

ARIS PROCESS PERFORMANCE MANAGER

# RELEASE NOTES

VERSION 10.5.10

OCTOBER 2024

This document applies to ARIS Process Performance Manager version 10.5.10 and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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# Contents

1	Text conventions .....	1
2	Support.....	2
3	General .....	3
4	Critical information .....	4
5	Known issues .....	5
6	Usage notes.....	6
	Installation .....	6
	Upgrade .....	7
	Analysis .....	7
	Configuration .....	8
	Administration.....	8
	Demo Database.....	9
7	Changes in version 10.5.10 .....	10
	7.1 Resolved issues in current version .....	10
	7.2 Documentation changes .....	10
	7.3 Terminology changes .....	10
	7.4 Added, removed, deprecated or changed items .....	10
	7.5 Added, removed, deprecated, or changed Built-In Services.....	12
	7.6 Added, removed, deprecated, or changed parameters .....	12
	7.7 Added, removed, deprecated, or changed APIs.....	12
8	Former Versions .....	13
	8.1 Release 10.5.9 .....	13
	8.1.1 Fixes included in 10.5.9.....	13
	8.1.2 Resolved issues in 10.5.9.....	13
	8.1.3 Documentation changes .....	13
	8.1.4 Terminology changes .....	13
	8.1.5 Added, removed, deprecated or changed items .....	13
	8.1.6 Added, removed, deprecated, or changed Built-In Services.....	15
	8.1.7 Added, removed, deprecated, or changed parameters .....	15
	8.1.8 Added, removed, deprecated, or changed APIs.....	15
	8.2 Release 10.5.8 .....	15
	8.2.1 Fixes included in 10.5.8.....	15
	8.2.2 Resolved issues in 10.5.8.....	16
	8.2.3 Documentation changes .....	16
	8.2.4 Terminology changes .....	16
	8.2.5 Added, removed, deprecated or changed items .....	16
	8.2.6 Added, removed, deprecated, or changed Built-In Services.....	18
	8.2.7 Added, removed, deprecated, or changed parameters .....	18
	8.2.8 Added, removed, deprecated, or changed APIs.....	18
	8.3 Release 10.5.7 .....	19
	8.3.1 Fixes included in 10.5.7.....	19
	8.3.2 Resolved issues in 10.5.7.....	19
	8.3.3 Documentation changes .....	19
	8.3.4 Terminology changes .....	19
	8.3.5 Added, removed, deprecated or changed items .....	19
	8.3.6 Added, removed, deprecated, or changed Built-In Services.....	22
	8.3.7 Added, removed, deprecated, or changed parameters .....	22
	8.3.8 Added, removed, deprecated, or changed APIs.....	22

8.4	Release 10.5.6 .....	22
8.4.1	Fixes included in 10.5.6.....	22
8.4.2	Resolved issues in 10.5.6.....	22
8.4.3	Documentation changes .....	22
8.4.4	Terminology changes .....	23
8.4.5	Added, removed, deprecated or changed items .....	23
8.4.6	Added, removed, deprecated, or changed Built-In Services .....	25
8.4.7	Added, removed, deprecated, or changed parameters .....	25
8.4.8	Added, removed, deprecated, or changed APIs .....	25
8.5	Release 10.5.5 .....	25
8.5.1	Fixes included in 10.5.5.....	25
8.5.2	Resolved issues in 10.5.5.....	25
8.5.3	Documentation changes .....	26
8.5.4	Terminology changes .....	26
8.5.5	Added, removed, deprecated or changed items .....	26
8.5.6	Added, removed, deprecated, or changed Built-In Services .....	28
8.5.7	Added, removed, deprecated, or changed parameters .....	28
8.5.8	Added, removed, deprecated, or changed APIs .....	28
8.6	Release 10.5.4 .....	28
8.6.1	Fixes included in 10.5.4.....	28
8.6.2	Resolved issues in 10.5.4.....	29
8.6.3	Documentation changes .....	29
8.6.4	Terminology changes .....	30
8.6.5	Added, removed, deprecated or changed items .....	30
8.6.6	Added, removed, deprecated, or changed Built-In Services .....	32
8.6.7	Added, removed, deprecated, or changed parameters .....	32
8.6.8	Added, removed, deprecated, or changed APIs .....	32
8.7	Release 10.5.3 .....	32
8.7.1	Fixes included in 10.5.3.....	32
8.7.2	Resolved issues in 10.5.3.....	32
8.7.3	Documentation changes .....	33
8.7.4	Terminology changes .....	34
8.7.5	Added, removed, deprecated or changed items .....	34
8.7.6	Added, removed, deprecated, or changed Built-In Services .....	36
8.7.7	Added, removed, deprecated, or changed parameters .....	36
8.7.8	Added, removed, deprecated, or changed APIs .....	36
8.8	Release 10.5.2 .....	37
8.8.1	Fixes included in 10.5.2.....	37
8.8.2	Resolved issues in 10.5.2.....	37
8.8.3	Documentation changes .....	37
8.8.4	Terminology changes .....	38
8.8.5	Added, removed, deprecated or changed items .....	38
8.8.6	Added, removed, deprecated, or changed Built-In Services .....	40
8.8.7	Added, removed, deprecated, or changed parameters .....	40
8.8.8	Added, removed, deprecated, or changed APIs .....	40
8.9	Release 10.5.1 .....	41
8.9.1	Fixes included in 10.5.1.....	41
8.9.2	Resolved issues in 10.5.1.....	41
8.9.3	Documentation changes .....	44
8.9.4	Terminology changes .....	45
8.9.5	Added, removed, deprecated, or changed items .....	45
8.9.6	Added, removed, deprecated, or changed Built-In Services .....	49
8.9.7	Added, removed, deprecated, or changed parameters .....	49
8.9.8	Added, removed, deprecated, or changed APIs .....	49

8.10	Release 10.5 .....	49
8.10.1	Fixes included in 10.5.....	49
8.10.2	Resolved issues in 10.5 .....	49
8.10.3	Documentation changes .....	51
8.10.4	Terminology changes .....	52
8.10.5	Added, removed, deprecated or changed items .....	52
8.10.6	Added, removed, deprecated, or changed Built-In Services .....	54
8.10.7	Added, removed, deprecated, or changed parameters .....	54
8.10.8	Added, removed, deprecated, or changed APIs .....	54
9	Support.....	55

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## 1 Text conventions

Menu items, file names, etc. are indicated in texts as follows:

- Menu items, key combinations, dialogs, file names, entries, etc. are displayed in **bold**.
- User-defined entries are shown as **<bold text in angle brackets>**.
- *Example texts that are too long to fit on a single line, such as a long directory path, are wrapped to the next line by using ↵ at the end of the line.*
- File extracts are shown in this font format:

`This paragraph contains a file extract.`

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## 2 Support

Visit the [ARIS Documentation](#) Web sites of Software GmbH to learn about support policies and critical alerts, read technical articles and papers, download products and fixes, submit feature or enhancement requests, and more.

Visit the [ARIS Community](#) Web site to access additional articles, demos, tutorials, technical information, samples, useful resources, online discussion forums, and more.

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## 3 General

This file contains important information about using ARIS Process Performance Manager 10.5.10. Specific user documentation is available on the [ARIS Community](#) Web site. Go to the Documentation area of the community to find the following documents in the ARIS section:

- ARIS System Requirements
- PPM Installation Guide
- PPM Migration Guide
- PPM Release Notes
- Other technical product documentation

This file contains information about functionality that has been added, removed, marked as deprecated, or changed for this product. Deprecated functionality continues to work and is supported by Software GmbH but may be removed in a future release. Software GmbH strongly recommends that you do not use deprecated functionality in new projects.



