software AG

ARIS PROCESS MINING RELEASE NOTES

VERSION 10.0 - SERVICE RELEASE 22 AND HIGHER

APRIL 2023

Contents

1 Release Notes

The ARIS Process Mining Release Notes include information about functionality that has been added, removed, deprecated, or changed for this product. Deprecated functionality continues to work and is supported by Software AG, but may be removed in a future release. Software AG recommends against using deprecated functionality in new projects.

1 Release Notes

2 General notes

Some of the topics covered in the product documentation and help are not yet available in languages other than English.

To provide all users with complete and up-to-date documentation, these topics are displayed in English in the translated product version.

3   April 15, 2023

NEW FUNCTIONALITIES

Major Release ARIS Process Mining SaaS 10.0 SR22

ARIS Process Mining license	Description	Details
ARIS Process Mining [Enterprise]; ARIS Process Mining and ARIS in combined deployment	Advanced process model overlay and augmentation	Augment ARIS Process Mining related measures, activities, and edges on an assigned BPMN diagram to gain deeper insights into your business processes, and drive better outcomes for your process analysis projects.
ARIS Process Mining [Enterprise]; ARIS Process Mining and ARIS in combined deployment; requires ARIS Enterprise Server and a ARIS Process Mining "Living Process" license	Insight-to-Action for ARIS Process Governance workflows	With the ability to use insight triggers to run ARIS workflows using ARIS Process Governance, you can automatically trigger ARIS workflows based on ARIS Process Mining insights.
ARIS Process Mining [Enterprise]	Advanced access privilege management	The current version provides enhanced access privilege management at project, analysis, and data set levels, ensuring only authorized users or user roles have access to your organizational data.

ARIS Process Mining license	Description	Details
ARIS Process Mining [Advanced | Enterprise]	Fine-grained filters on project, analysis, app, and component level	With the new advanced filtering, you have more control over your analyses than ever before and your apps can be created in a context. It allows you to zoom in on specific processes by defining filters on project, analysis, app, or component level. By defining component and project-based filters, you have more flexibility to analyze your data, allowing you to easily filter different app components by time period, business unit, or any other relevant criteria, for example, for benchmarking purposes.
ARIS Process Mining [Advanced | Enterprise]; requires a "Living Process" license	Delta Lake extraction via Databricks	Data can be extracted out of Delta Lakes via the JDBC connectivity of Databricks. Incremental data load is supported, for example, by using the versioning information in Delta Lake.
ARIS Process Mining [Basic | Advanced | Enterprise]	Gallery with pre-built accelerators	The new Gallery makes it easy with a range of pre-defined accelerators that can be installed directly into your project, giving you the tools you need to achieve your business goals in record time.
	New functional privilege: Data set creator	With the new "Data set creator" function privilege, only authorized users have the possibility to create new data sets in ARIS Process Mining. Note for users in a combined deployment with ARIS: After upgrading to SR22, this privilege must be given to users to create datasets.

ARIS Process Mining license	Description	Details
	Infinite scrolling mode for Table component	With the improved table component, you can handle a high number of data rows on demand. The innovative infinite scrolling mode can be activated on demand.

ARIS Process Mining license	Description	Details
	Infinite scrolling mode for Table component	With the improved table component, you can handle a high number of

4   October 15, 2022

NEW FUNCTIONALITIES

Major Release ARIS Process Mining SaaS 10.0 SR20

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Advanced | Enterprise] Analyst; requires a "Living Process" license	Process mining-enriched process models	Published process models currently tend to be static and are not augmented with KPIs, so process models cannot be analyzed from a data perspective. Process models can now be enriched by ARIS Process Mining data. By applying ad-hoc filters, for example, to a specific country or time range, the performance of process models can be flexibly displayed and analyzed. In addition, process models can also be easily embedded in process mining analyses.
	Ad-hoc field calculation including support for variables and parameters	Until now, you had to switch to the dataset to define new calculated columns for the data that had been loaded already. With the new release you can: ▪ directly define calculated columns in the App builder. ▪ compute those KPIs without reloading them and use them directly; and ▪ define variables that can be used throughout your dashboard.

