



ICONICS V10.85 Resolved Issues

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Platform Services

BACnet

24893	An update to the BACnet Runtime now respects the time settings from the AlarmWorX64 Viewer in regards to the Event Log Subscriptions. The start time works only when the "Read Range Type" is set to "Time, Sequence Number" or "Time." It will not function for the "Buffer Position, Time" option.
27424	An issue with the use of BACnet points in GraphWorX64 regarding the use of the "Show ID" option has been resolved. Previously configuring BACnet points in GraphWorX64 before enabling the option would create tag names akin to "bacnet:<name>\Object A\Property B." After enabling the "Show ID" option an ID would be appended to the <name> causing tags to become invalidated. This no longer occurs.
29019	BACnet Alarming now uses persistent subscriptions which allow users to subscribe to notifications classes even when no client is connected. This allows users to the display current state of alarms with all information necessary when the client connects.
29020	Auto-discovery of BACnet Device Notification Classes (used in the BACnet Alarm Cache) has been implemented to allow the system to find all notification classes in the BACnet Address Space.
29022	The BACnet Alarm Cache Client Configuration now consists of the user subscribing to either the BACnet root, device or to a specific notification class. The BACnet Alarm Cache Runtime will subscribe to all notification classes in devices added to the cache and unsubscribed when devices are removed.
30848	When users update BACnet Object Instance Properties the packet that is sent only contains the properties changed by the user instead of the entire property list.
32001	BACnet Trends and history events are now read using asynchronous communication to avoid issues when BACnet devices are offline or inaccessible due to a timeout error.
32938	The default value for the re-subscription period of Change of Value (COV) reporting in BACnet can now be set globally for all devices or per-device by using an override option.
32942	Difficulty selecting units in the BACnet Configuration forms has led to a new pop-up created to allow easier selection of the desired units. Units are now shown in a tree view, grouped by type. There is a search field that will allow users to filter the list as well.
32994	Conflicts in data configuration are now recognized and the user is prompted for interaction in the BACnet Configuration. The user hitting "Apply" can choose to overwrite or throw out changes made previously (this case is for users who are concurrently editing and one has already applied changes).

33006	A Device Summary view has been added to the BACnet Configurator in Workbench-SL. Users can right-click on devices or a network and click "View Property Sheet" to see a summary view devices or all devices on a network. Right-clicking on a specific device or object type folder and clicking "View Property Sheet" will display a summary view will all of the objects on the selected device or all objects of the selected object type.
33336	The BACnet Discovery Time now uses the APDU Timeout instead of the Timeout Field in the BACnet Discovery form (the field has been removed). The APDU Timeout is the timeout between each BACnet I-AM. Whenever a new I-AM is received, the timeout will be reset.
33457	Changes have been made to the BACnet Configuration within Workbench-SL for Priority changes. Now in the property grid it's possible to open a dialog where the user can set the present value for a specific priority, clear the present value for a specific priority or clear the present value for all priorities.
34110	Support has been added for users to add multiple foreign devices with the same network adapter or port. Foreign devices such as BACnet Broadcast Management Devices (BBMDs) can be added into the BACnet Configuration using the same NIC.
34219	The BACnet API has been upgraded to version 4.0.1.2610. It contains fixes for the APDU Timeout and Status Flags. The APDU Timeout can be now set to 300000ms as a maximum.
34223	Automatic Time Synchronization has been completed for the BACnet Configurator in Workbench-SL.
34225	A method for BACnet device re-discovery has been added on the client and server side to prevent a previous requirement to manually remove and add a device to the BACnet Alarm Cache.
34310	Adding multiple devices to the BACnet device list is now easier with the addition of new options in the configuration forms. Users can add or remove selected devices to the cache, select or unselect all and invert the selection of devices. Checkboxes have also been included in every row to allow users to quickly select devices.
34387	Support for Foreign Devices has been added to the BACnet Discovery Tool in Workbench-SL. A new table, BAC_ForeignDevices, has been added to handle these devices. Users will need to fill in the ID, IP Address and Port.
34682	While importing EDE files to the BACnet Configurations users now have the option to specify a Network Number where previously the number was defaulted to 1.
34712	An error message that would appear when users are required to add BACnet devices to the BACnet Cache would previously remain indefinitely, but will now be removed once devices have been added.

34944	During startup of the BACnet Runtime, the service loads all devices from the cache and for each device, sends out an unconfirmed Who-Is request to get the initial I-Am response with IP information of the device. If the device doesn't respond, the runtime retries. This retry is now configurable.
35184	There is now an option in the BACnet Configuration in Workbench-SL to enable or disable remote BBMD management. For compatibility it is enabled by default, but can be disabled from the General Tab of the Runtime Settings.
35412	An issue that caused BACnet to continue pinging devices even after they have been removed from the BACnet Cache has been resolved. Previously the ping would continue until the BACnet Runtime was restarted or the requesting tag was removed (GraphWorX64 or Unified Data Manager).

Cloud Connector for Windows Azure

34427	When combining GENESIS64 with the Cloud Connector for Windows Azure the system has been updated to respect Proxy settings for users requiring the use of a network Proxy to access the Cloud Connector.
34920	Support has been added in the Platform Services for HTTPS connections to the Cloud Connector for Windows Azure.