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## 4 Critical information

Please go to the [ARIS Community](#) to find out about important information that Software GmbH might retrospectively publish about the current ARIS PPM release.

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## 5 Known issues

none

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## 6 Usage notes

This section provides you with important details about how to work with the current product release.

### Installation

- The new version **ARIS PPM 10.5 Service Release 10** (10.5 SR10, 10.5.10) is a full featured ARIS PPM release that can be installed either side-by-side to an existing older ARIS PPM version 9.12 to 10.4, separately as a new installation, or using the new over install mechanism to update a former **ARIS PPM 10.5.1** and higher.
- From ARIS PPM 10.2, the **ARIS PPM Setup** tool was used to install or uninstall ARIS PPM. This setup routine can be affected by **McAfee** or any other virus scanner scans and may fail with errors when accessing locked files that are needed for the installation. All McAfee versions prior to the ENS 10.5.4 August Update are known to cause this problem. Other virus scanner tools might affect the **ARIS PPM Setup** by performing some "On Access Scans" during installation.  
Workaround: Update your McAfee installation to the latest version or temporarily deactivate "On Access Scans" in your virus scanner tool.
- We recommend installing the setup in an installation directory that does not contain any other Software GmbH product installations. The new setup is available in the **ARIS Download Center**. For more details on using the setup, see the document **PPM Installation**.
- In an integrated scenario with **ARIS Aware**, the dashboarding component ships the PPM widgets **Function Flow**, **Root Cause Miner**, **Process Variants**, **Conformance Check** and **Jump to ARIS PPM Client**. The widgets allow the user to extract and analyze data using the existing PPM data source.
- If you have added project-specific runtime libraries (**JAR** files) to your ARIS PPM installation, you must update these custom classes so that they conform to the new ARIS PPM version after the upgrade.  
If you want to update your project-specific runtime libraries, please contact the Software GmbH product support.
- To access **ARIS PPM Cloud Agent**, you must enter a user/password combination. The combination is saved in various start and stop scripts (User = **Clous**, password = **g3h31m**). From ARIS PPM 10.4, you can change the user and password for PPM Cloud Agent during the PPM installation. For more information on securing your ARIS PPM installation, see the document **PPM Operation Guide**.
- In addition to the familiar **ARIS PPM help topics** of the online help, PDF documents and the **PPM Compendium** are provided via a Web service. Start the **ppm\_web** component to correctly display the help and the documents.
- With this version, the **ARIS Patch Setup** tool is used to install or uninstall fixes that are available in the **ARIS Download Center**. The ARIS PPM patch reads the ARIS PPM

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installation path from the registry. For more details on how to use the ARIS Patch Setup, please refer to the **PPM Installation** document.

- The **ARIS PPM Setup** tool can also be used to install or uninstall **ARIS PPM Analysis GUI**. The **setup.exe** installation tool for **ARIS PPM Analysis GUI** is part of the ARIS Client Setup and located in the **setup\ARIS** folder of the ARIS installer media. For more details on how to use the ARIS PPM Setup, please refer to the **PPM Installation** document.

## Upgrade

**ARIS PPM 10.5**, provides two different upgrade scenarios:

- Over-installation scenario to upgrade former **ARIS PPM 10.5.1** and higher to the latest **ARIS PPM 10.5.x** version.

The upgrade process contains an automatic migration of ARIS PPM clients and configuration settings. Existing data still needs to be migrated separately using the **PPM converter** tool. To update **ARIS PPM 10.5.0** to **ARIS PPM 10.5.x**, you must add an intermediate step and update your **ARIS PPM 10.5.0** first using the **ARIS PPM 10.5.5** setup. A direct update from **ARIS PPM 10.5.0** to **ARIS PPM 10.5.x** is **not possible**.

- Side-by-side installation scenario to upgrade older ARIS PPM versions **9.x,...,10.4** to latest **ARIS PPM 10.5.x**

The new ARIS PPM version is installed side-by-side to a different installation folder than its predecessor versions. There is no migration tool enabling you to upgrade directly but CTK supports a semi-automated migration for ARIS PPM clients and configuration.

After updating and migrating former PPM versions to the latest PPM version 10.5.x, you must also check your database drivers used. Make sure that the database drivers used are certified for Java 17. You can check the compatibility of the database driver on the manufacturers website. Database drivers not certified for Java 17 cannot be used with PPM version 10.5.7 and higher. For more details on upgrade scenarios and how to migrate data and configurations, please refer to the migration guide **PPM Migration**.

**ARIS PPM Analysis GUI 10.5 SR10** update:

It is not possible to update ARIS PPM Analysis GUI version 10.5.4, 10.5.5, or 10.5.6 automatically by connecting the Analysis UI to the updated PPM Server. This process does not update the used Java Runtime version used on the local client machine. To update the above-mentioned Analysis UI versions to 10.5.10, you must reinstall the application. You can download the new version also from the ARIS Download center.

## Analysis

- If the ARIS PPM client and server are located in different time zones, the server time is valid for all queries.
- If you use the ARIS PPM export functionality, for example, in combination with Microsoft® Excel, the CSV files use **ISO-8859-1** encoding by default. If you must change the encoding, specify the corresponding **UTF-8** encoding instead of the default **ISO encoding**

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in the client-specific files **csv.xml** and **csv\_formatted.xml**. These files are located in the following directory of each client:

**<PPM installation directory>\ppm\server\bin\work\data\_ppm \config\<client name>\report\xsl\.**

- If you jump from a **Data Analytics** analysis realm to the process instance list, you must ensure that the filters set do not exceed a certain number of dimension values. Currently, this value is 10,000 entries. If this number is exceeded, the jump to the process instance list is automatically aborted.

## Configuration

- We recommend the Firefox or Chrome browser for the usage of **Process Mining configurator**. From version 10.4 onwards Process Mining configurator enables you to easily create and import an ARIS PPM customizing based on a CSV file by using a Web interface without directly accessing the ARIS PPM server. CTK provides you with the **process\_mining\_configurator template** that you need to enable Process Mining configurator.
- In planned-value definitions, the use of n-level dimensions as filters is limited to nine levels.
- Process types can be configured only as two-level dimensions.
- Cardinality measures can be defined only at the most detailed or roughest level for n-level dimensions.

## Administration

- All ARIS PPM components are managed using PPM Cloud Controller (ACC). Please note that PPM Cloud Agent has to be started to use ACC.
- The RMI and Corba registries are managed using the **ppm\_core** component.
- The Web application server, the Web server for Query API, and the applet are managed using the **ppm\_web** component.
- ARIS PPM clients consist of two components: the ARIS PPM client server (prefix **\_cs**) and the ARIS PPM analysis server (prefix **\_as**).
- The new name of Cloud Agent runnables is as follows (for example ppm\_web):  
**20241018.101559\_ppm-web-run-prod-10.5.10.0-runnable.zip**.
- The basic user management functions (such as creating, deleting, and editing user data) are no longer available in the user administration of the ARIS PPM server. From version 9.0 onwards, these functions are provided in User Management. To create new users, you must start the **umcadmin** component in Cloud Agent. You can access this service in the Web browser using the following URL: <https://<hostname>/umc> (default). Specific ARIS PPM access privileges and function privileges are still managed and stored in ARIS PPM. Users registered in the User Management component must have the **ARIS PPM user** privilege to be able to use ARIS PPM.

