Aspect v3.01

Issue Date: July 11th, 2017
Product: Aspect
Product Version: 3.01

Summary

Aspect® version 3.01 introduces distributed functionality, security enhancements and improved integration with **Unitron** and Modbus.

Background

Building upon the features and enhancements of Aspect 3.0, American Auto-Matrix has listened to and taken feedback from you to deliver an updated version of our award-winning building automation front end solution.

With your feedback, version 3.01, was built upon the enhancements of Version 3.0.

Features and Installation

All files relevant to this release can be found on the [Dealer Toolbox](#) by visiting Product Support > Firmware Updates and Product Support > Software Updates .

Installation

In order to take advantage of product enhancements and resolutions within **Aspect** v3.01, you must upgrade the firmware of your existing **Aspect**® target (**Aspect-Matrix MAX™**, **Aspect-Nexus™**, **Aspect-Facility™**, **Aspect-Enterprise™**) using the System Update feature within the WebUI of the target.

Instructions on this process can be found in the **Aspect-Studio™** Online Help at any time. As this is an upgrade, there are a few steps to follow to ensure a seamless upgrade from **Aspect**® 3.0 to 3.01:

- Before restarting, identify the project(s) that will be upgraded to **Aspect**® 3.01
- Download the project sources for the projects if necessary
- Remove the projects that will be upgraded
- Restart the **Aspect**® server
- When the server is restarted, use the System Status screen to verify that the Aspect Runtime Version shows 3.01 in the instance to which the project will be deployed

Once your target's firmware has been updated, you must then open your existing project using **Aspect-Studio™** v3.01. Perform a Clean and then deploy your project to the target. This process **must** be done to ensure your project files receive all enhancements and updated drivers included as part of this maintenance release.

Features

Distributed/Supervisor Functionality

Trends in **Aspect**® Satellites and CB controllers can now be embedded in the **Aspect**® Supervisor's map and accessed in the same way as local Trends within the **Aspect**® Supervisor.

Remote Schedules in **Aspect**® Satellites and BACnet CB devices can now be accessed in the same way as local Schedules within the **Aspect**® Supervisor. Settings from a master Schedule can be copied to many remote Schedules in a single Bulk Change action.

Security Enhancements

The **Aspect**® HTML5 UI can now be configured to use SSL encryption, giving a secure HTTPS browser connection, and avoiding the security warning messages that are now common in major browsers.

Aspect® can now authenticate users with **Microsoft** Active Directory or LDAP.

Improved traceability tools

The **Aspect**® Audit trail now has a "disposition" property associated with every event, so that a user-generated log message can be stored to explain why an event occurred.

Newly-added Change of Value (CoV) custom trending allows points to be logged more frequently when required, and to record alarm occurrences.

Both of these enhancements can assist clients in building a system that complies with FDA 21 CFR Part 11.

Engineering Center integration

An engineered **BACnet** Site can be exported from **Engineering Center** in a single operation, and imported into **Aspect**®, requiring minimal configuration.

Bulk setpoint and schedule change

Setpoints and Schedules can be copied from an **Aspect**® Supevisor to many Setpoints and Schedules throughout one or more Sites at once.

Modbus in the Map

Modbus devices can now be configured from inside the **Aspect**® Map for simpler configuration and better integration with the BEMS.

Graphics enhancements (field alignment)

Items in an **Aspect**® graphic can now be aligned automatically to simplify layout.

Enhancements

ASP-3146   The Alarm Description field in Map points will now accept Tokens and Map References

ASP-3476   A Map device going offline can now generate an alarm using the " Offline: Alarm " properties in the Device

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ASP-3490 A 10 minute Trend Interval option is now available in Map devices

ASP-3551 The option to copy Reference Paths and IDs has been added to the right-click menu on Map nodes

ASP-3587 Vertical and horizontal guidelines have been added to the Graphics editor in **Aspect-Studio**™ to aid in aligning elements

ASP-3622 The GEImage element has been enhanced to add the ability to easily add multiple entries to the multi-image table.

ASP-3633 The linked Schedule enumeration now displays properly in Notifiers

ASP-3680 In the HTML5 dashboard interface, sub folders have been added to the Graphics entry that mirrors the Graphics node in the Project Map

ASP-3744 Schedules are not limited to 15 entries for weekly and alternate schedules. Calendars are limited to 25 entries.

ASP-3786 A Ghost Point option has been created to indicate the number of alarms in a given Point Container.

ASP-3787 The ability to descend multiple levels in relative Map References has been added.

ASP-3789 The option for a Grandparent's name has been added to Annunciator labels.

ASP-3797 The option to select a default click action for Annunciators has been added as an alternative tp the standard click menu.

ASP-3800 The option for a Grandparent - Self name has been added to Annunciator labels.

ASP-3831 The Network Status page now auto-refreshes.

ASP-3878 In **Aspect-Studio**™, the option to add a new **Aspect-Matrix MAX**™ project has been added.

ASP-3888 Network points will be updated immediately after an override or write operation.

ASP-3891 The Alarm Manager now defaults to `2500` max rows.