Expressions

16537	An issue with the Tooltips in the Expression Editor has been fixed related to a flickering some users saw when attempting to find out more info for functions.
27551	Two new functions have been added to the Expression Engine that deal with a-typical values. "Is Not A Number" or isnan(float) and "Is Infinity" or isinfinity(float) have been added. isnan(float) returns TRUE if the specified value is the floating point representation of not-a-number (the result of operations like zero divided by zero). Otherwise isnan(float) will return FALSE. isinfinity(float) will return TRUE if the specific value is the floating point representation of infinity (the result of dividing a non-zero number by zero). Otherwise isinfinity(float) will return FALSE.
28172	New array support has been added to the Expression Engine. Some of the functions include creation of an array (ARRAY, TYPEDARRAY), getting elements of an array (GETAT, LEN, INDEXOF, MAX, MIN), and calculations (SUM, AVG). While some of these existed previously they have been expanded to accept array data types.
29676	The Min() and Max() functions in the Expression Engine (part of the Unified Data Manager, but used throughout the products) can now handle a variable number of parameters.
34220	"ToUtcTime" and "ToLocalTime" functions have been added to the "Date Time Functions" group within the Expression Editor. toutc(dateTime) gets the UTC time for the given local time. If the given time is already UTC, this function does nothing. It requires one parameter - a DateTime in local time and returns it in UTC time. tolocal(dateTime) gets the local time for the given UTC time. If the given time is

	already local, this function does nothing. It requires one parameter - a DateTime in UTC time and returns it in local time.
34264	A number of new Expression Functions have been added to allow users to have finer control over DateTime data. It is now possible to get the current day of week, month and year. It is also possible to get the timespan of a DateTime (e.g., day, month, year, hour, minute and seconds).
34266	A number of new Expression Functions have been added to allow users to have finer control over DateTime data. It is now possible to get the first and last day of week, month and year.
34674	When using the Expression Editor in GraphWorX64 and failing to complete an IF THEN (ELSE) statement the error message previously thrown was not descriptive and needed to be replaced. It will now indicate the proper error.

FrameWorX

16134	An option to use a File Link for the Default Value field of the Global Aliasing section of ConverterWorX has been implemented.
25411	An issue has been resolved that was caused by user latency could cause the FrameWorX Server to timeout when trying to read the Language Aliasing Server.
26880	An issue with the FrameWorX OPC UA Client not updating some tags when the Deadband Attribute was in use has been resolved.
30277	Within the Data Browser under "Control and Diagnostics" product information exposed as "Installed Products" is now available. Install date, product name and version can be found for each installed product.
32619	An ability to subscribe to FrameWorX Alarms from AlarmWorX64 is now available. This functionality is based in a variety of new methods available to Point Managers within the ICONICS Platform Services.
32620	The root item of the OPC UA Point Manager can now accept subscriptions. Subscribing to this point ("ua:") will allow users to receive Event Notifications when an OPC UA certificate is validated (accepted or rejected). Events will only be sent for unknown (not in the trust list) certificates.
33449	An issue that arose in the Cloud Connector for Windows Azure has been fixed in the FrameWorX Server that previously caused an interrupt that closed connection to the cloud service after 12 hours, but this has been resolved.
34364	OPC Compliance Trace Messages in the FrameWorX Server are now off by default and optional.

Global Aliasing

26615	In Workbench-SL it is now possible to use the delete key to delete single or multiple items when working within the Global Aliasing configuration screens.
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37496	An option to use a File Link for the Default Value field of the Global Aliasing section of ConverterWorX has been implemented.
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Installation

12211	All data entry dialog boxes for the GENESIS64 Installation have been moved to the beginning so that the installation can continue silently after initial configuration. On the Select SQL Login dialog there is now a checkbox to "Configure Silently."
15877	Localization for a Spanish Language version of GENESIS64 is complete.
16694	Internet Information Services (IIS) is now automatically configured within the prerequisite stage of the GENESIS64 Installation alleviating the previous requirement for users to do this manually.
25697	When installing GENESIS64 and using a remote SQL Server for the configuration databases the Default instance will now be updated for future use within the product. Previously if using a remote SQL Server the default was never updated leaving the default option as (local).
27415	All major product installations now support a Silent Mode which will allow users to input data into an .INI file (specifically CustomSetup.ini) to allow the system to fully install and configure without input after the initial file. More details can be found in the What's New Document.
29302	Further automation to the ICONICS installation has been implemented for users. An answer file called the CustomSetup.ini will allow the installation to complete using default dialog entries from the file. The User will still be required to enter passwords (for Windows and SQL Server if necessary).
30123	The Microsoft SQL Installation that is optionally run at the beginning of ICONICS Installations can now be configured silently by using the checkbox at the beginning of the process. This will call the Database SQL Wizard in silent mode and configure in the background without appearing.
31399	An issue that could take a long time to populate the User Setup Dialog in the GENESIS64 Installation has been fixed related to out-of-domain installations.
32107	An issue in the Installation could previously cause a reboot without the user explicitly selecting "Reboot Now" potentially causing lost information in other software. The dialog is now set to wait indefinitely for user response.
32981	Internet Information Services (IIS) is now installed as part of the pre-requisites of the GENESIS64 Installation.
32986	Internet Information Services (IIS) is now installed as part of the pre-requisites of the MobileHMI Installation.

33036	An issue that caused an error message in the installation to appear behind other windows has been removed. The failure was previously related to the "SetPasswordDoesNotExpire" message box.
33138	For users installing from a download, each installation folder is now self-sufficient meaning that if users need just that installation, users can copy just that folder.
33281	An issue that arose when GENESIS32 was installed on top of GENESIS64 related to a duplicated GenBroker Service, but now the GenBroker64 will be disabled when GenBroker (32-bit) is installed.

Language Aliasing

26855	Language Aliasing now uses asynchronous reads to allow for Range conversion when using aliasing. For example, if a source signal gives a speed in km/h, with a range of 0 to 160, when this speed is represented in mph (by switching language conversion), it will range between 0 and 100 mph when trended, not between 0 to 160.
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Licensing

28305	License Status is now exposed as variables from the License Information Folder of the Data Browser. These tags show up as OPC tags within GraphWorX64 for client use.
32137	A re-implementation of Language Aliasing will alleviate an issue seen previously with upgrades from older versions of the Platform Services.