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- The User Management provides you with the system user **system** in combination with the password **manager**. If you log in with this user and password, you can create and edit new ARIS PPM users. As of ARIS PPM version 9.6, there is a new additional administration user with the username **administrator** and the password **manage**.
  - You can enable the HTTPS protocol for the Loadbalancer using ACC. For further information, refer to the document **PPM Operations Guide**.

## Demo Database

- After you have installed the product, the related demo databases are available in the directory **<PPM installation directory>\ppm\server\bin\work\data\_ppm\custom\ <client>**.
- The demo data of the process instance ranges from 2014 to 2017.
- The **Function Flow** widget for MashZone NextGen is a part of the demo database. The demo database also includes the **Order processing** demo dashboard. A corresponding description is also available. In addition, the widgets **Process Variants**, **Root Cause Miner**, and **Jump to ARIS PPM client** are delivered independently as a part of ARIS PPM.

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## 7 Changes in version 10.5.10

### 7.1 Resolved issues in current version

The following issues were addressed in the current release:

- Security Issues: ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. In general, detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.
- For legal reasons all Legal Notices including copyright information were updated in the product and the product documentation. This also included the exchange of some outdated icons and logos.
- CTK provides functionality to create client specific documentation containing an overview in HTML format for measures and dimensions. The issue creating the HTML overview pages was fixed for the current version.

### 7.2 Documentation changes

- Legal Notices including copyright information was updated for all documents
- Software AG Logo was removed from all documents
- All documents are still available on the DVD, but a new Document Overview page was created for the product that provides new links to the ARIS documentation page. The old link <https://documentation.softwareag.com> is no longer valid.

### 7.3 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.9	ARIS Process Performance Manager 10.5.10

### 7.4 Added, removed, deprecated or changed items

Added Item	Description
none	

Removed Item	Replacement, if any
none	

Deprecated Item	Replacement, if any
Creation of expert documentation in CTK for the specific client configuration	
XLS based Data Import for process instance-independent measures in the analysis UI (PIKIs).	

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Process Instances, UI component (located in Administration) used for aggregated paramsets.

Export component of PPM Report function (configured in the configuration part of the analysis UI).

SAP systems SAP ERP/ECC < 6.0.

CPI (Continuous Process Improvement).

Calculation of internal database statistics ("-genstats" option of "runppmimport").

Support of region-specific encodings.

The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also must support UTF-8 characters).

ARIS PPM Analysis GUI installation on the client machine.

Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the PPM Analysis GUI

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.

Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.



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Changed Item	Description
none	

## 7.5 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013) The new name of Cloud Agent runnables is composed as shown in the following example: <b>20241019.091714_ppm-web-run-prod-10.5.10.0-runnable.zip</b>

## 7.6 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 7.7 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

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## 8 Former Versions

### 8.1 Release 10.5.9

#### 8.1.1 Fixes included in 10.5.9

- No fixes available for ARIS PPM 10.5.9

#### 8.1.2 Resolved issues in 10.5.9

- Security Issues: ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. In general, detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.
- [Security] ACS-12447 Vulnerable 3rd party lib xercesImpl-2.12.2.jar used.  
This issue was closed as functionality described in the CVE-2017-10355 is not used by PPM application and hence was declared a false positive.
- [CTK] ACS-12574 (SI-556318) Error when trying to save calculated attribute  
Using string operators (e.g. concat) as operands of containstext operator in a calculation rule leads to an error while trying to save the rule to xml. There is a workaround available for this issue for older PPM versions: use eq operator instead of containstext operator. For this PPM version, the issue is resolved.

#### 8.1.3 Documentation changes

- PPM Operation Guide 10.5.9

#### 8.1.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.8	ARIS Process Performance Manager 10.5.9

#### 8.1.5 Added, removed, deprecated or changed items

Added Item	Description
none	
Removed Item	Replacement, if any
none	

Deprecated Item	Replacement, if any
<p>XLS based Data Import for process instance-independent measures in the analysis UI (PIKIs).</p> <p>Process Instances, UI component (located in Administration) used for aggregated paramsets.</p> <p>Export component of PPM Report function (configured in the configuration part of the analysis UI).</p> <p>SAP systems SAP ERP/ECC &lt; 6.0.</p> <p>CPI (Continuous Process Improvement).</p> <p>Calculation of internal database statistics ("-genstats" option of "runppmimport").</p> <p>Support of region-specific encodings.</p>	<p>The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also must support UTF-8 characters).</p>
<p>ARIS PPM Analysis GUI installation on the client machine.</p>	
<p>Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the PPM Analysis GUI</p>	
<p>Shared fragment mechanism and corresponding configuration elements for shared fragments.</p>	
<p>The usage of shared functions.</p>	

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Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

Changed Item	Description
none	

## 8.1.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013) The new name of Cloud Agent runnables is composed as shown in the following example: <b>20240610.091714_ppm-web-run-prod-10.5.9.0-runnable.zip</b>

## 8.1.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.1.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

## 8.2 Release 10.5.8

### 8.2.1 Fixes included in 10.5.8

- No fixes available for ARIS PPM 10.5.8

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## 8.2.2 Resolved issues in 10.5.8

The following issues were addressed in the current release:

- Security Issues: ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. In general, detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.
- [IMPORT] ACS-12375 An error has been detected using the older Java Runtime Environment Zulu 17.42. ARIS PPM was updated to a newer version of the Java Runtime (Zulu 17.46). The issue is fixed in the current version.

## 8.2.3 Documentation changes

- No changes in documentation for version ARIS PPM 10.5.8

## 8.2.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.7	ARIS Process Performance Manager 10.5.8

## 8.2.5 Added, removed, deprecated or changed items

Added Item	Description
None	

Removed Item	Replacement, if any
none	

Deprecated Item	Replacement, if any
XLS based Data Import for process instance-independent measures in the analysis UI (PIKIs).	
Process Instances, UI component (located in Administration) used for aggregated paramsets.	
Export component of PPM Report function (configured in the configuration part of the analysis UI).	

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SAP systems SAP ERP/ECC < 6.0.

CPI (Continuous Process Improvement).

Calculation of internal database statistics ("-genstats" option of "runppmimport").

Support of region-specific encodings.

The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also must support UTF-8 characters).

ARIS PPM Analysis GUI installation on the client machine.

Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the PPM Analysis GUI

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.

Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

Changed Item	Description
none	

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## 8.2.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013) The new name of Cloud Agent runnables is composed as shown in the following example: <b>20240410.091714_ppm-web-run-prod-10.5.8.0-runnable.zip</b>

## 8.2.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.2.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

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## 8.3 Release 10.5.7

### 8.3.1 Fixes included in 10.5.7

- No fixes available for ARIS PPM 10.5.7

### 8.3.2 Resolved issues in 10.5.7

#### Security Issues

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

JRE specific folder "drivers\_ckpt" was removed.

In the current version of PPM, the folder "drivers\_ckpt", which was introduced in the previous version of PPM, was removed. Both PPM and the CTK refer to the same "drivers" folder only.

### 8.3.3 Documentation changes

- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5.7
- PPM Installation in ARIS PPM 10.5.7

### 8.3.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.6	ARIS Process Performance Manager 10.5.7

### 8.3.5 Added, removed, deprecated or changed items

Added Item	Description
Java 17 Runtime in CTK	The CTK now supports JAVA Runtime version 17, as PPM does from version 10.5.6 onwards.