ARIS Process Mining license / user role	Description	Details
	Data export from analysis UI	In ARIS Process Mining you can create your own dashboard and use not only predefined calculations, but also KPIs that are based on your own calculations. Those KPIs can then be visualized using, for example, the integrated app builder. You can now save the results of the various dashboard charts and use them in other visualization or dashboarding tools.
ARIS Process Mining [Advanced | Enterprise] Analyst	Process compliance: Conformance & rule-checks	The analysis of process compliance based on structural conformance checks already provides valuable insights. However, it falls short when it comes to checking business rules in addition to structural conformance. With the introduction of rule checks, process compliance can now be verified based on both structural and rule-based analyses. For orders above a certain threshold, for example, a specific process path must be followed with an additional approval step. This raises conformance checks to the next level of sophisticated process compliance analysis.

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Advanced | Enterprise] Engineer; requires a "Living Process" license	Insight actions trigger issues in ARIS Risk & Compliance	Insight actions allows actions to be triggered automatically when ARIS Process Mining detects certain process conditions; this should be extended so that incidents can also be created directly in ARIS Risk & Compliance.
		Insight actions is enhanced with support for ARIS Risk & Compliance as a new target system.
		This enables the automatic creation of compliance incidents in ARIS Risk & Compliance as soon as a specific process condition is detected, for example, a violation of process compliance.
ARIS Process Mining [Advanced | Enterprise] Engineer	Code editor to script KPI and dimension fields	Defining new calculated columns via the graphical editor is an easy way for beginners, but experienced users would like a script-like way to define new value calculations.
		The new script option in the analysis model allows the definition of new calculated columns in a script editor.
		The user is supported in scripting by highlighting and suggestions.

ARIS Process Mining license / user role	Description	Details
	Fact tables in data modeling to support one-to-many relations	Currently, one-to-many relationships are only supported between a case and its activities, which limits the scope for analysis. For example, an invoice can belong to many purchase orders, that is, cases.
		By introducing fact tables into the data model, one-to-many relationships can now be expressed in a wider scope.
		This enables aggregating attributes over unique objects only, for example, the total number of invoices of selected purchase orders, where a single invoice is counted only once as a unique object.

CHANGES AND FIXES

Fix Release, ARIS Process Mining SaaS 10.0 SR20, December 15, 2022

- The **Consider object distinct** option is now available in the configuration options of a measure. The option was previously available in the **Setup** options of the **Configuration** panel.

5   May 15, 2022

Major Release ARIS Process Mining SaaS 10.0 SR18

OVERVIEW

ARIS Process Mining license / user role	Description
ARIS Process Mining (requires ARIS Cloud Enterprise)	**Embed ARIS Process Mining analyses into ARIS as you know it from ARIS dashboarding** Manage all your users via the central user management. ARIS users automatically receive corresponding ARIS Process Mining usage privileges (viewers receive **Viewer**, designers receive **Analyst**, and administrators receive **Engineer** usage privileges).
ARIS Process Mining [Basic | Advance | Enterprise] **Viewer**	**New text component in ARIS Process Mining apps** The new descriptive text component helps you understand what you see in an app.
	Document app components With the new overlay documentation you can easily understand what you see in an app component.
	New selection and button components Eased data selection with the new selection component and buttons to apply a selection, open a bookmark or predefined application.
ARIS Process Mining [Advanced | Enterprise] **Analyst** (requires 'Living Process' license)	**Insight-to action** Define insight triggers that automatically trigger actions with a defined payload when a process characteristic is detected. Leverage Software AG's market-leading webMethods.io integration platform with its more than 450 connectors to trigger actions in any of your applications Use this insight to action capability generically, for example, with Microsoft Power Automate.

