

Software AG MashZone 9.10 Readme

April 2016

This file contains important information you must read before using Software AG MashZone 9.10. You can find user documentation on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find the suite-related information listed below.

Included in this file is 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.

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1.0 Critical Information

This section lists any critical issues for the current release that were known when this readme was published. For critical information found later, go to the Knowledge Center on the [Empower website](#).

2.0 Known Issues

This section lists any issues for the current release that were known when this readme was published. For known issues found later, go to the Knowledge Center on the [Empower website](#).

3.0 Usage Notes

This section provides any additional information you need to work with the current release of this product.

Update

- Before upgrading an existing MashZone installation, please read the concerning chapters of the MashZone 9.10 online help (Appendix/Migration from MashZone version 2.3 to version 9.10 and Appendix/Migration from MashZone version 9.x to version 9.10 respectively).
- Upgrading a previous version to MashZone 9.10 the passwords of the already existing MashZone 9.10 users especially user Administrator and user system will not be set to the values of the migrated system. Actually they will keep their MashZone 9.10 values.
- MashApp and data feed definitions from the previous versions MashZone 1.x, MashZone 2.x, MashZone 9.0, MashZone 9.5 up to version 9.9 can be used without restrictions in MashZone 9.10.
- Dashboard (MashApp) and data feed definitions created or edited with MashZone 9.10 cannot be imported into previous versions.
- The webMethods Event Bus connection of MashZone from version 9.5 and up supports only a single EDA connection. If you upgrade from a previous version with multiple EDA connections to version 9.10, you need to ensure that only a single EDA connection is defined.
- If you migrate MashZone 9.x to version 9.10, please keep in mind not to run both systems simultaneously. Stop the running system using the Start menu before starting the other one.

MashZone Server

- If you install MashZone on Windows operating systems, Software AG recommends that you install it into a directory other than the standard C:\Program Files, for example C:\SoftwareAG. You need administration privileges for setting up system services during the installation.
- When using WebLogic as a third-party JMS provider, errors can occur during server start in certain environments. They result in the server not being properly initialized. The errors occur if real-time buffers connected to WebLogic as a JMS provider are enabled automatically during server start. Therefore, Software AG recommends that you do not start real-time buffers connected to WebLogic during server start, but manually using MashZone Administration.

- When installing MashZone 9.10, note that MashZone Mobile Viewer 2.2 is compatible only with MashZone server version 2.2. MashZone Mobile Viewer 2.3 is compatible with MashZone server 2.2 and 2.3. MashZone Mobile Viewer 9.0 is compatible with MashZone server 2.2, 2.3, as well as with MashZone server 9.0, 9.6.0.4 (and later fixes), 9.7 - 9.10.
- If you use an Oracle database system instead of the standard PostgreSQL database as a persistence database, you must not install a separate Oracle JDBC driver for the JDBC operator. For further information, refer to chapter Appendix -> Database connection in the MashZone online help.
- Umlauts are removed from the archive file name when exporting dashboards and feed definitions.

MashZone GUI

- When starting the MashZone user interface, the FlashPlayer plug-in version is checked. If the existing FlashPlayer version is not suitable for operating MashZone, the system opens the installation page of the current FlashPlayer plug-in on the Internet. To run MashZone, you need Adobe FlashPlayer from version 10.2.0 for the Web browser used. Other FlashPlayer versions are not supported.
- If you operate the MashZone server behind a firewall, you may need to specify a proxy server in the Administration component.
- You can also publish dashboards and data feed shares via e-mail. The standard e-mail program of the client computer is used for this. Text transmissions by MashZone are UTF-8-encoded. If your e-mail program does not display special characters properly please check its UTF-8 support settings.

Multi-tab

- With MashZone 9.5 and higher, MashZone supports the multi-tab concept. This means that various MashZone content, such as the Home page, Administration, dashboard views, feed editing, and so on, can be displayed or edited in parallel in separate browser tabs. Please note the following:
 - Usability is best if you configure your browser to open new contents in a new tab.
 - The MashZone multi-tab concept supports a maximum of 18 tabs open at the same time.
 - If you open tabs a second time, for example the Home page, Administration, specific dashboards or data feeds, and so on, the program tries to display the relevant view. However, currently only Google Chrome supports switching to a tab that is already open.
 - Certain buttons are disabled in a tab that you open a second time if that tab is already open. For example, the Administration button is disabled if Administration is already open in another tab.
 - If you use the Save as button to create a copy of the existing dashboard or data feed you can still edit the original in the editor. To edit the copy, you must open it in the editor.
 - With MashZone 9.10, you can edit multiple dashboards and data feeds simultaneously. Save

your changes before closing a tab.