  

Removed Item	Replacement, if any
Java 11 Runtime	Java 17 Runtime for all components
Java 8 Runtime	Java 17 Runtime for all components



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AML Export

Directory  
<install  
dir>/ppm/server/bin/work/data\_ppm  
/drivers\_ckpt  
which was temporarily introduced in version  
10.5.6. was removed.

Deprecated Item	Replacement, if any
<p>XLS based Data Import for process instance-independent measures in the analysis UI (PIKIs).</p> <p>Process Instances, UI component (located in Administration) used for aggregated paramsets.</p> <p>Export component of PPM Report function (configured in the configuration part of the analysis UI).</p> <p>SAP systems SAP ERP/ECC &lt; 6.0.</p> <p>CPI (Continuous Process Improvement).</p> <p>Calculation of internal database statistics ("-genstats" option of "runppmimport").</p> <p>Support of region-specific encodings.</p>	<p>The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also must support UTF-8 characters).</p>
<p>ARIS PPM Analysis GUI installation on the client machine.</p> <p>Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the PPM Analysis GUI</p> <p>Shared fragment mechanism and corresponding configuration elements for shared fragments.</p> <p>The usage of shared functions.</p>	

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Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

Changed Item	Description
CTK database driver handling	Directory <b>&lt;install dir&gt; \ppm\server\bin\work\data_ppm\drivers_ckt</b> was removed. CTK uses the following directory (same as PPM): <b>&lt;install dir&gt; \ppm\server\bin\work\data_ppm\drivers</b>
Reporting	With ARIS PPM 10.5.7, the report temporary directory was changed to <b>&lt;installdir&gt;/ppm/server/temp</b> Reason: Until ARIS PPM 10.5.6 the value of the Java system property java.io.tmpdir was used as temporary directory. On Windows the value could be <b>%USERPROFILE%\AppData\Local\Temp</b> . That was causing permission issues when creating the temporary report directory.

---

### 8.3.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013) The new name of Cloud Agent runnables is composed as shown in the following example: <b>20240210.091714_ppm-web-run-prod-10.5.8.0-runnable.zip</b>

### 8.3.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

### 8.3.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

## 8.4 Release 10.5.6

### 8.4.1 Fixes included in 10.5.6

- ARIS PPM 10.5.6 fix version (10.5.6.1), released 04/18/2023.

### 8.4.2 Resolved issues in 10.5.6

Security Issues

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

### 8.4.3 Documentation changes

- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5.6
- PPM Installation in ARIS PPM 10.5.6
- PPM Database Systems Guide 10.5.6
- PPM Operation Guide 10.5.6

---

## 8.4.4 Terminology changes

## 8.4.5 Added, removed, deprecated or changed items

Added Item	Description
Java 17 Runtime	ARIS PPM uses the new Java 17 runtime. Some components (like CTK) still use JRE11

Removed Item	Replacement, if any
Java 8 Runtime	Java 11 and 17 Runtime

Deprecated Item	Replacement, if any
AML export component in the analysis UI	
XLS based Data Import for process instance-independent measures in the analysis UI (PIKIs).	
Process Instances, UI component (located in Administration) used for aggregated paramsets.	
Export component of PPM Report function (configured in the configuration part of the analysis UI).	
SAP systems SAP ERP/ECC < 6.0.	
CPI (Continuous Process Improvement).	
Calculation of internal database statistics ("-genstats" option of "runppmimport").	
Support of region-specific encodings.	The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also must support UTF-8 characters).
ARIS PPM Analysis GUI installation on the client machine.	

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Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the PPM Analysis GUI

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.

Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

Changed Item	Description
CTK database driver handling	Created new drivers directory for CTK: <b>&lt;install dir&gt; \ppm\server\bin\work\data_ppm \drivers_ctk</b> CTK only support JRE11 compatible database drivers. Just copy these drivers to the above mentioned directory. CTK will only use this drivers directory.

---

## 8.4.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013) The new name of Cloud Agent runnables is composed as shown in the following example: <b>20230406.091714_ppm-web-run-prod-10.5.6.0-runnable.zip</b>

## 8.4.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.4.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

## 8.5 Release 10.5.5

### 8.5.1 Fixes included in 10.5.5

- ARIS PPM 10.5.5 fix version (10.5.5.2), released 01/05/2023
- ARIS PPM 10.5.5 fix version (10.5.5.1), released 11/10/2022

### 8.5.2 Resolved issues in 10.5.5

ACS-12195 (SI-489701, Fix 2)

In ARIS PPM CTK leading and trailing whitespaces were removed from operand `_CONSTANT_`. This issue is fixed in the current version.

ACS-12163 (Fix 1)

Security

Third party lib updates due to security vulnerability CVE-2022-42889.

-> Update Apache commons-text to version 1.10.0

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For detailed information: <https://nvd.nist.gov/>

### 8.5.3 Documentation changes

- PPM Compendium in ARIS PPM 10.5.5
- PPM Help topics in ARIS PPM 10.5.5
- PPM Embedded Help in ARIS PPM 10.5.5
- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5.5
- PPM System Architecture in ARIS PPM 10.5.5
- PPM Operation Guide in ARIS PPM 10.5.5
- PPM Installation in ARIS PPM 10.5.5
- PPM Database Systems in ARIS PPM 10.5.5
- PPM Advanced Analysis ARIS PPM 10.5.5
- PPM Data Analytics in ARIS PPM 10.5.5
- PPM Data Import in ARIS PPM 10.5.5
- PPM Customizing in ARIS PPM 10.5.5
- PPM Customizing Toolkit 10.5.5
- ARIS PPM Process Extractors in PPM 10.5.5
- ARIS PPM Process Extractor SAP-2-PPM - SAP Administration in ARIS PPM 10.5.5
- PPM Content Package for SAP MM 2 PPM 10.5.5
- PPM Content Package for SAP SD ARIS PPM 10.5.5
- PPM Process Events Import ARIS PPM 10.5.5
- PPM Cloud Infrastructure ARIS PPM 10.5.5
- PPM Widgets for MZNG in ARIS PPM 10.5.5
- PPM Process Conformance Checking with ARIS in ARIS PPM 10.5.5

### 8.5.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.4	ARIS Process Performance Manager 10.5.5

### 8.5.5 Added, removed, deprecated or changed items

Added Item	Description
Java 11 Runtime	ARIS PPM uses the new Java 11 runtime.

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<b>Removed Item</b>	<b>Replacement, if any</b>
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In this version no items were removed.

<b>Deprecated Item</b>	<b>Replacement, if any</b>
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Data Input component for process instance-independent measures in the analysis UI (PIKIs).

Process Instances, UI component (located in Administration) used for aggregated paramsets.

Export component of ARIS PPM Report function (configured in the configuration part of the analysis UI).

SAP systems SAP ERP/ECC < 6.0.

CPI (Continuous Process Improvement).

Calculation of internal database statistics ("-genstats" option of "runppmimport").

Support of region-specific encodings.

The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also must support UTF-8 characters).

ARIS PPM Analysis GUI installation on the client machine.

Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the ARIS PPM Analysis UI

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.