ARIS Process Mining license / user role	Description
ARIS Process Mining [Advanced | Enterprise] **Analyst**	**COUNT and COUNT(DISTINCT) aggregation** Use the COUNT and COUNT (DISTINCT) aggregation in your analysis.
	New standard report to generate activity log from ARIS Process Governance Use the new standard ARIS Process Governance report to generate an activity log of your process governance workflows and import it into ARIS Process Mining to get full visibility into your workflow execution, for example, through variant and bottleneck analysis.
ARIS Process Mining [Advanced | Enterprise] **Engineer** (requires 'Living Process' license)	**Snowflake connectivity** Extract data from your Snowflake Data Lake to the ARIS Process Mining cloud via the JDBC extractor.
	Standard ARIS Process Mining connector in webMethods.io Use the standard ARIS Process Mining connector in webMethods.io to ease data integration.
	Access all data transformation pipeline stages while tasks are running All stages throughout the data transformation pipeline are accessible while extraction, load or recalculation tasks are running.
	Detailed status messages and error handling Keep track on the status of your data integrations with detailed status messages and error handling in the run log.
ARIS Process Mining [Advanced | Enterprise] **Engineer**	**Pseudonymize data** Pseudonymization of imported data within the data transformation layer using a secure SHA-2 algorithm.

6   October 15, 2021

Major Release ARIS Process Mining SaaS 10.0 SR16

OVERVIEW

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Basic | Advance | Enterprise] Viewer	Central navigation	Navigate from a central location within ARIS Process Mining and seamlessly switch to ARIS Portal with the App Switcher.
ARIS Process Mining [Basic | Advanced] Viewer	Process Conformance Checking	Analyze the process conformance of discovered processes against a reference BPMN process or collaboration model from ARIS Repository. Use the new out-of-the-box **Conformance Check** app to analyze the process conformance rate as well as the fitness value, which quantifies the extent to which activities and their case sequences match the reference process. Furthermore, analyze conformance issues and their impact, for example, on the throughput time.

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Basic | Advanced] Analyst	Conformance mapping	Receive BPMN models sent via ARIS Web Designer. Map functions in BPMN reference process with discovered activities in ARIS Process Mining. Auto mapping for identical functions/activities. Requires ARIS [Basic | Advanced] with a Designer license.
ARIS Process Mining [Basic | Advanced | Enterprise] Analyst	Root Cause Miner	Automate your process analysis with Root Cause Miner. Help process analysts focus their time on fixing process issues instead of performing manual analyses to identify root causes of bottlenecks. Interactively define an analysis question, for example, process cycle time > 7 days, and have the Root Cause Miner identify a list of root causes that promote or hinder the specified process characteristic, ranked by their influence.

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Basic | Advanced | Enterprise] Analyst	Transfer discovered processes into your ARIS Repository	Extend ARIS Repository with automatically discovered process models or replace existing models with the data-driven process reality. Select several process variants and transfer a discovered model as a consolidated BPMN or E-BPMN model. Requires ARIS [Basic | Advanced | Enterprise] with a Designer license.
ARIS Process Mining [Basic | Advanced | Enterprise] Analyst	Delete process data	Delete process data from a data set by specifying selection criteria used for deletion.
ARIS Process Mining [Advanced | Enterprise] Engineer	Data Ingestion API	Generic data ingestion API for an extended data connectivity. Send data to the upload API, for example, using one of the 300+ connectors in our wM.io integration stack. Leverage all extracted data in one data set and transform and join your data for a comprehensive end-to-end view of your processes. Requires a 'Living Process' license.

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Advanced | Enterprise] Engineer	Connect a data set to a database	Generic database connection using JDBC (for example, for "data lakes") for an extended data connectivity. Extract data from a wide range of databases using the generic Process Extractor. Leverage all extracted data in one data set and transform and join your data for a comprehensive end-to-end view of your processes. Requires a 'Living Process: license.
ARIS Process Mining [Basic | Advance | Enterprise]	Synchronize user	Automatically synchronize your users in ARIS Process Mining with your ARIS BPA system. Requires ARIS [Basic | Advanced | Enterprise].
ARIS Process Mining [Basic | Advance | Enterprise]	Single sign on from ARIS Portal to ARIS Process Mining	Provide your users with a single-sign-on (SSO) when navigating between ARIS Enterprise and ARIS Process Mining. Requires ARIS Enterprise and ARIS Portal SSO switched off.