PortalWorX-SL

35306	There was an issue fixed in the duplication of layouts in PortalWorX-SL. Previously this caused duplication to occur before a save was preformed (causing an older copy to be duplicated instead).
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Security

24293	Due to the security requirements of some organizations ICONCIS now supports LDAPS (LDAP with SSL Certificates) as a security protocol.
33357	An issue with the Password Complexity checks in Workbench in two places (when changing a password in Workbench and when creating a new user) has been fixed. Previously some complexity requirements were ignored relating to password length. This has been fixed.
33358	An issue with password persistence after change has been fixed. Previously when a password was changed at the Security Server but not at the Platform Services Configuration, the old password could remain valid indefinitely. Closing the only client would not invalidate it. It was only invalidated when FrameWorX was stopped and restarted.

34057	An issue that could previously prevent users from changing their Active Directory passwords from the Security Provider has been fixed and this is now allowed.
34059	In large domains it was proved that Security login was taking longer than expected (up to 30 seconds in some cases). This has been fixed so that login will happen much more quickly even for large security configurations (or Active Directory imports).
34104	An issue that could prevent editing of Security Groups in both Workbench Classic and Workbench-SL has been fixed in the underlying Security component.
34435	An issue was fixed within the Workbench-SL that could cause developers to be able to create new users with passwords that ignore the password complexity, but this has been fixed.
34532	An issue that prevented users from copying or pasting user rights from one user to another in the Workbench Classic Security Provider has been resolved.
35574	An option to remove the Change Password button from the Security Login Screen can now be found in the <code>ico.anyglass.parsing.config</code> as the configuration switch entitled: <code>SecurityIsChangePasswordAllowed</code> .

Workbench Classic

33796	An issue related to the Workbench Classic failing to connect to Secondary Node Databases for redundant scenarios has been fixed and should now work as expected.
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Workbench-SL

33188	An improved Search has been added to Workbench-SL. This update has been added to alleviate issues with large databases.
35016	An issue in the Workbench-SL Configuration environment has been fixed that occurred when a form was open with unsaved changes and the user attempted to switch to a different configuration database (making it Active). This is now prevented.

GENESIS64

AlarmWorX64

11075	AlarmWorX64 Viewer improvements have been made in the performance of Alarm Filters.
21435	AlarmWorX Multimedia will now support Language Aliasing in Alarm Messages.
25260	An automatic acknowledgement option has been added to the Alarm Tag Level in AlarmWorX64.

26176	An issue regarding Related Values in the AlarmWorX64 Server has been fixed. Previously some related values would appear to be missed due to a delay and limitation of processing over 1000 messages. The implementation has been changed to allow configuration of this delay via INI file. Users may change the ForceSquelchTime (a value of '1' will force the startup delay).
26868	An issue was fixed in the AlarmWorX64 Logger related to an improper setting for the maximum number of archive tables in the configuration database. Previously if the Max Archive Tables was checked and the number of tables was unchanged from the default then the database would have zero for that option, which means that no logging would progress. This has been fixed so the logging will occur.
29702	Optimizations have been added to the AlarmWorX64 Template Source List to prevent long template load times when templates are associated with a lot of alarms (100 or more) in large configurations (20,000 or more).
32231	AlarmWorX64 Logger Printer Changes that were made to GENESIS32 have been brought to GENESIS64 regarding updates in support for Schneider devices and Dot Matrix Printers.
33850	The AlarmWorX64 Viewer has been updated to no longer show a flash of sample alarms during the loading and initialization section of startup to avoid the miscommunication of alarms that aren't active or present. The viewer will now show a blank screen instead of examples.
33926	An issue with the AlarmWorX64 Service that prevented it from stopping in some cases where the AlarmWorX64 Server DA Output points were used. The Server will now stop properly, but may take a few minutes for some configurations.
34061	The default AlarmWorX64 Beep has been updated to a WAV file (instead of MP3) which allows alarm beeping to be hear via Remote Desktop and in Virtual Machines.
34760	An issue in AlarmWorX64 has been resolved by allowing Alarms to respect a Delay when returning to a Normal state. The delay was previously only allowed when the alarm went into an alarm state, but not upon exiting it.
34775	It is now possible in AlarmWorX64 to use a CSV (comma delimited, UTF-8 format) file to preload Language Alias points. Name it "alarmolelas.csv" and place the file in "Program Files\Common Files\ICONICS\FWX64\BIN." The Server will load via a one-time trigger if the file exists. The default delay will be 30 seconds.
35087	An issue with opening GraphWorX64 displays that contained AlarmWorX64 Viewers from past iterations of GENESIS64 previously caused some AlarmWorX64 Viewer settings to be reset in error. This has been resolved and linked to a few issues with sorting and blinking settings.
35286	An issue with the AlarmWorX64 Alarm Delay has been fixed related to an issue that was previously causing alarms to be generated immediately (without delay) where the value is out of range.

35428	An issue with the AlarmWorX64 Alarm Delay has been fixed related to an issue that was previously causing alarms to be generated immediately (without delay) where the value is out of range.
37152	An issue that caused historical alarm connections to not release properly has been fixed. Previously, over time this could cause historical alarm viewers to stop working until FrameWorX was restarted.

AssetWorX

18611	Having the ability to create multiple Default Commands for the Assets in the AssetWorX Configurator was confusing to some customers and there is now a warning when configuring this option. It cannot be removed for compatibility reasons.
25925	An issue found in the AssetWorX Configurator in Workbench-SL has been fixed related to the Configuration Name field not refreshing when the Command Type is switched. This caused user confusion, but the issue has been resolved.
33925	An issue that could cause AssetWorX Equipment Property Tags to become read-only has been fixed. Previously processes utilizing AssetWorX to write to other components (e.g., GridWorX) would fail due to the read-only status.
34103	Within AssetWorX it was previously allowed to save an Equipment Property with an empty string for a Dynamic Tag Source. This caused issues in the FrameWorX Server communication as it attempted to resolve the tag, but as since been resolved.