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Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

Changed Item	Description
No items were changed	

### 8.5.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013) The new name of Cloud Agent runnables is composed as shown in the following example: <b>20220326.091714_ppm-web-run-prod-10.5.4.0-runnable.zip</b>

### 8.5.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

### 8.5.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

## 8.6 Release 10.5.4

### 8.6.1 Fixes included in 10.5.4

- ARIS PPM 10.5.4 fix version (10.5.4.3), released 12/23/2022
- ARIS PPM 10.5.4 fix version (10.5.4.2), released 11/10/2022
- ARIS PPM 10.5.4 fix version (10.5.4.1), released 09/16/2022

---

## 8.6.2 Resolved issues in 10.5.4

ACS-12189 (SI-489701, Fix 3)

In ARIS PPM CTK leading and trailing whitespaces were removed from operand `_CONSTANT_`. This issue is fixed in the current version.

ACS-12170 (Fix 2)

Security

Third party lib updates due to security vulnerability CVE-2022-42889.

-> Update Apache commons-text to version 1.10.0

For detailed information: <https://nvd.nist.gov/>

ACS-12002 (Fix 1)

During the ARIS PPM update installation the value of the property `autostart.mode` was set to off. Further starts of the runnables need to be triggered manually. This issue is fixed in the current version.

ACS-12083 (Fix 1)

After the ARIS PPM update installation some of the scripts located in `<installdir>/ppm/server/support` (e.g. `collectlogfiles.bat`) failed with an error. This issue is fixed in the current version.

## 8.6.3 Documentation changes

- PPM Compendium in ARIS PPM 10.5.4
- PPM Help topics in ARIS PPM 10.5.4
- PPM Embedded Help in ARIS PPM 10.5.4
- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5.4
- PPM System Architecture in ARIS PPM 10.5.4
- PPM Operation Guide in ARIS PPM 10.5.4
- PPM Installation in ARIS PPM 10.5.4
- PPM Database Systems in ARIS PPM 10.5.4
- PPM Advanced Analysis ARIS PPM 10.5.4
- PPM Data Analytics in ARIS PPM 10.5.4
- PPM Data Import in ARIS PPM 10.5.4
- PPM Customizing in ARIS PPM 10.5.4
- PPM Customizing Toolkit 10.5.4
- ARIS PPM Process Extractors in PPM 10.5.4

- ARIS PPM Process Extractor SAP-2-PPM - SAP Administration in ARIS PPM 10.5.4
- PPM Content Package for SAP MM ARIS PPM 10.5.4
- PPM Content Package for SAP SD ARIS PPM 10.5.4
- PPM Process Events Import ARIS PPM 10.5.4
- PPM Cloud Infrastructure ARIS PPM 10.5.4
- PPM Widgets for MZNG in ARIS PPM 10.5.4
- PPM Process Conformance Checking with ARIS in ARIS PPM 10.5.4

## 8.6.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.3	ARIS Process Performance Manager 10.5.4

## 8.6.5 Added, removed, deprecated or changed items

Added Item	Description
Java 11 Runtime	ARIS PPM uses the new Java 11 runtime.

Removed Item	Replacement, if any
In this version no items were removed.	

Deprecated Item	Replacement, if any
Data Input component for process instance-independent measures in the analysis UI (PIKIs).	
Process Instances, UI component (located in Administration) used for aggregated paramsets.	
Export component of ARIS PPM Report function (configured in the configuration part of the analysis UI).	
SAP systems SAP ERP/ECC < 6.0.	
CPI (Continuous Process Improvement).	

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Calculation of internal database statistics ("-genstats" option of "runppmimport").

Support of region-specific encodings.

The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also must support UTF-8 characters).

ARIS PPM Analysis GUI installation on the client machine.

Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the ARIS PPM Analysis UI

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.

Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

Changed Item	Description
Disabling health check	The Command for disabling health check has changed. For more information please consult the <b>PPM Operations Guide</b>

---

## 8.6.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (PPM Cloud Agent 10.5, 17013) The new name of Cloud Agent runnables is composed as shown in the following example: <b>20220326.091714_ppm-web-run-prod-10.5.4.0-runnable.zip</b>

## 8.6.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.6.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

## 8.7 Release 10.5.3

### 8.7.1 Fixes included in 10.5.3

- ARIS PPM 10.5.3 fix version (10.5.3.5), released 11/21/2022
- ARIS PPM 10.5.3 fix version (10.5.3.4), released 07/01/2022
- ARIS PPM 10.5.3 fix version (10.5.3.3), released 07/07/2020
- ARIS PPM 10.5.3 fix version (10.5.3.2), released 02/04/2020
- ARIS PPM 10.5.3 fix version (10.5.3.1), released 11/22/2019

### 8.7.2 Resolved issues in 10.5.3

ACS-12171 (Fix 5)

Security

Third party lib updates due to security vulnerability CVE-2022-42889.

-> Update Apache commons-text to version 1.10.0

For detailed information: <https://nvd.nist.gov/>

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ACS-12061 (SI-471010, SI471561, Fix 4)

Security

Third party lib updates due to security vulnerability CVE-2022-22720.

-> Update Apache HTTPD to version 2.4.53

For detailed information: <https://nvd.nist.gov/>

ACS-11989 (Fix 4)

During the ARIS PPM Agent update installation the value of the property autostart.mode was set to off. Further starts of the runnables need to be triggered manually. This issue is fixed in the current version.

ACS-11980 (SI-464563, Fix 4)

ARIS PPM fix installation failed on Linux in case that no PPM client was installed before applying the fix. This issue is fixed in the current version.

ACS-11904 (SI-459207, Fix 3)

Printing log information into a protocol file shows some issues with timestamps in the file.

All Extractors are affected.

This issue is fixed in the current version.

ACS-11830 (Fix1) and ACS-11854 (Fix2) Security Issues

PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

ACS-11818 (Fix 1)

The logging service of the cloud controller may not be initialized correctly.

This may lead to problems logging other problems during operations.

This issue is fixed in the current version.

### **8.7.3 Documentation changes**

- PPM Compendium in ARIS PPM 10.5.3
- PPM Help topics in ARIS PPM 10.5.3
- PPM Embedded Help in ARIS PPM 10.5.3
- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5.3
- PPM System Architecture in ARIS PPM 10.5.3

- PPM Operation Guide in ARIS PPM 10.5.3
- PPM Installation in ARIS PPM 10.5.3
- PPM Database Systems in ARIS PPM 10.5.3
- PPM Advanced Analysis ARIS PPM 10.5.3
- PPM Data Analytics in ARIS PPM 10.5.3
- PPM Data Import in ARIS PPM 10.5.3
- PPM Customizing in ARIS PPM 10.5.3
- PPM Customizing Toolkit 10.5.3
- ARIS PPM Process Extractors in PPM 10.5.3
- ARIS PPM Process Extractor SAP-2-PPM - SAP Administration in ARIS PPM 10.5.3
- PPM Content Package for SAP MM ARIS PPM 10.5.3
- PPM Content Package for SAP SD ARIS PPM 10.5.3
- PPM Process Events Import ARIS PPM 10.5.3
- PPM Cloud Infrastructure ARIS PPM 10.5.3
- PPM Widgets for MZNG in ARIS PPM 10.5.3
- PPM Process Conformance Checking with ARIS in ARIS PPM 10.5.3

## 8.7.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.2	ARIS Process Performance Manager 10.5.3

## 8.7.5 Added, removed, deprecated or changed items

Added Item	Description
In this version, no items were added.	

Removed Item	Replacement, if any
Querying sequences via Oracle JDBC driver is no longer supported by Oracle. This results in a warning message if genDrop is used: "The underlying database schema does not support the complete deletion of the database contents."	