7 June 30, 2021

Major Release ARIS Process Mining SaaS 10.0 SR15

OVERVIEW

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Advanced | Enterprise] **Analyst**	Status of your integration pipeline	Easily check the status of your data integration pipeline from data extraction to data transformation to the analysis model.
	Overview of your source tables	Manage and preview all uploaded CSV files, extracted data tables, and data tables resulting from data transformations.
	Run Log	View a history of all data-related tasks (for example, extraction and loading of data) that have been executed.
ARIS Process Mining [Advanced | Enterprise] **Engineer**	New user type: Engineer	An **Engineer** user manages data sets with direct system connections (Living Process license required). In addition to setting up connections and data extractions, it contains multiple options for data transformation of both extracted data and data uploaded via CSV file. An **Engineer** user has all the functional rights of an **Analyst** user included.

ARIS Process Mining license / user role	Description	Details
	Connect a data set to your SAP systems	Establish a secure connection to your SAP systems to extract data to your ARIS Process Mining cloud. Requires a Living Process license.
	Extract data from your integrated source systems	Extract and upload data from your source systems into your data set to discover and analyze your processes. Requires a Living Process license.
	Transform your data	Transform your uploaded and extracted data using powerful data transformation queries to clean, restructure, and process your data to fit your use case.
	Automate your data integration pipeline	Execution schedules help you automate your data integration pipeline from data extraction to loading. Plan a schedule, such as hourly, and just sit back while the ARIS Process Mining cloud does the work. Requires a Living Process license.

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining [Advanced | Enterprise] **Living Process**	New license type: Living Process	A data set with a Living Process license can maintain a living connection between your application systems and the ARIS Process Mining cloud. With (a) direct connection(s) to underlying source system(s), it allows you to continuously extract and analyze data to get an up-to-date view of the analyzed process. For a Living Process, it does not matter if the analyzed process is split across different technical systems, but the process domain is considered.

8   April 15, 2021

Major Release ARIS Process Mining SaaS 10.0 SR14

OVERVIEW

ARIS Process Mining license / user role	Description	Details
ARIS Process Mining Viewer	Many productivity enhancements in apps	▪ Range selection in chart components ▪ Filter on time dimension in components ▪ Percentages in pie charts and much more to explore!
	Bookmark your analysis and store and reuse your selections	▪ Bookmark your analysis (inclusive current selection, activated app) ▪ Store your selection to make it also available in other analysis (for example, region = "EMEA") ▪ Define a default selection that will be automatically loaded when analysis is opened
	Bookmark your analysis and store and reuse your selections	▪ Bookmark your analysis (inclusive current selection, activated app). ▪ Store your selection to make it also available in other analysis (for example, region = "EMEA"). ▪ Define a default selection that will be automatically loaded when analysis is opened.

ARIS Process Mining license / user role	Description	Details
	Support for local languages in UI	Support for many local UI languages, e.g. German, French, Spanish, Japanese, as well as multi-language documentation for the most frequent ARIS languages.
	Improved user onboarding	New onboarding functionalities will easy the start of new users into the world of ARIS Process Mining.
	Jump from ARIS Enterprise to ARIS Process Mining SaaS	Allow to navigate from ARIS Enterprise to ARIS Process Mining.
ARIS Process Mining Analyst	Many productivity enhancements in App builder	▪ On the fly calculation of ratio measures ▪ Define default pattern for time format ▪ Chart stacking & grouping via dimension ▪ Auto zooming into y-axis measure values ▪ Reordering of apps and much more to explore!
	Flexible process adaptability	▪ Custom calculation template offers wide possibilities for the definition of dimension and measure calculations – inclusive nested operators. ▪ Many additional operators and extensions to existing ones, for example, distinct option for count operator. ▪ Deactivate columns from app builder.