Camera Control

34016	ICONICS Security is now used in the Camera Control in GraphWorX64.
34149	The Camera Control in GraphWorX64 now supports ONVIF Event Subscriptions to allow alarms to be triggered off of Motion and/or Noise Detections. To find out more, view the What's New Document for this release.
34468	Additions to the Camera Control now allow for image flipping (when receiving upside down video feeds). FlipImageHorizontally and FlipImageVertically have been added to the Properties of the Control for this purpose. Pan and Tilt controls can also be flipped using the FlipPan and FlipTilt Properties to allow for easier operator interaction for feeds that are always flipped.

Commanding

27200	A problem using the StartTime/EndTime of loading Command Data in Silverlight previously caused GraphWorX64 displays using Load Energy AnalytiX or Load Facility AnalytiX commands to fail to load in PortalWorX-SL, but this has been fixed.
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ConverterWorX

28472	SNMP conversion is now permitted within ConverterWorX.
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31365	An issue previously seen in ConverterWorX when converting GraphWorX32 to GraphWorX64 displays has been fixed related to the zoom percentage. For large displays made in GENESIS32 that need a different percentage the zoom was being reset when converted to GENESIS64. This has been fixed and will no longer occur.
32473	An issue with ConverterWorX that related to the use of GraphWorX64 Find and Replace has been fixed so that the application does not hang.
34820	Conversion of GraphWroX32 to GraphWorX64 displays previously had an issue with updating Object Names. Because GENESIS32 allows spaces in Object Names an option exists in ConverterWorX to edit the names (e.g., OBJ X to OBJ_X). This previously did not occur within Dynamics though so that omission could cause Dynamics to fail once in GENESIS64. This has been fixed.

EarthWorX

31566	Behavior has been fixed in the pasting of EarthWorX Layers. An important note is that if the last layer is cut from the EarthWorX component and it is deselected (e.g., by selecting something different), the user needs to right click the EarthWorX component, click the "Edit Group" button and then the user can paste the layer. If the user does not click the "Edit Group" an error message will appear.
34571	An issue in EarthWorX relating to the setting and unsetting of Default Regions has been fixed. Previously a change in the viewer made it impossible to keep the settings the user chose. Latitude and Longitude will no longer be reset in this process.
34621	A few issues related to EarthWorX have been fixed related to settings or updates not appearing in the interface until a display was saved, closed and reopened. These include setting the name, visibility or locked status for any EarthWorX64Viewer single map layers, setting a single map layer visibility to hidden causes an XAML parse error – "Object reference not set to an instance of an object" and setting a single map layer opacity to anything less than 100% causes the same XAML parse error.
34878	Updates to the way that EarthWorX positions itself have solved an issue where EarthWorX Viewer sizes above 1200x700 seemed not to be supported.
35289	An issue with Pushpins appearing to move or reset their location when used in Windows RT and Windows Phone has been fixed. The root of the error was based in the use of Scalable displays.

GraphWorX64

4463	Updates to Security Permissions have been added for GraphWorX64 files. "Create" and "Modify" security permissions support is available for standard GraphWorX64 displays (.gdfx) and templates (.tdfx). See the What's New document for more information.
7943	The 3D Camera in GraphWorX64 is now able to follow or track an object by linking the camera to the object. This can be done through the Camera Patrol Dialog.

18103	In GraphWorX64 there was previously an error that caused Dynamics to be lost if two objects were combined via Union, Intersect, etc., but this has been fixed. A warning will now appear giving the options to apply all dynamics to the new object (default), discard dynamics or abort the combine operation.
18436	An issue with the option in GraphWorX64 to Preload Linked Displays has been fixed related to the use of Global Aliases in display names. Previously linked displays with Global Alias values were not resolved properly and therefore not loaded, but this has been fixed.
19019	Four new local simulation values have been added. For the current width/height of the "window" you can use localsim:property:ViewportWidth and localsim:property:ViewportHeight. For the current mouse or touch pointer localsim::currentPointerPositionX and localsim::currentPointerPositionY have been added.
21486	Two options have been added to GraphWorX64 to automatically Hide or Show Layers based on the currently selected layer. HideLayersAboveActiveLayer and HideLayersBelowActiveLayer can be set via a drop-down menu from the Ribbon and in the General Options in the Preferences Property Grid.
25564	Previous behavior of Windows Forms Controls within Pivot Controls in GraphWorX64 caused the embedded forms to move when Pivot Pages were changed. This has been resolved and non-ICONICS controls will now remain in the same position when the user changes pages within a Pivot Control.
26685	An issue that prevented the use of the localsim::safeTouchZoneActive local simulation value when working across multiple instances, windows and panels in GraphWorX64 has been fixed.
27345	It is now possible in GraphWorX64 to attach Disable and Hide Dynamics to Popup Menu Items. This will allow users to have dynamic lists of options to present to operators. This feature is enabled by a change that now allows multiple Pick Actions per Popup Menu Item (normal Pick Actions plus Disable and Hide).
27459	A Bulk Display Publishing Tool has been added to GraphWorX64 to allow users to publish a large group of displays or save them as different formats. Settings can be saved and reused to allow for single-click publishing or saving.
27481	Popup Windows are now controlled by more specific logic in regards to where the window appears. There are now 25 options with Manual, Center Screen, Center Owner Window and Center Object still available as well as Left, Center and Right for both Above and Below. Top, Center and Bottom are available for Left and Right of the selected object or mouse point.
27616	There is a new option in the Update Shared objects that allows users to preserve Local Aliases independently of Dynamic Tags.

