific default templates	General and model type-specific default templates can now be defined per tenant. This allows a global or project-related roll out of the desired templates that holds in all design clients: ARIS Architect, ARIS Designer and ARIS Connect Designer. The functionality helps with consistency in the "look and feel" of all models.
BPMN™ roundtrip enablement	ARIS attributes can now be exported and re-imported as BPMN 2.0 standard-conform extensions. This allows basic BPMN roundtrip scenarios without any loss of information.

Query improvements	• Sort the table output of a query by multiple columns
	• Query execution without graphical output: The generation of a graphical query output can now be disabled, which leads to:
	  – Better query performance
	  – Better visibility of the table output
	• Export multiple query table output sheets into one Microsoft® Excel® file

Takeover and sync of ARIS Document Storage (ADS) document titles	If documents in ADS are used as document link attributes, the document title attribute is now automatically filled with the corresponding document title in ADS. Moreover, the link title can be synchronized, if necessary.
BPMN method improvements	It is now possible to connect participants with partner entities and roles.

ARIS 10 SR4 feature	Feature description
ARIS Aware	
New out-of-the-box dashboards	ARIS Aware comes with new predefined dashboards covering two use cases: • Strategy: Visualization of strategic KPIs including the possibility to analyze every KPI in isolation. Balanced scorecard-related dashboard. • Internet of Things (IoT): ARIS data such as IoT objects are connected to the real devices in Cumulocity. Three corresponding dashboards present the live status of particular devices and give an overview of recent warnings or errors. Moreover, they show the progress of an IoT enablement initiative.
Easy creation of process mining dashboards	The creation of dashboards based on data from the ARIS Process Performance Manager (PPM) server is significantly easier and accelerated by introducing a new data source in ARIS Aware and MashZone NextGen called PPM Context. This data source allows you to directly access process mining and analytics results, such as measures and dimensions, from the PPM server without having the need of creating any favorite in PPM itself. In addition, dashboards based on this new data source are automatically filterable, i.e., a manual definition of filters across different charts is no longer required.
Multi-value filtering	Widgets can now be filtered for multiple values of one dimension. This works for line charts, column charts, bar charts, pie charts, grids and lists.
Improved self-service configuration for dashboard assignment	Dashboards can now be assigned for each database separately. This allows developing and testing of dashboarding content on a development or test database before rolling them out. You can also create different dashboards for different databases. This provides full flexibility when assigning dashboards to the ARIS content.
Set access privileges for dashboards and data feeds in repository	All dashboarding content (dashboards and feeds) are maintained in the repository. Access privileges can now be managed directly there, without the necessity to open them.
Delete dashboards and data feeds in repository	Dashboards can now be deleted from the repository without the necessity to open them.
User permission-specific dashboards	Data can be extracted from the ARIS Repository under the consideration of individual user rights. Users only see the information they are allowed to see.
Generate dashboard link for ADS files	When using files in ADS as a data source for dashboards, the necessary file URL can be generated with just one click.
Update-safe customizations	Customizations allow your dashboards to visually fit to your Corporate Identity (CI) or to realize a specific visualization demand. The corresponding files (styles, widgets) can now be registered in ARIS, so that they won't be lost after a system update or upgrade.
"Dashboard admin" has access to repository	Up to now, access to the repository was reserved for ARIS Connect Designers only. Now a dashboard admin also has access to the repository. There is no difference anymore between the ARIS Aware User extension for the ARIS Connect Viewers and ARIS Connect Designers.
New widgets	• Rich text: Allows you to position individually styled text segments • Value/range slider: A slider for value ranges, single values. Usable for "from" and "to" semantics as well • Date/time range: Allows you to filter a dashboard for a date range along years, quarters or month • List: Suitable for an easy presentation of searchable lists with one optional KPI
Save as CSV	The data that is presented in a widget within a dashboard can now be exported as a CSV file.
ARIS Connect/ARIS Cloud Enterprise	
Auto-follow as person responsible	The user maintained as person responsible/owner automatically follows the content he or she is responsible for.
Steps view supports process interfaces (Event-driven Process Chain—EPC) model types)*	The steps view now allows navigating via process interfaces between different processes.