Deprecated Item	Replacement, if any
Data Input component for process instance-independent measures in the analysis UI (PIKIs).	
Process Instances, UI component (located in Administration) used for aggregated paramsets.	
Export component of ARIS PPM Report function (configured in the configuration part of the analysis UI).	
SAP systems SAP ERP/ECC < 6.0.	
CPI (Continuous Process Improvement).	
Calculation of internal database statistics ("-genstats" option of "runppmimport").	
Support of region-specific encodings.	The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also has to support UTF-8 characters).
ARIS PPM Analysis GUI installation on the client machine.	
Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the ARIS PPM Analysis UI	
Shared fragment mechanism and corresponding configuration elements for shared fragments.	
The usage of shared functions.	



---

Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

## 8.7.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013). The new name of Cloud Agent runnables is composed as in the following example: <b>20210926.091714_ppm-web-run-prod-10.5.3.0-runnable.zip</b>

## 8.7.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.7.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

---

## 8.8 Release 10.5.2

### 8.8.1 Fixes included in 10.5.2

- ARIS PPM 10.5.2 fix version (10.5.2.2), released 09/16/2022
- ARIS PPM 10.5.2 fix version (10.5.2.1), released 12/27/2021

### 8.8.2 Resolved issues in 10.5.2

ACS-11921 (Fix 2)

Printing log information into a protocol file shows some issues with timestamps in the file. All Extractors are affected and the issue is fixed in the current version.

ACS-11982 (Fix 2)

ARIS PPM fix installation failed on Linux in case that no ARIS PPM client was installed before applying the fix. This issue is fixed in the current version.

ACS-11831 (Fix 1) Security Issues

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

ACS-11750 (Fix 1)

Migrating clients from version ARIS PPM 10.5.0 to new version, the automation during update process fails to reconfigure some paths of log settings in a client. This issue is fixed in the current version.

ACS-11816 (Fix 1)

The logging service of the cloud controller is not initialized correctly after startup. This may lead to problems logging other problems during operations. This issue is fixed in the current version.

### 8.8.3 Documentation changes

- PPM Compendium in ARIS PPM 10.5.2
- PPM Help topics in ARIS PPM 10.5.2
- PPM Embedded Help in ARIS PPM 10.5.2
- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5.2

- PPM System Architecture in ARIS PPM 10.5.2
- PPM Operation Guide in ARIS PPM 10.5.2
- PPM Installation in ARIS PPM 10.5.2
- PPM Database Systems in ARIS PPM 10.5.2
- PPM Advanced Analysis ARIS PPM 10.5.2
- PPM Data Analytics in ARIS PPM 10.5.2
- PPM Data Import in ARIS PPM 10.5.2
- PPM Customizing in ARIS PPM 10.5.2
- PPM Customizing Toolkit 10.5.2
- ARIS PPM Process Extractors in PPM 10.5.2
- ARIS PPM Process Extractor SAP-2-PPM - SAP Administration in ARIS PPM 10.5.2
- PPM Content Package for SAP MM ARIS PPM 10.5.2
- PPM Content Package for SAP SD ARIS PPM 10.5.2
- PPM Process Events Import ARIS PPM 10.5.2
- PPM Cloud Infrastructure ARIS PPM 10.5.2
- PPM Widgets for MZNG in ARIS PPM 10.5.2
- PPM Process Conformance Checking with ARIS in ARIS PPM 10.5.2

## 8.8.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5.1	ARIS Process Performance Manager 10.5.2

## 8.8.5 Added, removed, deprecated or changed items

Added Item	Description
Azure Cloud Platform	With this version the Cloud Platform Azure provided by Microsoft is also supported. ARIS PPM instances created in Azure support Windows Server OS and Linux OS mentioned in the System Requirements.

---

Removed Item	Replacement, if any
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EDA events are no longer available in ARIS PPM.

The following features based on EDA events are removed:

- ARIS PPM Process Extractor **Universal Messaging-2-PPM**
- CTK template **wm\_process**, which uses Universal Messaging data sources.

For former **wm\_process** clients migrated to ARIS PPM 10.5.2 the current CTK issues an error messages because EDA data sources are no longer supported.

Deprecated Item	Replacement, if any
-----------------	---------------------

Data Input component for process instance-independent measures in the analysis UI (PIKIs).

Process Instances, UI component (located in Administration) used for aggregated paramsets.

Export component of ARIS PPM Report function (configured in the configuration part of the analysis UI).

SAP systems SAP ERP/ECC < 6.0.

CPI (Continuous Process Improvement).

Calculation of internal database statistics ("-genstats" option of "runppmimport").

Support of region-specific encodings.

The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also has to support UTF-8 characters).

ARIS PPM Analysis GUI installation on the client machine.

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Switching from the process instance list view in ARIS PPM to the transaction module in SAP is deprecated for the Download Client and the PPM Analysis GUI

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.

Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

## 8.8.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013). The new name of Cloud Agent runnables is composed as in the following example: <b>20210226.091714_ppm-web-run-prod-10.5.2.0-runnable.zip</b>

## 8.8.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.8.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

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## 8.9 Release 10.5.1

### 8.9.1 Fixes included in 10.5.1

- ARIS PPM 10.5.1 fix version (10.5.1.7), released 04/21/2022
- ARIS PPM 10.5.1 fix version (10.5.1.6), released 01/21/2022
- ARIS PPM 10.5.1 fix version (10.5.1.5), released 12/27/2021
- ARIS PPM 10.5.1 fix version (10.5.1.4), released 05/18/2021
- ARIS PPM 10.5.1 fix version (10.5.1.3), released 07/07/2020
- ARIS PPM 10.5.1 fix version (10.5.1.2), released 02/04/2020
- ARIS PPM 10.5.1 fix version (10.5.1.1), released 11/22/2019

### 8.9.2 Resolved issues in 10.5.1

ACS-11994 (Fix 7)

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

ACS-11886 (Fix 6)

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

ACS-11881 (SI-457516, Fix 6)

After download the ARIS PPM Download Client doesn't start when double click on ARISPPMClientDownloader10.5.jar file.

The issue is resolved in the current version.

ACS-11839 (Fix 5)

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

ACS-11437 (Pivotal ID 5424698,Fix 4)

The runnables ppm\_core, ppm\_web and the client server and analysis server runnables don't accept a connection from JConsole via JMX.

The issue is resolved in the current version.

ACS-11434 (Pivotal ID 5421653,Fix 4)

---

In special cases, when the system was rebooted, the start of the ARIS PPM runnables failed with a time out error when checking the existence of a file containing process information.

The issue is resolved in the current version. The number of checks has been increased.

ACS-11463 (Pivotal 1432913, Fix 4)

The function flow widget did not show every node when using non-ASCII characters if two or more node names had the same length.

This issue is resolved in the current version.

ACS-11466 (Fix 4)

Processes are assigned to the "Default Variant" if variants on root level are used in combination with multiple process types using process tree extension.

This issue is resolved in the current version.

ACS-11520 (Fix 4)

Security Update: 3rd party library "jetty-server-9.4.18.v20190429" has known security vulnerabilities. Library updated to the most recent version.

ACS-11548 (Fix 4)

Security Update: 3rd party library "batik-css-1.13" has known security vulnerabilities. Library updated to the most recent version.

ACS-11562 (Fix4)

Configuring a new SQL Server 2019 database connection with a named instance, the instance name is ignored by the configuration dialog and the connection is configured with the default instance name.