ASP-3959 An option has been added to Points alarming to generate alarms only on good quality. This prevents alarm notifications from occurring on project restarts for points that are not in alarm.

ASP-3960 An option has been added to Styles for the border on Annunciators when they have good quality.

ASP-3965 The following resolutions have been added for Map Graphics:
`2560x1440` = 2560 x 1440 (wide really large)
`3840x2160` = 3840 x 2160 (4K native)

ASP-3966 The " Show Trend/Alarm/Distribute " status is now presented in the sidebar of the HTML5 sidebar

ASP-3982 New tokens have been created to reference the SiteID (`%SIDEID%`) and Site Friendly Name (`%SITE`)

ASP-3984 The ID and Refpath columns are now hidden by default in the Ad-Hoc trend screen.

ASP-3992 An icon has been added next to active alarms to navigate directly to the relevant Home Graphic.

ASP-4000 A new Map Status page has been added in the HTML5 dashboard under Utilities > System Information > Map Status

ASP-4003 A new Port Pool Status page has been added in the HTML5 dashboard under Utilities > System Information > Port Pool Status

ASP-4050   Aspect schedules will now default to a 15 second update time.

ASP-4070   Error logging in Throttled Logs has been improved.

ASP-4096   Property grabbers can now be used in Map References.

ASP-4159   The `summary trend` icon is now displayed in HTML5 graphics that support it.

ASP-4167   Integer values with very large values (i.e. long integers) can now be trended.

ASP-4169   The option for a `Grandparent+Parent's name` and `Freindliest Name` have been added to Annunciator labels.

ASP-4177   **Aspect**® can now display PUP hex datatypes as Integers.

ASP-4181   The `MaxRPM` can now be set to a maximum of `50`.

ASP-4218   The `Alternate Schedule` tab is now hidden in schedules when it is not configured.

ASP-4222   The `Description` field is not overridden in a device when applying a template.

ASP-4233   Addition tokens have been added for the following items:
`%SELF%`, `%SELFREF%`, `%PARENT%`, `%PARENTREF%`, `%GPARENT%`, `%GPARENTREF%`, `%GGPARENT%`, `%GGPARENTREF%`

ASP-4234   The delimiter can now be customized from the standard "`-`" for Friendly names in the `Config Subsystem` node.

ASP-4267   The option now exists in **Aspect-Studio**™ to create a project for **Aspect-Matrix MAX**™, **Aspect-Nexus**™, or **Aspect-Enterprise**™ targets.

ASP-4279   Errors with licenses will now appear on the Throttled Logs.

Resolved Issues

ASP-3442   Scroll bars now consistently appear in **Aspect-Studio**™ property windows.

ASP-3509   When making a change in the `Map tree`, the selected position in the tree will be maintained.

ASP-3549   The CPU load in **Aspect-Matrix MAX**™ no longer spikes when viewing the `Project Performance`

ASP-3581   Styles now properly render properly in Graphics when viewed in **Aspect-Studio**™.

ASP-3630   The `%CUSTOMDATE%` token was added to tooltips.

ASP-3686   A misconfigured **MySQL** database connection manager no longer causes long project startup times.

ASP-3703   The dialog presented when deleting objects in **Aspect-Studio**™ has been updated to add clarity.

ASP-3758   BACnet point discovery in **Aspect-Studio**™ now operates properly after an idle period.

ASP-3796   Object discover on devices with greater 120 BACnet objects will now discover properly in **Aspect-Studio**™.

ASP-3810   Annunciators with references that cannot be resolved are now hidden in the graphics properly.

ASP-3882   BACnet time datatypes can now be edited in HTML5 graphics.

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ASP-3892   PUP time datatypes can now be edited in HTML5 graphics.

ASP-3893   The " wide large+ " graphics resolutions now display properly in browsers.

ASP-3977   Ghost Points bound to BACnet points can now use the BACnet Override type.

ASP-4005   Graphic background no longer shift when deployed.

ASP-4019   BACnet discovery can now be restarted if the discovery dialog is cancelled.

ASP-4034   Graphics that are zoomed when saved in **Aspect-Studio**™ will now maintain the proper position when the project is reopened.

ASP-4057   Error messages will now appear on top of the splash screen when **Aspect-Studio**™ starts.

ASP-4061   Projects with Map Graphics that have large numbers of GE Elements load properly.

ASP-4072   TSC point in override status now indicate as Overridden in the HTML5 graphics.

ASP-4113   The x-axis labels in trends now display properly.

ASP-4124   BACnet exception schedules are now distributed with priority level 8

ASP-4184   The Map Search dialog now stops when the Cancel button is clicked.

ASP-4245   The Duplicate option has been removed from Graphics. The recommend option is to Import from an External Map.

ASP-4246   Importing a Map from an **Excel** file now operates properly.

ASP-4249   Holding the Alt key when dragging Points to Graphics elements will now map the Reference Path.

ASP-4250   The binding will now be maintained when copying/pasting an Annunciator.

Customer Impact

All **Aspect**® users are encouraged to update to v3.01 as soon as is practical.

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