* This feature is also available for ARIS Cloud Advanced

ARIS 10 SR4 feature	Feature description
Search in diagram tab	It is now possible to search in a diagram tab and to navigate between the results.
Freeze first row or column in diagram	The diagram tab in the portal now supports the freezing of the first row or column in row- or column-based model types.
Freeze headers in tables*	The overview, table and RACI tabs support a freezing of the first row for easy scrolling.
View generation— Drawn connections in swimlane/ column-based models optimized*	When activating a lane- or column-based view with a grouping (e.g., a role), connections are no longer drawn between object occurrences in the lane/column and, e.g., the function.
Layout enhancement in view generation*	The layout of process models has been enhanced to eliminate backward drawings of sequence flows where possible.
General enhancements in view generation*	The view generation for ARIS Connect Viewer now supports: • Persistence of views: When navigating to another model of the same type, the view is kept active • Attributes: When activating a view, the attribute section can be used to review details of the content • Activation in self-service configuration: It is now possible to activate or deactivate the views in self-service configuration • Additional out-of-the-box views: – Processes based on EPC can be extended/merged in a view with processes before and after the selected process – Customer journey maps can be shown with less detail
Print scale preview*	The print dialog gives a preview of how the print-out scales depending on the page layout.
Accessibility enhancement: navigation via keyboard in contribution	It is now possible to navigate with keys (tab, enter, arrow keys) in the contribution mode of ARIS Connect.
Document search: viewers to only find approved versions	The document search can be explicitly configured that viewers are only able to find and open approved versions. Designers are able to access both—approved versions and head revision if there is a difference between both.
Integration with external Document Management System (DMS)/SharePoint® 2016	A new API allows the support of an external DMS. A dedicated adapter 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. This will technically replace the existing adapter.
Peak alert concurrent licenses in Central User Management (UMC)	License administrators are informed when the concurrent license pool is peaked or a threshold is reached.
Right-to-Left (RTL) support	The viewing of ARIS Connect now supports RTL display so that the display is fully mirrored. This is important for users from countries that have RTL languages (e.g., Arabic, Hebrew, Persian and Urdu).
Property groups as configuration option in XML and self-service configuration	The portal supports the combination of properties in fact sheets. 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.
Change tab order in self-service configuration	It is now possible to change the tab order in the self-service configuration without the need for XML configuration.
Configure extended search in self-service configuration	The extended search and its filters can be configured in the self-service configuration without the need for XML configuration.

* This feature is also available for ARIS Cloud Advanced

ARIS 10 SR4 feature	Feature description
Configure toolbar for new item types in self-service configuration	The toolbar can now be configured based on self-service configuration possibilities.
Connect items based on default symbol filter	You can define new item types based on the default symbol as a filter. This allows you to define, for example, an item for process interfaces (item 1) differently from functions (item 2), differently from controls (item 3).
Language-specific user-defined UMC notifications	You can maintain language-specific user-defined notifications for UMC.
ARIS Connect Designer/ARIS Cloud Enterprise	
Interactive semantic checks*	Good guidance is critical for high-quality models. The new semantic check in ARIS Connect Designer addresses this demand. It shows where issues occur and delivers concrete hints on how to solve them. Issues are separated into their criticality (error, warning, hint) and can be configured individually for each model type or on demand. The new semantic check panels routes through all identified issues step-by-step and supports the user in solving them.
Matrix models*	Matrix models allow the maintenance of arbitrary connections between arbitrary objects with just one click. This is now also possible in ARIS Connect Designer with a completely refreshed user interface, a new inspector panel for easy analyses, and the benefits of ARIS Connect such as collaboration.
Trigger-based automation	Reports and semantic checks can now be automated in ARIS Connect Designer based on the occurrence of particular triggers such as "open model" or "save model." This allows an easy roll out of company-wide standards, e.g., regarding qualitative aspects (by executing the semantic check when saving a model) or automatically maintaining specific attributes.
Model type-specific default template	General and model type-specific default templates can now be defined per tenant. This allows a global or project-related roll out of the desired templates that hold in all design clients: ARIS Architect, ARIS Designer and ARIS Connect Designer. The functionality helps with consistency in the l"look and feel" of all models.
ARIS for SAP® Solutions	
Synchronization of role-based BPMN process diagrams	The synchronization of BPMN process diagrams from ARIS to SAP® Solution Manager is complemented by supporting the creation of role-based diagrams.
Synchronization of non-master diagrams from ARIS to SAP Solution Manager	If several models are assigned to an SAP process, e.g., to reflect process variants, the corresponding model diagrams will be synchronized to SAP Solution Manager.
Occurrence copies of SAP functions as shadow symbols in E-BPMN models	Like already supported in EPC models, shadow symbols (occurrence copies of SAP functions) are available in E-BPMN models as well.
Reuse of occurrence copies of PSL library objects	To easily reuse process steps from the process step library, occurrence copies of them can be directly used in process models.
Synchronizing scoped solution documentations	Scopes in SAP Solution Manager allow narrowing down the content of solution documentations. The interface between ARIS and SAP Solution Manager supports the synchronization of scoped content. This contributes to a reduced synchronization time, especially for large solution documentations.
Keep track of SAP project progress based on ARIS Aware	Out-of-the-box ARIS Aware dashboards help to keep track and analyze the progress of SAP projects, e.g., by visualizing the synchronization status of SAP functions and their assigned SAP objects such as transactions.
ARIS Process Governance (APG)	
Process board integrated into ARIS Connect	The process board is now directly integrated into the ARIS Connect interface.
Simplified document upload control	The document upload control was redesigned and offers now the option to "just upload." But it remains highly extensible for more advanced use cases.

