

atvise[®] 3.5.2 Release Notes

Main features

Separation of graphics and logic

- Modular logic units for dynamics and script code within graphical objects
- Management and engineering of local and linked logic within the Display Editor
- Separated the logic from the graphics within all atvise objects and extended the interface of the scripts for easier use in your own objects

Dynamic archive management

- Management interface for historical archives embedded in the atvise[®] Visualization
- Swapin/Swapout historical archives via mouse click
- Periodical swapin/swapout of historical archives
- Backup and restore for better IT integration

Import/export interface for version control tools

- Text-based export of all atvise[®] project contents to the file system via the atvise[®] builder
- Update of atvise[®] projects via import from the file system into the atvise[®] project database
- Seamless integration of atvise[®] projects into GIT or SVN repositories

Improvements atvise[®] 3.5.0

Graphical objects and clientside scripting

- Introduced Logger component for the dynamic exchange of log messages
- Introduced translation of texts within QuickDynamics
- Added default values for min and max parameters of "gauge_tile" and "bar_tile" displays
- Added dynamic adjustment of column sizes for the legend of the trend module
- Added parameter for the start address of the node selector within the trend configuration display
- Added functionality in the table component to get row number for a specific cell
- Added update of marker values when historical data is updated within the trend view
- Changed trigger type of radio button display from global to display
- Added default parameter for y-axis in "line_tile" display
- Improved touch usability of all keyboard dialogs
- Added option to save the last position and size of popups
- Introduced option to transfer binary data with the `webMI.data.customrequest()` function
- Introduced Disk Space Monitoring component to check thresholds of the history, swapin, backup and restore directories.

Engineering

- Improved performance of syntax highlighting within the display editor
- Introduced help view in the atvise[®] builder
- Integrated the help contents of the atvise[®] maintenance tool into the standard atvise[®] help
- Added context menu option to create userdefined unauthorized response scripts

Serverside scripting

- Extended File System API with the capability to read creation and modification dates of files
- Extended File System API with functionality to list the root directories of the runtime system
- Introduced `lock()` function to manage execution of serverscripts running in parallel
- Added check for correct data types when `history.write()` function is used in serverside scripting

Communication

- Added connection mode for atvise[®] connect servers licensed via a license file

Historization

- Added synchronization of swapin archives for redundant atvise[®] architectures

Bugfixes atvise® 3.5.0

Graphical objects and clientside scripting

- Fixed wrongly highlighted alarm states when alarmlist and alarmlog are opened simultaneously
- Fixed wrongly displayed alarmlist dialogs
- Fixed several bugs within the trend component
- Fixed scaling of popups that are placed in the top-left corner of the display
- Fixed handling of displays that contain a space in their name within the favorites selection display

Serverside scripting

- Fixed `browsenamens` parameter in `UaNode.create()` function
- Fixed wrong content handling of serverside scripts that use the `filecontent` parameter

Client connections

- Fixed issue when multiple web clients are requesting data via the `webMI.data.subscribeFilter()` or `webMI.data.queryFilter()` methods and one of the related user sessions disconnects simultaneously
- Fixed issue when multiple web clients are requesting data via `webMI.data.subscribeFilter()` and one of the related web sessions is closed after a short time
- Fixed memory leak caused by reconnecting web clients

Communication

- Fixed retriggering of relative mirroring when mirror base is changed
- Fixed handling of alarm timestamps when distributed to other systems

Historization

- Fixed issue when nested aggregate functions are deleted

Bugfixes & Improvements atvise® 3.5.1

- Removed check for status code `Good` in all `UaNode` functions of the serverside scripting API
- Fixed sort order for Views when exported via the XML export function of the atvise® builder
- Fixed wrong OPC UA ValueRank for configuration nodes of alarm datasources
- Fixed wrongly saved displays when special characters occur in the display code

Bugfixes & Improvements atvise[®] 3.5.2

- Fixed missing header information in `HTTPClient.get()` requests
- Fixed wrong parsing of Simple Dynamic action lists within the Code Editor
- Fixed missing code parts for Simple and Quick Dynamics when the copy & paste functionality is used within the Display Editor
- Fixed functionality of y-axis parameter `minimum` for all trend ObjectDisplays, when the value is set to 0

System requirements

Operating systems

atvise[®] 3.5 supports following operating systems:

- Windows 10 Pro, Enterprise, IoT Enterprise
- Windows Server 2012 R2, 2016, 2019
- Ubuntu 16.04 LTS, 18.04 LTS
- Debian 9.5, 10 for ARMv7 platform

Web browsers

atvise[®] 3.5 is tested on following web browsers:

- Google Chrome 86.x
- Chromium 86.x
- Microsoft Edge 86.x
- Firefox ESR 78.x
- Firefox 82.x
- Safari iOS 14
- Bachmann Industrial Browser 1.5