28892	Users can now import StateField Definitions for GraphWorX64. Tab delimited and CSV files can be used to create the State field options for GraphWorX development.
30015	An option to preserve a Shared Object Description has been added into the Update Shared Object dialog in GraphWorX64.
30445	GraphWorX64 displays now have the ability to open even when Referenced Images cannot be found. Previously the display would show an error and fail to load and while the error will still appear, the display will now load afterwards.
30645	API updates to GraphWorX64 will now allow users to configure (via script) controls for navigating 3D displays.
31295	Value Sets used in GraphWorX are normally separated by commas, but previously when using non-English formats a semi-colon was expected to be used. The separator now translates properly when the region is changed.
31523	An issue was found in the new Fly3D mode for 3D GraphWorX64 displays relating to a clipping plane that determines how far in front of the camera in the 3D space the user will see objects. This has been fixed.
31776	The Data Entry Process Point Confirm Dialog in GraphWorX64 has been added to MobileHMI.
31857	An issue that previously allowed OEM Colors from MobileHMI to propagate into Default Theme Colors in GraphWorX64 has been fixed.
32402	An option has been added to allow users to permanently resolve Smart Symbols when publishing to reduce display size. This option will not affect the originally display or the original Smart Symbol, but just the published version.
32429	A property has been added to the GraphWorX64 Viewer Control to allow users to Suppress Error Messages. Defaulted to False the SuppressErrorMessages property can be set to True to prevent MessageBoxes from appearing.
32755	Consistency has been restored to the way users are able to zoom in embedded GraphWorX64 displays. Previously implementations of MobileHMI would react differently once fully zoomed in.
32925	The command line parameter "-name" is now able to define a commanding name. For example: GwxRuntimeApp.exe -name=cmdTwo
33111	An issue with dialog visualization relating to 3D Import dialogs in Windows 8 has been fixed. Some controls were previously not showing correctly when the user has changed magnification settings in Windows.

33711	An issue was fixed related to the New Settings in GraphWorX64. Previously if the user customizes the default save location in the New Settings form (New Display form), the save location would not get saved for the next time the user opens that form, but this has been resolved.
33922	An issue using multiple embedded GraphWorX64 Viewers inside a display that is cached has been fixed relating to some displays not being properly cached with the parent display causing a failure to load all the embedded displays from the cache.
33969	A crash was fixed in GraphWorX64 that could be caused by displays attempting to connect too many other GraphWorX64 displays and failing to reach those remote files.
34045	Previously Global Color Palette bindings were removed when saving GraphWorX64 displays for Mobile (GDFXP). These bindings were removed in error because global colors are supported on WinRT and Windows Phone so this has been fixed.
34075	Updates have been made to the MobileHMI Faceplates to maximize screen use. Previously in order to allow both Landscape and Portrait to fit on the screen some displays appeared to not be using the full available screen space.
34086	An issue in GraphWorX64 was fixed related to a scenario that occurred when dragging and dropping an object with both the Delete All Pens and Create Pen commands on it. This could previously cause GraphWorX64 to hang or crash.
34154	The DragDrop Property for Global Commands in GraphWorX64 Pick Actions was previously not visible when editing Silverlight Displays, but this was in error. The Property is now available in the Dynamic Property Grid.
34160	An issue with triggering Events when opening GraphWorX64 displays has been fixed related to GraphWorX64 Scripting. Previously opening the display and clicking a button to fire the event would work as expected, but if the display was not the first open (but navigated to via another display) then the Event would not fire.
34185	An issue that previously prevented Color Dynamics from updating correctly in the HTML5 implementation of MobileHMI has been resolved.
34186	Embedded images can now be used inside of Buttons (as a child object) in the HTML5 implementation of MobileHMI.
34343	An issue was fixed in MobileHMI relating to displays opened with the Set Global Color Theme Command. This has been resolved within the WinRT version of GraphWorX64.
34375	An issue was found in MobileHMI that disables buttons when they have a Set Global Color Theme Pick Action attached to them. Other commands were still working correctly, but this has been fixed for the Set Global Color Theme command.

34397	An issue with moving objects via the GraphWorX64 Keypad has been resolved. Previously, when the AutoAdjustGridSize property was disabled and the user was zoomed into a display, it would no longer be possible to move an object via the keypad (Up, Down, Left and Right arrows). Enabling this property allowed the object to be moved, but used its own grid scale rather than the one specified at 100% (as expected).
34502	A new checkbox option has been added to the Template Update dialog for "Overwrite Conflicting Scripts". If the user chooses the "Update All" option, the choice will be used for all messages instead of prompting the user with a message each time a conflict is found (i.e. unattended update). If the user chooses the "Ask Update" option, the prompt to overwrite scripts will be shown for any display that contains scripts (i.e. the "original" behavior).
34677	An issue was resolved where previously a GraphWorX64 display with a dependency display (linked display) without an extension (e.g., GDFXP) would default to GDFX instead of using the same extension type as the original display which was expected. The system will now assume the file type is the same unless explicitly stated.
34770	An issue with the Auto Uncheck Duration in GraphWorX64 (for Dynamic Check Boxes) has been fixed. Previously, if the Auto Uncheck Duration was a dynamic value, either from a tag or expression, the duration would not take effect until the checkbox was unchecked and checked again.
35280	An issue with independent pop-up windows in Silverlight has been fixed related to data not appearing correctly once the pop-up is moved.
35479	An issue that previously arose when specifying Window Properties for a Popup Window in GraphWorX64 has been fixed related to using the properties Left and Maximize in tandem. Supplying the value of 100% to Left will move the Popup to the far left monitor, but using it with Maximize would still maximize the window on the primary monitor, ignoring the value for Left, but this will no longer occur.
35920	An issue with multi-monitor set ups has been fixed related to Popup Windows in GraphWorX64. Popups that previously opened on the 1st screen regardless of the parent display's location have been fixed.

GridWorX

17082	The option to cache datasets in memory has been added to the GridWorX Viewer. The functionality is similar to the AlarmWorX64 Viewer that allows the cache to be updated when a page is refreshed.
17692	Conditions have been enhanced within the GridWorX Viewer to allow users to configure rows to blink a chosen color and at a chosen rate.
18455	Rules and Validation have been added to the GridWorX Viewer to allow users to set ranges for operators to be limited by. If an operator sets a value that is not allowed a red row will appear and an error will be displayed in the tooltip.