* This feature is also available for ARIS Cloud Advanced

ARIS 10 SR4 feature	Feature description
Increased variable performance	Performance is faster for APG processes that use multiple variable assignments.
Input and output variables in process administration	Input and output variables for individual activities are now shown within the process administration
New service: create human task log	The service can be used for logging substitution/delegation when executing human tasks. For example: When a user is specified as substitute of another user in process board and this user then approves a model, then the approval log contains the name of the substitute.
ARIS Process Performance Manager (PPM)	
Process conformance checking	ARIS PPM checks the conformance of actual process instances against specifications in the process model design. In addition to calculating overall process conformance measures, root causes for non-compliant process executions are calculated. The resulting transparency on these root causes helps to start further analyses and to implement process changes in order to ensure increased compliance rates in future process executions.
Dashboard widget for process variants	Discovered process execution variants can be visualized in a dedicated dashboard widget. This widget clearly displays the frequency of all variants as well as a selected KPI, e.g., the process execution time, for each variant.
Significantly eased and accelerated dashboard creation process	The creation of dashboards based on data from the PPM server is significantly easier and accelerated by introducing a new data source in ARIS Aware and MashZone NextGen called PPM Context. This data source allows you to directly access process mining and analytics results, such as measures and dimensions, from the PPM server without having the need of creating any favorite in PPM itself. In addition, dashboards based on this new data source are automatically filterable, i.e., a manual definition of filters across different charts is no longer required.
Filter panel in dashboards	A dashboard filter panel can be activated and configured to allow an easy filtering of dashboards without the need to create dedicated filter charts.
Timestamps on microsecond level with PPM-JDBC Extractor	Based on several customer requests, timestamps on a microsecond level are now supported with the PPM-Java® DataBase Connectivity (JDBC®) Extractor.
ARIS Risk & Compliance Manager (ARCM)/ARIS GRC Cloud	
Installation of ARIS and ARCM on one machine via setup	It is now possible to install ARIS and ARCM on one single machine via setup.
ARCM released for DB2®	ARCM is released for new data base system IBM® DB2®
ARIS accelerators for GDPR	Two dashboards to show status for GDPR, processing activity gathering procedures are realized. Furthermore, the UI of the GDPR reports was improved with smaller adaptions in method enhancements and the overview fact sheets of ARIS Connect.
Survey management: questions based on given answers	It is now possible to define in ARIS questionnaire template models that specific questions shall only occur in questionnaires if a specific answer for another question is given (depended questions). In ARCM, the corresponding questionnaire will then only add these questions if the interviewee has chosen that specific answer.
Complete synchronization between ARIS and ARCM now includes deleting of elements in ARCM	To delete an object in ARIS that was imported into ARCM, it was necessary to first mark this object as "deactivated" in ARIS and transfer that info in ARCM before really deleting it. With the new option, it is now possible to synchronize the whole ARIS GRC information with ARCM. Objects that do no longer exist in ARIS are then deleted automatically in ARCM.
SAML™ single log-out now also released for ARCM	Single log-out now also works correctly for ARCM.
IoT	
Keep track of IoT project progress based on ARIS Aware	Out-of-the-box ARIS Aware dashboards help to keep track and analyze the progress of IoT projects, e.g., by visualizing the implementation status of designed IoT devices. In combination with Cumulocity, the status of devices including their alarms can also be analyzed for each IoT-enabled process.