ARIS Process Mining license / user role	Description	Details
	Solution transport	Export and import your project inclusive analyses, apps and their components + underlying analysis model (Beta).
ARIS Process Mining Enterprise Viewer	Process Conformance Checking	Analyze the process conformance of discovered processes against a reference BPMN process or collaboration model from the ARIS repository. Use the new out-of-the-box conformance checking app to analyze the process conformance rate as well as the fitness value which quantifies the extend to which activities and their case sequences match the reference process. Furthermore analyze conformance issues and their impact, for example, on the throughput time.
ARIS Process Mining Enterprise Analyst	Conformance mapping	▪ Map functions in BPMN reference process with discovered activities in ARIS Process Mining. ▪ Auto mapping for identical functions/activities.
ARIS Process Mining Enterprise Base Component	Extended room for snapshot projects	The Enterprise edition offers extended room for snapshot projects with up to 2 million of cases (in up to 20 GB of process snapshot data).

9 Legal information

9.1 Documentation scope

The information provided describes the settings and features as they were at the time of publishing. Since documentation and software are subject to different production cycles, the description of settings and features may differ from actual settings and features. Information about discrepancies is provided in the Release Notes that accompany the product. Please read the Release Notes and take the information into account when installing, setting up, and using the product.

If you want to install technical and/or business system functions without using the consulting services provided by Software AG, you require extensive knowledge of the system to be installed, its intended purpose, the target systems, and their various dependencies. Due to the number of platforms and interdependent hardware and software configurations, we can describe only specific installations. It is not possible to document all settings and dependencies.

When you combine various technologies, please observe the manufacturers' instructions, particularly announcements concerning releases on their Internet pages. We cannot guarantee proper functioning and installation of approved third-party systems and do not support them. Always follow the instructions provided in the installation manuals of the relevant manufacturers. If you experience difficulties, please contact the relevant manufacturer.

If you need help installing third-party systems, contact your local Software AG sales organization. Please note that this type of manufacturer-specific or customer-specific customization is not covered by the standard Software AG software maintenance agreement and can be performed only on special request and agreement.

9.2 Support

If you have any questions on specific installations that you cannot perform yourself, contact your local Software AG sales organization (https://www.softwareag.com/corporate/company/global/offices/default.html). To get detailed information and support, use our Web sites.

If you have a valid support contract, you can contact **Global Support ARIS** at: **+800 ARISHELP**. If this number is not supported by your telephone provider, please refer to our Global Support Contact Directory.

For issues regarding the product documentation, you can also send an e-mail to documentation@softwareag.com (mailto:documentation@softwareag.com).

ARIS COMMUNITY

Find information, expert articles, issue resolution, videos, and communication with other ARIS users. If you do not yet have an account, register at ARIS Community.

PRODUCT DOCUMENTATION

You can find product documentation also on our documentation Web site.

In addition, you can also access the cloud product documentation. Navigate to the desired product and then, depending on your solution, go to **Developer Center**, **User Center** or **Documentation**.

PRODUCT TRAINING

You can find helpful product training material on our Learning Portal.

TECH COMMUNITY

You can collaborate with Software AG experts on our Tech Community Web site. From here you can, for example:

- Browse through our vast knowledge base.
- Ask questions and find answers in our discussion forums.
- Get the latest Software AG news and announcements.
- Explore our communities.
- Go to our public GitHub and Docker repositories and discover additional Software AG resources.

PRODUCT SUPPORT

Support for Software AG products is provided to licensed customers via our Empower Portal (https://empower.softwareag.com/). Many services on this portal require that you have an account. If you do not yet have one, you can request it. Once you have an account, you can, for example:

- Download products, updates and fixes.
- Add product feature requests.
- Search the Knowledge Center for technical information and tips.
- Subscribe to early warnings and critical alerts.
- Open and update support incidents.