18988	A new option for Tag Details (tags and associated properties) can be added as a GridWorX OPC Connection. Users will see a row for each tag and all the tag details in the columns along that row.
22651	The GridWorX Viewer is now able to support editing multiple rows at once. Edit/Insert/Delete can all be used on multiple rows before the user clicks Apply to save changes.
25586	An issue perceived by some to limit the use of two column names that are identical, but from different tables in the GridWorX Server configuration can be avoided by using the Advanced SQL Query designer. By adding a unique Column Alias to the value GridWorX will accept duplicate column names.
26532	The updated GridWorX Viewer will now show Groups collapsed by default. To change the default option the Advanced Settings contain a binary property for AutoExpandGroups that should be changed.
27350	An issue on clients attempting to export data from the Workbench in Internet Explorer has been resolved. This issue was originally seen on clients using 2 GB of RAM or less, but was linked to an issue with WebHMI.
28256	Print functionality has now been added to the GridWorX Viewer via the Commanding Print option.
29513	With the addition of the SPC charting in the GridWorX Viewer there is now support for banding in the chart area to create sets of three vertically oriented areas of space filled with a custom color scheme (to represent upper and lower control limit areas).
29894	The preview of SPC Charts in GridWorX have been updated to show a meaningful representation of what would be seen in Runtime instead of a randomized view of the SPC Chart.
32203	An issue that prevented Tooltips from appearing on the SPC Charts has been resolved. They will now appear as expected.
34330	The Keypad found in the WPF implementation GraphWorX64 has been extended to support GridWorX functionality to ease the challenge of using touch screens with GridWorX Viewers. Due to limited support in Silverlight and WinRT the Keypad will not be available for those displays.
34831	Plot APIs from the TrendWorX64 Viewer have been extended to the GridWorX Viewer to support SPC Charts.
34907	An issue with the GridWorX Viewer could previously cause configured series to lose their settings when adding a new series or modifying existing ones. Now when the user creates a new series the system picks a color from the custom palette (if specified) or from the default palette. The system will also use the last chosen stroke and stroke thickness.
34911	Previously when configuring a series in a GridWorX chart refreshing data caused the Column Bindings to be reset to default values even if there were no changes in the data source structure. This has been fixed.

34913	It is now possible in the GridWorX Viewer to set the Range of a Custom Axis by selecting the "Use Specific Range" option without having to show the axis. Previously adding multiple series with the same range, but needing to specify a custom axis could lead to multiple, identical custom axes.
34915	Setting a Custom Axis Brush to the Null color now hides the axis in the GridWorX Viewer Charts.
34918	It is now possible to copy and paste chart configurations from one GridWorX Chart to another. Previously, Series data was not copied.
34992	An issue with column alignment has been fixed in the GridWorX Viewer.
35011	An update to GridWorX Viewer is now available that will prevent column configuration loss when switching between subscriptions that don't change the column settings. If switching between multiple subscriptions the GridWorX Viewer will now check the configuration before resetting to default.
35612	Functionality similar to the AlarmWorX32 reporter in GENESIS32 has been added to GENESIS64 to allow for SQL Expressions to determine Virtual Columns within the AlarmWorX64 Viewer.

ReportWorX Express

28324	Range Collision Detection is now available in ReportWorX Express. First, the system will detect if two different data sources overlap. Second, for data sources with no row counts ReportWorX Express will detect if any data sources exist below the unlimited one. Finally, the top 3 rows are marked with comments to indicate that they are reserved for identification (e.g., DataType, Tags).
28937	The currently running report will now appear in the Report Viewer Web Part. If the Web Part is open when a report begins execution the Report Viewer will have to be manually refreshed to display the status.
28938	Cancelling reports in the Report Viewer Web Part is now supported. The cancel button will only show if the ReportWorX Server has been updated to a version greater than 9.30.207.0. Reports may not cancel immediately even though the request has been issued. ReportWorX will now check for cancellation requests in between the execution of data sources, however, reports with only one data source that are cancelled during execution will complete and then cancel.
29060	Issues related to modifying data within the ReportWorX Express configuration have been alleviated by allowing use of the Data Source Manager for modifications.
31078	An issue related to Drag and Drop in ReportWorX Express was fixed that previously caused columns to uncheck in error.
31816	Validation has been added to ReportWorX Express for Start Dates and End Dates.

32129	An issue that in some cases previously caused ReportWorX Express to be unable to save SPC data from Quality AnalytiX within a report has been resolved.
32180	The Timestamp Cell Format is now set to use Excel's TIME format which was previously just using GENERAL.
32463	ReportWorX Express now allows Cell References as sources for parameters. See the What's New document for details.
32878	The ReportWorX Express standalone installation is a light weight install that is able to connect to remote and non-default FrameWorX Servers. See the What's New Document for details.
32930	An issue in ReportWorX Express has been resolved related to the mapping of AlarmWorX32 data.
34914	ReportWorX Express now allows users to choose an Alarm Log Table from a list when looking at AlarmWorX32 Historical Alarms.
35227	In ReportWorX Express Sources with Parameters were previously not overwritten when values changed, but rather new values were added below the old values in error. This has been resolved.
35422	PortalWorX-SL Reports now have dynamic intervals for the Report Viewer. The start and end date boxes are not shown by default, but have been replaced by a dropdown selection. The user can choose to visualize reports for: this month (from the beginning of the month until today's date), this week (from the beginning of the week until today's date - the week is considered to begin on Sunday), today (all reports executed today) or choose custom (will show the custom start and end time selectors as before). Previously choosing to run a report for "today" in the template would permanently use that date instead of updating each time the report was triggered.

ScheduleWorX64

17937	An issue that previously caused ScheduleWorX Runtime to fail to save an overridden state for schedules has been fixed.
31254	Selection has been added to the BACnet Schedules "Select Property" dialog to allow users to see what property they already have selected.
31258	Options for better processing of Object Properties in BACnet Schedules have been added. Refresh will update the selected node in the tree and re-browse the children of that object. Enter Up will add all descendent properties of the selected node.
32179	An issue with loading BACnet Schedules with no default value has been fixed. Previously this could cause an exception to pop-up during load, but the issue has been resolved.