Feed-Editor

- If you generate URLs using the http protocol from other systems (for example, from PPM) to load data and the created URL is already UTF-8-encoded, enable the “Do not use UTF-8 to encode URL” option. If you encode an already encoded URL, errors may occur. This also applies to other URLs, such as the Image display component. When transferring (import or upgrade) dashboards and data feeds from version 1.x, certain URL-based data may no longer be determined. If this happens, check the option setting for “Do not use UTF-8 to encode URL”.
- When transferring data feeds with an XML operator based on the RSS 1.0 template, you may have to update the selected RSS 1.0 template by assigning it again because its default value has changed.
- The data type conversion of the JDBC operator has been changed in version 2.2.
- The JDBC operator returns database columns that are defined as alphanumeric in the database (for example CHAR, VARCHAR) as text even if they only have numeric content. If users prefer a numeric data type only based on the data contained (such as, a text column with purely numerical content), they need to force this data type by using the Change data type operator.
- The pool size of a database connection indicates how many database queries you can run simultaneously. The value must correspond to at least the maximum number of simultaneous database queries in a dashboard. For example, if you are using a table and two filter selection lists based on the same database connection in a dashboard, the pool size for this connection must be at least 3.

PPM connection

- Version 9.10 is required for both systems if you want to use SSO (single sign-on) between MashZone and PPM. To transfer existing PPM 5.1 SSO data feeds, both systems must be migrated to version 9.10.
- If you create a new PPM connection on a local system (MashZone 9.10 and PPM 9.10 are both installed on the same computer), https URLs of the shared PPM system are automatically changed to http in order to boost performance.
- If the query of the PPM display component or the PPM operator includes filters on dimensions that already have filters set for assigned favorites in the query, an empty result set may be generated. In this case, the system will display an error message (Error retrieving data).
- Under certain circumstances, the representation of PPM charts in MashZone may be cut off at the edges. In this case, you can adjust the position and size of the chart in the PPM analysis.

LDAP

- The LDAP connection of this MashZone version has been tested and approved only for the following LDAP systems:
 - MS Active Directory systems Windows 2008 Server and Windows 2012 Server
 - Net IQ eDirectory 8.8 SP8
 - Oracle Directory Server Enterprise Edition 11g
 - IBM Tivoli Directory Server 6.1

webMethods Event Bus

- The webMethods Event Bus connection of this MashZone version supports only a single EDA connection. A corresponding check is performed during an upgrade.

Universal Messaging

- The Universal Messaging connection to MashZone 9.10 requires a Universal Messaging server version 9.10. Previous Universal Messaging server versions are not supported.

Terracotta

- For the Terracotta connection, MashZone uses version 4.3.2 runtime libraries. These libraries require a matching server version, meaning that only version 4.3.2 Terracotta servers can be connected.
- If the Terracotta connection of the MashZone server is not licensed, the MashZone server stops when a Terracotta resource is accessed and needs to be restarted.
- After an update of the previous version to MashZone 9.10 you need to reimport the Terracotta license.
- If you combine multiple MashZone instances into an array, all MashZone servers must be licensed using the Terracotta license.
- If the Terracotta Server Array that is connected to MashZone is restarted, all MashZone instances must be restarted due to technical reasons, as well. Otherwise, the Terracotta connection will not return any data.

Linux

- Under Linux, you need to make sure that the host name of the Linux server used is resolvable using DNS in the network. If this is not the case, automatically generated URLs, such as jump targets from and to PPM or MashZone, may not be able to be addressed properly.
- When you migrate MashZone 2.3, see the specific instructions in the MashZone online help.

- Umlauts in the file names of dashboard and feed archive files are not supported.

4.0 Fixes Included in Each Release

This section lists the latest fix level that has been included in each release for each product component. A release is listed in this section only if changes occurred in that release. Go to the Knowledge Center on the [Empower website](#) for detailed information about fixes.

5.0 Other Resolved Issues

This section lists the issues that were resolved in each release but were not part of the fixes listed in the previous section. A release is listed in this section only if changes occurred in that release.

Release 9.9

- ACZ-2418
With the current fix, the Adobe icon will no longer be displayed if the browser requests the user to install the needed Flash plug-in. The security warning that the browser displays when using MashZone with https no longer appears.
- ACZ-2424
The behavior of the aggregate operator does change in a particular case. If there're no key-columns defined and the source contains no rows, numeric value 0 will be delivered for each aggregated keyindicator column with aggregationtype COUNT. For instance the Tacho-Chart will display a pointer to value 0 in that case.