Known Issues

General

- Before installing a new atvise® version please uninstall any previously installed atvise® version (atvise® server, atvise® monitor and any running DEMO webserver have to be stopped before).
- Please do not set a tooltip text on Object Displays that contain a context menu because the tooltip text and the context menu work against each other.
- The calendar (Timer Scheduler) of the object display "Timer" does not support the Backspace key.
- iPad/iPhone (Safari) have difficulties with displaying foreign objects (e.g. HTML elements) in popups.
- iPad/iPhone (Safari) have difficulties playing WAV files. Acquire data points from a webML server does not work if you use digest authentication.
- When using a virus scanner, exclude the atvise® process, the installation directory and the project directory from scanning.
- When activating downsampling in the online dialog, the chart must be reloaded so that the historical values are displayed again.
- Please also read the chapter of known issues in the atvise® documentation.

atvise® server

- Do not use mirror inputs on nodes in the SYSTEM.INFORMATION.GENERAL folder.
- Do not use the MirrorOnDemand feature in redundant atvise® projects.
- Please pay attention regarding your port configuration. If you connect to e.g. the sync port in redundancy mode with an OPC UA client, the server may crash.
- When an atvise® node (e.g. Alarm configuration, Script) is added underneath the standard variable and this variable is then mirrored in a cascaded atvise instance, the child nodes may be imported too, depending on the used import type for mirroring nodes.

Alarming

- With the release of atvise[®] 3.5, the duplicated alarm categories within object type definitions are prevented to avoid wrong configurations. This issue only applies to projects where the modelling rule of an alarm configuration has been changed multiple times within the object type definition. Before updating to atvise[®] 3.5, please make sure that this is not the case in your project. For further information please contact the atvise[®] support team.

Standard objects

- Since atvise[®] 3.3.1, displays do not scale correctly in scale type "native". The default scale types "zoom" and "transform" work correctly.
- When you are upgrading from atvise[®] 3.4.0 to the current version of atvise[®], please consider updating the Default display in case you are using it in your project. Since atvise[®] 3.4.1, we have introduced additional global parameters for the theming of graphical objects and default displays. Those additional parameters are not handled properly by the default display of atvise[®].

Trending

- By default, atvise[®] uses the offline exporting mechanism of the Highcharts library to export chart data in different formats like CSV or JPG. The Highcharts offline exporting has an issue with Internet Explorer 11, which has the effect that charts cannot be exported as JPG or PNG in this browser. As an alternative the online exporting option can be used to have those exports options available in Internet Explorer as well, but please note that this option requires an active internet connection. In addition, because of missing ES6 support, Internet Explorer 11 doesn't support exporting chart data in the XLSX format.

Operating systems

- Due to problems with name resolution and IPv6 in Windows 7, use <http://127.0.0.1> instead of <http://localhost> in your browser. Alternatively set name resolution for localhost to 127.0.0.1 in the windows hosts file (%WINDIR%\system32\drivers\etc\hosts). For instance, page loading will be very slow and alarm log might be empty in most browsers if you use localhost with IPv6 name resolution.
- If you are using Firefox and you have problems with the name resolution when entering an URL with a FQDN (display loading takes a lot of time), please disable the IPv6 support of your web browser.

Serverside scripting

- The `history.write()` function will ignore entries with a source time \leq "1980-01-01T00:00:00Z". This applies to historized raw values and aggregates.

Clientside scripting

- Quick Dynamics and Simple Dynamics cannot be edited via a wizard within the Display Script Editor or the Script view within the Code Editor for Displays. To edit a Quick or Simple Dynamic via the provided wizards, it needs to be opened via the dynamics section of the Display Editor. Editing the script code of a dynamic directly in the source code works in all clientside scripting editors.

Announcements



Discontinuation

With atvise[®] 3.5 the following components are discontinued:

- Chrome Style for atvise[®] object library

Product lifecycle

- atvise[®] 2.5 has reached the "End of Maintenance" (EOM) at the 31st of December 2020. The "End of Support" (EOS) will be reached at the 30th of June 2021.
- atvise[®] 3.0 has reached the "End of Maintenance" (EOM) at the 31st of December 2020. The "End of Support" (EOS) will be reached at the 30th of June 2021.
- atvise[®] 3.1 will reach the "End of Maintenance" (EOM) at the 31st of March 2021. The "End of Support" (EOS) will be reached at the 31st of March 2022.
- atvise[®] 3.2 will reach the "End of Maintenance" (EOM) at the 11th of December 2021. The "End of Support" (EOS) will be reached at the 11th of December 2022.
- atvise[®] 3.3 will reach the "End of Maintenance" (EOM) at the 14th of March 2023. The "End of Support" (EOS) will be reached at the 14th of March 2024.
- atvise[®] 3.4 will reach the "End of Maintenance" (EOM) at the 20th of December 2023. The "End of Support" (EOS) will be reached at the 20th of December 2024.
- atvise[®] 3.5 will reach the "End of Maintenance" (EOM) at the 22nd of January 2025. The "End of Support" (EOS) will be reached at the 22nd of January 2026.

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