32450	The ability to use Global Alias values in the Data Source field (also known as the "SchedulePath" Property) has been added to the ScheduleWorX Viewer. For example, users can now have a global alias that switches between the values 1 and 2 in order to switch between the sample schedules: @csch64:Facility Management.Building Floor <#Number#> Lights.Value
32824	An advanced option for BACnet Schedules has been added to allow users to customize the Event Text for BACnet Weekly Schedule Views. The default value is: "{{value}}{{datatype}} {{timestamp}}". Users can rearrange or delete these aliases and insert other characters as desired. At least one of these aliases MUST be used, or else the value will revert to the default syntax, which will provide feedback for incorrect syntax.
33142	An option in the ScheduleWorX BACnet View Advanced features has been added to hide Seconds and Milliseconds from the schedule configuration to allow users to have those values to default to zero. This change will hide the configuration, but will not actually change the times unless the user manually enters it.
35138	Printing is now supported by the Schedule Control for ScheduleWorX64 and BACnet Schedules.
35765	Icons will now reflect the state of Schedules in the ScheduleWorX64 Provider in Workbench-SL. An enabled or disabled icon will now indicate to users which Schedules are active without requiring the user to open them.

TrendWorX64

16191	TrendWorX64 now has the ability to get a TrendWorX64 Pen and Chart via scripting as the public methods FindChartComponent, FindSeries and FindPen in TwxViewControl class.
20898	There is now a simple way to get a datetime via scripting using a new sample.Timestamp property. For example, users can get a reference to a TrendWorX Viewer and a Pen before calling "pen.Samples[0].Timestamp.ToLocalTime().ToString()"
21045	Problems with HDA data visualization in TrendWorX64 relating to large amounts of data have been fixed in the rendering and data processing areas.
23737	Labels have been added to differentiate the Sample Time and Comment Time for TrendWorX64 Samples.
26849	The conversion of TrendWorX64 Viewers from TrendWorX64 to Hyper Historian has been moved into the ConverterWorX interface for better compatibility.
26854	Converting TrendWorX32 to Hyper Historian had an issue that would cause Deadbands to be reset to Percent Type: 0 when using ConverterWorX, but this will no longer occur and has been resolved.

27298	An error in the implementation of logic for Boolean tags has been updated in the TrendWorX64 Viewer when using the Auto-scale option. Boolean tags will always be 1 or 0 so the "Auto" setting will now reflect that range. Previously the default was 0 to 100.
28258	Print functionality is now available in TrendWorX64 for Silverlight displays. Using Commanding the parameters for ShowPrintDialog and PrinterName can be accessed. The Print button can be found in the toolbar and will be available in both Windows Presentation Foundation (WPF) .GDFX displays and Silverlight .GDFXS displays.
28781	The option to use Dynamic Tags within the Fixed Range of a GridWorX Database Tag has been added to allow for further customization of what can be pulled from GridWorX for GraphWorX64 consumption.
29124	It is now possible to customize the Plot Area Border of TrendWorX64 Viewers. This previously caused some user frustration as the background could be removed, but the border would remain.
30631	An issue that caused the TrendWorX64 Freeze Mode Operator Comments to unlink from the Pen they are associated with has been fixed.
30745	Updates to TrendWorX64 Viewer performance have alleviated an issue that occurred on devices running on an ARM processor. Multiple TrendWorX64 Viewers on a single screen could cause the MobileHMI app to slow down or crash based on performance issues. These have been fixed.
30826	An issue with using colors to theme a TrendWorX64 Viewer has been fixed relating the Plot Border. A new Property for the PlotAreaBorder can be found in the configuration under Chart > Advanced > PlotAreaBorder for setting the color of the rectangle that bounds the chart. Colors for the Axis Tick Marks (also considered part of the border) follow the color chosen for the Axis Tick Mark Labels.
31227	Limits have been applied to the zooming of TrendWorX64 Viewers to prevent a rare issue that could cause GraphWorX64 to crash if the user zoomed too far out or in. A Limit of 1000 years has been imposed on zooming out. The Zoom command under the TimeAxis is now an absolute setting where 100% zoom is equal to the original configured axis range.
31238	The 'Tag_Handle' field has been added to the export/import files for the TrendWorX64 Logger to avoid issues with data loss for those utilizing the function.
31277	An issue with the TrendWorX64 Viewer that could be seen in some scenarios has been fixed regarding the display of an error that said "Not All Data is Visible Because Buffer is too small."
32113	An issue was fixed in the TrendWorX64 Viewer related to Histogram Plots. Previously Ranges wouldn't change appropriately in Histogram Plots when Global Ranges were configured to "Auto Scale".