This issue is resolved in the current version.

System Requirements (Fix3)

With this new Fix for Process Performance Manager 10.5 SR1, the Cloud Platform Azure provided by Microsoft is also supported. ARIS PPM instances created in Azure support Windows Server 2019 and Cent OS 8 as Operating Systems.

Documentation (Fix3)

A new set of Technical documentation was released due to the certification of

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Microsoft Azure. Affected documents are:  
PPM Operation Guide (English version only)  
ARIS PPM Cloud Infrastructure (only available in English)

ACS-11369 (Fix3)

Update code signing certificate  
Jar files have been signed with a new certificate  
Valid From: 18.05.2020 02:00:00 MESZ  
Valid Until: 20.05.2022 14:00:00 MESZ

ACS-11285 (Pivotal ID 5406668,Fix 2)

In special cases, if a big number of different filters on text dimensions is used in queries, there was a performance issue when using dashboards. The issue is resolved in the current version.

ACS-11323 (Pivotal ID 5413079,Fix 2)

If calculation class "ZNumberOperation\_sap2ppm" was used with a table field which did contain an empty value, an error occurred during extraction process. The issue is resolved in the current version. Empty values will be ignored.

ACS-11302 (Fix 1)

Statistics output:  
If number of visited lines of a query with dimension filter was zero, this resulted in a wrong statistic output (question mark in "Selectivity: Average" of dimension statistics). The issue is resolved in the current version.

Documentation (Fix 1)

With this new fix the technical documentation (like Installation Guide, Operations Guide etc.) is also available in German and Portuguese language.

Online Help/Embedded Help (Fix 1)

With this new fix the Online Help and Embedded Help are also available in German, Portuguese and Japanese language.

ACS-11262 (Pivotal ID 5403639)

Filtering on multilevel dimensions



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When multi-level dimensions were filtered in CTK, a problem with the filtered view occurred after the editing of dimension names.

ACS-11194 (Pivotal ID 5399724)

Factorytimespan changes

Changing the 'factorytimespan' parameter to a normal time in CTK was not saved and updated properly.

ACS-11015 (Pivotal ID 5393807)

EPC view issue

In the ARIS PPM EPC view the end time was calculated for single process instances but not displayed properly.

ACS-10968 (Pivotal ID 5392241)

User defined steps issue

During the definition of a float dimension with calculated attribute of type time span an error occurred for user-defined steps.

ACS-10947 (Pivotal ID 5378356)

In the Conformance check an error occurred during the ARIS PPM import in case of mismatching start nodes and connectors of a nonconforming process instance in a reference model.

ACS-10881 (Pivotal ID 5386052)

CTK Automation

If an automation has been run and one of the related batch files of the automation created certain nonprintable characters (e.g. a form feed character) in its console output, in some cases the automation definitions were no longer accessible in CTK.

### **8.9.3 Documentation changes**

- PPM Compendium in ARIS PPM 10.5.1
- PPM Help topics in ARIS PPM 10.5.1
- PPM Embedded Help in ARIS PPM 10.5.1
- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5.1
- PPM System Architecture in ARIS PPM 10.5.1
- PPM Operation Guide in ARIS PPM 10.5.1

- PPM Installation in ARIS PPM 10.5.1
- PPM Database Systems in ARIS PPM 10.5.1
- PPM Advanced Analysis ARIS PPM 10.5.1
- PPM Data Analytics in ARIS PPM 10.5.1
- PPM Data Import in ARIS PPM 10.5.1
- PPM Customizing in ARIS PPM 10.5.1
- PPM Customizing Toolkit 10.5.1
- ARIS PPM Process Extractors in ARIS PPM 10.5.1
- ARIS PPM Process Extractor SAP-2-PPM - SAP Administration in ARIS PPM 10.5.1
- PPM Content Package for SAP MM ARIS PPM 10.5.1
- PPM Content Package for SAP SD ARIS PPM 10.5.1
- PPM Process Events Import ARIS PPM 10.5.1
- PPM Cloud Infrastructure ARIS PPM 10.5.1
- PPM Widgets for MZNG in ARIS PPM 10.5.1
- PPM Process Conformance Checking with ARIS in ARIS PPM 10.5.1
- PPM Widgets for MZNG in ARIS PPM 10.5.1
- PPM Process Conformance Checking with ARIS in ARIS PPM 10.5.1

## 8.9.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.5	ARIS Process Performance Manager 10.5.1

## 8.9.5 Added, removed, deprecated, or changed items

Added Item	Description
Database platform SQL Server 2019	Usage of database SQL Server 19 is possible now.
Conformance Check Widget	Widget to support the Conformance Check functionality with ARIS Aware 12 onwards.

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## Replacement, if any

### Deprecated Item

Data Input component for process instance-independent measures in the analysis UI (PIKIs).

Process Instances, UI component (located in Administration) used for aggregated paramsets

Export component of ARIS PPM Report function (configured in the configuration part of the analysis UI).

SAP systems SAP ERP/ECC < 6.0.

CPI (Continuous Process Improvement).

Calculation of internal database statistics ("-genstats" option of "runppmimport").

Support of region-specific encodings.

The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database schema (which also has to support UTF-8 characters).

ARIS PPM Analysis GUI installation on the client machine.

EDA events are marked as deprecated as well as the following features that are based on EDA events:

- ARIS PPM Process Extractor Universal Messaging-2-PPM
- CTK template **WM\_process**, which uses Universal Messaging data sources.

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.

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Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

<b>Changed Item</b>	<b>Description</b>
Function Flow Widget	The Function Flow Widget is now able to display processes with a single function.

---

Create queries with limited number of steps

The number of steps in the result set of a query is limited by the property "RETRIEVER\_MAX\_ITERATION\_STEPS" in the file AnalysisServer\_settings.properties.

If the Analysis-Server reaches this limit during result set generation, it will abort the query with a message, saying that the configured number of steps has been reached.

When this message is being displayed to the user in the chart, table or gantt view, the user is able to ignore this message and force the request of this query by pressing a "Query" button.

Until ARIS PPM 10.5.1 this 2nd request enabled the user to request the query with an unlimited amount of steps which could lead to a massive use of server resources on both the client server and the analysis-Server.

Starting with ARIS PPM 10.5.1 this 2nd query will be limited to 50,000 steps.

Already existing queries with unlimited number of steps will be limited to 1,000,000 steps.

These values can be configured in the file Keyindicator\_settings.properties

(RETRIEVER\_MAX\_ITERATION\_STEPS\_EXTENDED and RETRIEVER\_MAX\_ITERATION\_STEPS\_LIMIT).

These changes apply to queries executed by the UI, requests from MashZone (feeds and context), reports, exports and background favorite calculations.

Report fonts directory

The property "reports.itext.fonts\_directory" pointing to "c:/windows/fonts/" in the file Report\_settings.property is now obsolete for reports, created with the new report engine (see parameter "report.use\_new\_engine" in the file Report\_settings.properties).

The new report engine uses fonts from the system's font folder and additionally from "<ARIS PPM Install location>\ppm\server\jre\lib\fonts".

Additional fonts must be added to this location, if not already present in the system's font folder.