Release 9.8

- ACZ-2253
Central user management doesn't show tool-tips when hovering over the icons like 'Licenses', 'Configurition' and 'User management'.
This issue has been resolved.
- ACZ-2225
In the Installer tree, PPM/Mashzone Infrastructure is still selected when both PPM and Mashzone are cleared.
This issue has been resolved.

Release 9.7

- ACZ-2180
Missing data column reloading mashup/feed definition

Changing the mapping of a data-feed, exporting the feed, deleting it and importing the previously exported feed shows the data mapping of the old feed.

This issue has been resolved.

- ACZ-2222

OpenSSL vulnerabilities

There are various vulnerabilities fixed in the new versions, applying to OpenSSL being used both as client and server and various types of attacks are prevented - ranging from denial of service to man-in-the-middle attacks.

This issue has been resolved.

- ACZ-2812

Unrestricted file upload vulnerability leading to DoS

It is possible to upload .exe, .cmd and other dangerous file formats in the User Management link in UMC Admin link in MWS. This is happening because MWS is not doing any content validation both at the client and server side.

This issue has been resolved.

Release 9.6

- Call ID 1074291

If the result of a JDBC operator was used as input for another JDBC operator the overall result could be wrong.

This issue has been resolved.

- Call ID 5127002

If the SAG Installer was run with option Create script the installation was not executed.

This issue has been resolved.

Release 9.5

- Call ID 5113761

Under certain circumstances, a chart used as filter input lost the filter settings during a tab change.

This error is resolved in the current version.

- Call ID 301327

If a search string with a space at the end was used in the User input/Text component the search froze. This error is resolved in the current version.

- Call ID 309225

For this version, the error message when calling the MashZone URL in ARIS Connect has been revised to be more comprehensible.

- Call ID 309274

Under certain circumstances the text and the symbol overlapped in the Traffic light component. This error is resolved in the current version.

- Call ID 309279
If the colors of the individual elements (e.g., lines, header, etc.) were set to white in the Table component to display the table contents with a white background, a gray line was still displayed at the table header. This error is resolved in the current version.
- Call ID 303088
In the Table component with only one column the default sorting was not applied. This error is resolved in the current version.
- Call ID 301508
In the Time filter component with dynamic defaults, the active filter was deleted if the option Clear selection was enabled. However, the selection of the time filter component was still displayed. This error is resolved in the current version.
- Call ID 299509
In pie charts, the selected area was not moved out if the associated style was missing. This error is resolved in the current version.
- Call ID 297447
When the Text component was used for displaying a numerical value with extension, such as 123 \$, the extension was no longer displayed when the definition was called again in data mode. This error is resolved in the current version.
- Call ID 297354
Under certain circumstances, incorrect results occurred when using the operator Arithmetic for multiplication with simple decimal powers (e.g., 100). This error is resolved in the current version.
- Call ID 297350
When importing an MS Excel table only the first column value was included for some columns that were calculated based on date functions. This error is resolved in the current version.
- Call ID 284287
In pie charts, the KPI values were not displayed if Within was selected for the value position and only one iteration step existed. This error is resolved in the current version.
- Call ID 284142
If more than 10,000 data rows were queried when using the Database operator, the expected warning was not displayed. This error is resolved in the current version.

6.0 Documentation Changes

This section describes significant changes to the documentation, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content. A release is listed in this section only if changes occurred in that release.

Release 9.9

- The MashZone server provides the online help by a local web service (<http://<host>:<port>/mashzone/help/<locale>/handling/index.htm>).

Release 9.8

- Documentation on how to switch to another persistence layer e.g. Oracle or SQL Server has been integrated into the MashZone help. The former separate document (folder <InstallDir>\ppmmashzone\server\support\umc) has been removed.

Release 9.7

- Documentation how to switch to another persistence layer, for example Oracle or SQL Server, has been added in a separate document (folder <InstallDir>\ppmmashzone\server\support\umc).

Release 9.6

- Documentation of the new GeoMap component which replaces the deprecated Google Maps component has been added.

Release 9.5

- The formerly used ARIS Release Notes for MashZone were renamed to MashZone Readme.
- The formerly used ARIS Platform Matrix is replaced by the Requirements Matrix.

7.0 Terminology Changes

A release is listed in this section only if changes occurred in that release.