32280	An issue that related to Language Aliasing Unit calculations for Manual Ranges failing when being used on the Chart Level of the TrendWorX64 Viewer has been fixed. Previously the calculations would only work on the Pen level of the TrendWorX64 Viewer.
32408	Full configuration of the colors and visual elements of the TrendWorX64 Legend is now possible.
33373	Updates to the TrendWorX64 Viewer have fixed an issue that previously caused issues with text when lowering the axis label font size via the spin button broke the functionality. The issue has been fixed, but when the size reached zero the displayed value previously changed to 0.1 and the actual label size in chart reset to the default.
33435	An issue was fixed in the TrendWorX64 Viewer where previously a static pen was properly shown and updated on value changes, but when the plot was changed in runtime (via right-click menu or Pens configurator in ribbon) no line was drawn for the new plot. This has been fixed.
33482	An issue that prevented the TrendWorX64 Legend from respecting alignment settings and always using Left-alignment has been fixed.
33503	An issue that previously prevented Manual Scaling from functioning when used in combination with Global Alias names has been fixed. The TrendWorX64 Viewer is now able to resolve the value, but is limited to non-booleans.
33928	Performance updates have been made in the TrendWorX64 Viewer to alleviate issues that caused delays and slow functionality when adding TrendWorX64 Pens via script.
33998	TrendWorX64 Viewers using the Summary View now expose an option for the user to determine the color of the Fill and Stroke of the shaded area of the Summary View.
34033	Create one trend viewer in 10.71 and one in 10.81. Pause both of them and move the slider in summary view. Notice the shade color in 10.81 is blue but in 10.71 is grey.
34105	An issue was found and resolved within TrendWorX64 relating to WebHMI freezing with WPF and Silverlight displays when the user has configured a plot to show Uncertain & Bad data in the 'Span Over' mode. Mouse interaction often caused the browser to freeze, but this has been fixed.
34117	A change to the TrendWorX64 Viewer Summary Plot was made so that it will now respect settings for bad quality pens and use a bad quality color within the Summary View. Previously the Summary View could appear to be showing incorrect data because of the way it displayed uncertain or bad quality data.
34140	Previously exporting Pen Value and Pen Statistics in Runtime from the TrendWorX64 Viewer the export would be generated, but missing the Point Name. This has been resolved.

34168	An issue related to dragging and dropping pens into a TrendWorX64 Viewer has been fixed relating to the Legend exhibiting a flashing behavior that prolonged as more pens were added.
34367	Performance issues in the TrendWorX Viewer were fixed to improve overall drawing of pens in all versions. Issues were originally seen in Internet Explorer, but were found to be centered on TrendWorX64. A new property (enabled by default) will allow decluttering of samples the will filter samples based on the number of samples and the size of the TrendWorX64 Control on-screen. It can be disabled in the Advanced tab of the Pen Configuration (under 'Data') if desired.
34386	Cross-display commanding has been fixed when targeting a TrendWorX64 Viewer in a different GraphWorX64 Display. Previously only local commands (in the current display) would work with TrendWorX64.
34392	An issue with the High and Low Ranges set up in TrendWorX64 Logging or the Hyper Historian was not being used in the TrendWorX64 Viewer, but this has been resolved.
34474	Chart settings in the TrendWorX64 Viewer have been updated so that sample tooltips can be hidden. The ShowSampleTooltips setting previously failed to respect the user's choice in some cases.
34477	A button to hide and show the Summary View in the TrendWorX64 Viewer has been returned to its former location on the right hand side of the Summary Scroll Bar.
34513	Issues with the persistence of Numeric Format on TrendWorX64 Viewer Pens have been fixed. Previously exiting runtime sometimes undid user changes.
34700	It is now possible to show two axes of arbitrary TrendWorX64 Viewer Pens but selecting them in the Legend. A new Chart Property 'AxisSorting' is available in the 'Axis' section of configuration.
34740	An update for the TrendWorX64 Viewer y-axis functionality has been made to ensure that the system respects user settings for the Numeric Format of the Range Axis.
34754	Annotations or Operator Comments in the TrendWorX64 Viewer now correctly follow the 'Use UTC Timestamp' property of the Chart configuration. Previously comments would show UTC timestamps even if the chart was configured to use local time.
34759	An issue related to the AlarmWorX64 Alarm Limits and Regional Settings for the numeric format of decimal places (either '.' or ',') has been fixed. Non-English settings are respected. Users upgrading should verify that correct values are shown in all clients.
34811	An issue when adding TrendWorX64 Pens to a TrendWorX64 Viewer in WebHMI has been fixed relating to the "Getting Attributes" pop-up that freezes the screen while they are returned. While adding too many pens could still slow the return of data adding multiple pens will function as expected.

34894	An error that could appear on some GraphWorX64 Displays using the compressed mobile format (GDFXPZ) has been fixed. Previously a property of TrendWorX64 that was being saved should not have been stored in the XAML configuration. It is now hidden and will work properly, but displays encountering this issue need to be saved again.
34961	The TrendWorX64 Viewer Time Scale format has been fixed to show labels more efficiently. When multiple labels will not fit within the x-axis the text will now wrap over several lines (trimmed by ellipses if necessary).
35123	The TrendWorX64 Viewer will now use the ICONICS Security before using System Security when adding a username to TrendWorX64 Comments. Previously System Security took precedence, but could differ from ICONICS Security (if not using Active Directory). If all ICONICS Users are logged out System Security will be used.
35257	An issue that occurred in some TrendWorX64 Viewer configurations has been fixed relating to trends disappearing when the user switched from one plot to another in Freeze mode.
35258	An issue that could previously cause the GraphWorX64 container to crash has been fixed in TrendWorX64. Previously when zooming into a TrendWorX64 Viewer using the Zoom command followed by calling a Reset Zoom command could cause the issue.
35261	An issue with the logic of the Sample Tooltip Settings in TrendWorX64 previously caused users to also disable Operator Comment Tooltips without knowing (due to a connection with Sample Tooltips). They have now been separated as expected.
35415	An issue with previous upgrades for TrendWorX64 Viewers within GraphWorX64 displays that caused the formatting of Axis Labels to reset has been fixed.
35424	An issue found when plotting GridWorX data within a TrendWorX64 Viewer stemmed from an issue with a failure to update Global Alias values when the Plot was frozen, but this has been resolved.
35436	An issue in the TrendWorX64 Viewer that could cause Ranges from previous (since deleted) Pens to appear again with the addition of more Pens has been resolved.
35437	Updates to the method used for decluttering of TrendWorX64 Samples in the TrendWorX64 Viewer have been made to increase performance of displays utilizing this feature.
35439	An issue with the TrendWorX64 Marker Styles has been fixed related to behaviors that caused some pens to reset the Marker Style to Square after each save.
35533	An issue in the TrendWorX64 Viewer that previously caused Local Time and UTC values to be combined in a single plot has been resolved.
35692	Updates have been made to the TrendWorX64 Viewer to allow for better operation when ranges include Bad or Uncertain data.



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