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## 8.9.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM Cloud Agent 10.5	The service name and default port are the same (ARIS PPM Cloud Agent 10.5, 17013). The new name of Cloud Agent runnables is composed as in the following example: <b>20200903.091714_ppm-web-run-prod-10.5.1.0-runnable.zip</b>

## 8.9.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.9.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

## 8.10 Release 10.5

### 8.10.1 Fixes included in 10.5

- ARIS PPM 10.5.0 fix version (10.5.0.5), released 04/21//2022
- ARIS PPM 10.5.0 fix version (10.5.0.4), released 12/27/2021
- ARIS PPM 10.5.0 fix version (10.5.0.3), released 08/13/2020
- ARIS PPM 10.5.0 fix version (10.5.0.2), released 02/04/2020
- ARIS PPM 10.5.0 fix version (10.5.0.1), released 11/22/2019

### 8.10.2 Resolved issues in 10.5

ACS-11984 (Fix 5)

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries.

ACS-11840 (Fix 4)

ARIS PPM uses some java-based 3<sup>rd</sup> party libraries. Detected security vulnerabilities within these libraries were fixed by updating or replacing these libraries

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ACS-11374 (Fix3)

Update code signing certificate

Jar files have been signed with a new certificate

Valid From: 18.05.2020 02:00:00 MESZ

Valid Until: 20.05.2022 14:00:00 MESZ

ACS-11133 (Fix3)

ARIS PPM Favorites in MashZone NG

When updating a favorite in ARIS PPM and requesting the data again from a MashZone NextGen Dashboard, the Dashboard still shows the old information and is not updated accordingly. This issue is resolved in the current version.

ACS-11101 (fix 2)

The configured encoding was ignored when the CSV input file was read by a CSV-2-PPM Process Extractor.

ACS-11085 (fix 2)

If several operators in a calculation rule Calculated Attributes in CTK were replaced by one using the pop-up menu, the application could be blocked and was no longer editable.

ACS-11059 (fix 2)

A query sent from ARIS PPM Analysis Server to ARIS PPM Client Server in an inappropriate format degraded the query performance.

ACS-11006 (fix 2)

During the installation of ARIS PPM Fix 1 the configuration settings for the ARIS PPM download client were overwritten by a default file.

ACS-10961 (fix 2)

After migration from ARIS PPM 10.3 or a former version the Java system properties for remote connection via JMX of a ARIS PPM client got lost.

ACS-10960 (fix 2)

When a new JDBC data source was created, the prefix for the auto-mapping (default "AT\_") was not automatically written to the corresponding configuration file.

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ACS-10923 (fix 1)

The action setSelection of the Function Flow widget could cause the following behavior: A wrong node could be selected in the function flow, if the name of a node occurred as a part of another node's name.

ACS-10919 (fix 1)

An Error that occurred during the check of the license expiration date was fixed.

ACS-10915 (Pivotal ID 5386052, fix 1)

During an automation run in CTK a problem could occur caused by certain non-printable characters.

Due this problem the automation definitions were no longer accessible.

ACS-10906 (Pivotal ID 5387920, Fix 1)

In the Conformance check, an error occurred during the ARIS PPM import if mismatching start nodes and connectors of a non-conforming process instance occurred in a reference model.

### **8.10.3 Documentation changes**

- PPM Compendium in ARIS PPM 10.5
- PPM Help topics in ARIS PPM 10.5
- PPM Embedded Help in ARIS PPM 10.5
- PPM Migration for former versions ARIS PPM 9.x, 10.0 to 10.5
- PPM System Architecture in ARIS PPM 10.5
- PPM Operation Guide in ARIS PPM 10.5
- PPM Installation in ARIS PPM 10.5
- PPM Database Systems in ARIS PPM 10.5
- PPM Advanced Analysis ARIS PPM 10.5
- PPM Data Analytics in ARIS PPM 10.5
- PPM Data Import in ARIS PPM 10.5
- PPM Customizing in ARIS PPM 10.5
- PPM Customizing Toolkit 10.5
- ARIS PPM Process Extractors in PPM 10.5
- ARIS PPM Process Extractor SAP-2-PPM - SAP Administration in ARIS PPM 10.5
- PPM Content Package for SAP MM ARIS PPM 10.5
- PPM Content Package for SAP SD ARIS PPM 10.5
- PPM Process Events Import ARIS PPM 10.5



- PPM Cloud Infrastructure ARIS PPM 10.5
- PPM Widgets for MZNG in ARIS PPM 10.5
- PPM Process Conformance Checking with ARIS in ARIS PPM 10.5

## 8.10.4 Terminology changes

Old Term	New Term
ARIS Process Performance Manager 10.4	ARIS Process Performance Manager 10.5

## 8.10.5 Added, removed, deprecated or changed items

Added Item	Description
Database platform Oracle 19	Usage of database Oracle 19 is possible now.

Deprecated Item	Replacement, if any
Data Input component for process instance-independent measures in the analysis UI (PIKIs).	
Process Instances, UI component (located in Administration) used for aggregated paramsets	
Export component of ARIS PPM Report function (configured in the configuration part of the analysis UI).	
SAP systems SAP ERP/ECC < 6.0.	
CPI (Continuous Process Improvement).	
Calculation of internal database statistics ("-genstats" option of "runppmimport").	
Support of region-specific encodings.	The encoding (that can be selected during client creation in CTK) will be limited to only support UTF-8 for future versions. This also includes the encoding of the underlying database scheme (which also has to support UTF-8 characters).
ARIS PPM Analysis GUI installation on the client machine.	

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EDA events are marked as deprecated as well as the following features that are based on EDA events:

- ARIS PPM Process Extractor Universal Messaging-2-PPM
- CTK template **WM\_process**, which uses Universal Messaging data sources.

Shared fragment mechanism and corresponding configuration elements for shared fragments.

The usage of shared functions.

Configuration classes (for example, calculation classes, merge algorithms, keyrules, transformation rules) that do not refer to classes delivered with the standard product installation of ARIS PPM.

Report engine < ARIS PPM 9.6. The option to use the older version of the report engine *will phase out*.

Changed Item	Description
Analysis Server indices	Analysis Server indices as configured in <b>AnalysisServer_settings.properties</b> file are added/removed automatically during process data import and analysis server restart (before version 10.5 a reinitialization of the Analysis Server was needed). Also, indices for dimensions which are assigned to a limited set of process types consume less RAM. Changes to core configurations (such as keyindicator or processtree) make it necessary to run a (potentially empty) ARIS PPM import to make indices usable again.
Function right <b>Conformance configuration</b> is renamed into <b>ARIS data transfer</b> and extended.	To import models into ARIS, the user needs the function right <b>ARIS data transfer</b> . This function right was previously named <b>Conformance configuration</b> and also enables users to configure reference models for the conformance check in ARIS PPM.

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## 8.10.6 Added, removed, deprecated, or changed Built-In Services

Changed Service	Description
ARIS PPM 10.5	The service was renamed from ARIS PPM/ MashZone Cloud Agent 10.4. New default port: 17013. The new name of Cloud Agent runnables is composed as in the following example: <b>20190928.091714_ppm-web-run-prod-10.5.0.0-runnable.zip</b>

## 8.10.7 Added, removed, deprecated, or changed parameters

In this version, no changes were made to parameters.

## 8.10.8 Added, removed, deprecated, or changed APIs

In this version, no changes were made to APIs.

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## 9 Support

Visit the [Knowledge Center](#) to learn about support policies and critical alerts, read technical articles and papers, download products and fixes, submit feature/enhancement requests, and more.

Visit the [ARIS community Web site](#) to access additional articles, demos, and tutorials, technical information, samples, useful resources, online discussion forums, and more.

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