Release 9.6

Old Term	New Term
wM Business Events	wM Events

Release 9.5

Old Term	New Term
ARIS Cloud Agent	PPM MashZone Cloud Agent
ARIS Process Performance Manager	webMethods Process Performance Manager
ARIS MashZone	webMethods MashZone

8.0 Added, Removed, Deprecated, or Changed Items

This section lists functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed. A release is listed in this section only if changes occurred in that release.

Release 9.9

Changed Item	Description
ARIS infrastructure	MashZone got a new ARIS infrastructure. The layout of the UMC configuration UI changed.

Release 9.8

Changed Item	Description
ARIS infrastructure	MashZone got a new ARIS infrastructure. The layout of the UMC configuration UI changed.

Release 9.7

Added Item	Description
Persistence database	MashZone now supports Oracle 12 and MS SQL Server 2012 as database backend.
SSO plugin capability	In some corporate environments, standardized single-sign-on (SSO) approaches like Kerberos, SAML or OAuth are not sufficient to realize a SSO solution that fits the customers' needs. This is mainly the case in environments where the customer is bound to a self-made or old-fashioned identity provider system. In order to enable these customers to gain the benefits of SSO, MashZone now provides interfaces and a plug-in registry that allow the implementation of custom SSO solutions.

Deprecated Item

Maps Component

Replacement, if any

The Google Maps component will not work from September 2014 (Google Maps API is deprecated form date). MashZone now supports the Maps provider Bing and MapQuest.

Release 9.6**Added Item**

MashZone locale

Description

MashZone supports Portuguese locale now.

Maps Component

MashZone now supports the Maps provider Bing and MapQuest.

Deprecated Item

Maps Component

Replacement, if any

The Google Maps component will not work from September 2014 (Google Maps API is deprecated form date). MashZone now supports the Maps provider Bing and MapQuest.

Release 9.5**Added Item**

MashZone Server multi instances

Description

From this version, several MashZone servers can be combined into an array. Please refer to the online help for a detailed description of the procedure.

Added Item	Description
Memory configuration	<p>From this version, the runtime memory parameters are refined.</p> <ul style="list-style-type: none"> • Memory model S Memory model S is intended to be used with small demo systems and 32-bit systems. The recommended system hardware for this memory model is 2 CPUs / 4GB RAM. • Memory model M Memory model S is intended to be used with 64-bit server systems. The recommended system hardware for this memory model is 4 CPUs / 16GB RAM. <p>Memory model L Memory model L is intended to be used with productive server systems (64-bit only). The recommended system hardware for this memory model is 8 CPUs / 64GB RAM.</p>

9.0 Added, Removed, Deprecated, or Changed Built-In Services

A release is listed in this section only if changes occurred in that release.

Release 9.10

Changed Service	Description
Software AG PPM/MashZone 9.9	The service was renamed from Software AG PPM/MashZone 9.9 to Software AG PPM/MashZone 9.10. The service listens on port 17006 by default.

Release 9.9

Changed Service	Description
Software AG PPM/MashZone 9.8	The service was renamed from Software AG PPM/MashZone 9.8 to Software AG PPM/MashZone 9.9. The service listens on port 17005 by default.

Release 9.8

Changed Service

Software AG PPM/MashZone 9.7

Description

The service was renamed from Software AG PPM/MashZone 9.7 to Software AG PPM/MashZone 9.8. The service listens on port 17004 by default.

Release 9.7

Changed Service

Software AG PPM/MashZone 9.6

Description

The service was renamed from Software AG PPM/MashZone 9.6 to Software AG PPM/MashZone 9.7. The service listens on port 17003 by default.

Release 9.6

Changed Service

Software AG PPM and MashZone 9.5

Description

The service was renamed from Software AG PPM and MashZone 9.5 to Software AG PPM/MashZone 9.6. The service listens on port 17002 by default.

Default application port http / https

Default ports changed to 4080 (http) and 4443 (https).

Release 9.5

Changed Service

PPM MashZone Cloud Agent

Description

The service was renamed from ARIS Cloud Agent to PPM MashZone Cloud Agent. The service listens on port 17001 by default.

ZooKeeper

ZooKeeper listens on port 17050 by default.

Elastic Search

The elastic search service listens on port 17047 by default.

Cloud Search

The cloud search service listens on port 17048 by default.

PostgreSQL DB

The PostgreSQL DB service listens on port 17049 by default.

MashZone

The Mashzone server listens on port 17050 by default.

10.0 Copyright Information

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11.0 Support

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

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