ICONICS 10.97.2

Resolved Issues | ICONICS Suite™

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Introduction to Resolved Issues for 10.97.2

This edition of the "Resolved Issues" describes many fixes made in version 10.97.2 since the previous release (10.97.1). For information on fixes made in earlier versions, see the appropriate "What's New" document for those versions.

For information on features and enhancements made in version 10.97.2, see the "What's New in ICONICS Suite" document.

Note that if updates need to be made, the most up to date "What's New" and "Resolved Issues" documents can be found in our online documentation here:

Release Notes

This document was updated in December 2022.

Security Vulnerabilities

Information about security vulnerabilities will not be found in this document. For this information, refer to <u>iconics.com/cert</u>.

Common & Platform Services

Ref ID	Description
88447	Resolved a rare deadlock on the Web Socket communication layer. This deadlock could cause services (such as FrameWorX, GridWorX/Databases, or AnalytiX-BI) to stop communicating or leak memory.
88791	Resolved a crash in certain applications that could occur when the application read a data point that did not start with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data Manager, DataSpy, and AlarmWorX64 Multimedia.
89732 89737 89789 89790 89791 89792 89876 90160 90111 89587 89764 90389 89590	Various enhancements to improve the security of the software.

Commanding

Ref ID	Description
86672	When using the Edit Pen command, the HTML5 TrendWorX64 Viewer did could not find the pen by name, only by index. This has been resolved.

Data Browser

Ref ID	Description
87439	When running in AssetWorX Tag Counting mode (used in GENESIS64 Basic SCADA), the proper set of browsable tags may not have been shown when switching back and forth between an area of Workbench that was allowed to browse the entire address space (like AssetWorX equipment properties) and an area that was only allowed to browse a limited set of the address space. The browser could behave as if the user were still using the previous client (so attempting to browse for tags from inside Hyper Alarm Server might have incorrectly shown the entire address space if the user previously was browsing for tags under an AssetWorX equipment property). This has been resolved.
87910	Resolved an issue causing Global Aliases to be missing under the Platform Services tree in the data browser.

FrameWorX

Ref ID	Description
86878	OPC UA servers configured under Data Connectivity > OPC UA > OPC UA Network were not browsable if they were
00070	configured with a Secondary Endpoint URI. This has been resolved.
	Resolved a rare license failure that could occur due to extra newlines in the FwxServer.Network.config file inside
87668	empty attributes. These newlines could also have caused custom GenEvent messages defined in
	FwxServer.Network.config to appear blank in runtime. The newlines may still appear, but no longer cause any issues.
89068	Resolved issues in the data explorer that could cause it to fail to show runtime data for certain tags.
00002	Resolved a rare crash (System.InvalidOperationException) of ICONICS FrameWorX and ICONICS Simulator Point
89082	Manager services on startup.
89350	Resolved a rare performance issue that could case FrameWorX to repeatedly become unresponsive (causing the keys
	to appear on clients or data to stop updating).
89428	Resolved connection issues with FrameWorX node pairs that had auto-failback disabled. Issues might include nodes
	incorrectly showing as offline in MonitorWorX Viewer or failure to get data via the FrameWorX alias.
89675	On a system using reverse networking (configured in Platform Services Configuration > Basic tab > Reporting
	section) and a FrameWorX node pair or server alias (configured under Workbench > Platform Services > FrameWorX
	> FrameWorX Network, tags using the server name defined in FrameWorX Network could stop showing data and
	have a status/quality of "Bad – Communication Error". This has been resolved.

Installation

Ref ID	Description
88327	Users who upgraded from a previous version to 10.97.1, were using WCF communication ("Use WebSockets" deselected in FrameWorX Server Location), and who installed 10.97.1 using the secure installation option (which was the default) would have seen keys and been unable to use the system. This has been resolved in version 10.97.2. Users upgrading from a previous version to 10.97.2 will not encounter this issue.
88883	The Configure System utility (which is utilized in the installation and can be launched standalone) would always fail when using a Managed System Account (MSA) account. This has been resolved.
88944	When running the Configure System utility to change the identity of ICONICS services from a normal user to a Managed System Account (MSA) or vice versa, the ICONICS Hyper Historian RawData Provider Host (HHRawDataProvider) service's user would not be correctly changed and would remain running as the previous user. This has been resolved.

Language Aliasing

Language Aliasing Workbench Provider

Ref ID	Description
86825	The Language Aliasing provider now correctly alerts the user when invalid characters are used in alias names or if the name is longer than the allowed limit of 255 characters.
88763	After upgrading a language aliasing database from an older version, users may encounter an "Object reference not set to an instance of an object" error when attempting to edit language aliases. This has been resolved.

Licensing

Ref ID	Description
87553	When using the Reserved License feature, AlarmWorX64 Server and AlarmWorX64 Logger would not be able to use a
	reserved license when there was only one available reserved license left. This has been resolved.
88689	When a software or hardware license was applied, the reserved license feature did not function. Any license client
	could use any license, reserved or not. This has been resolved. (This issue did not affect cloud licenses.)

Redundancy

Ref ID	Description
	Resolved an issue that could cause redundant servers to not appear or appear as offline in MonitorWorX's
87299	Redundancy tab even though they were functioning and actively providing data. In some cases, the servers would
	appear once they were browsed in the Data Browser.

Security

Ref ID	Description
87134	When using security in Azure Active Directory mode, user permissions were not being properly applied from nested groups. This has been resolved.
87978	The AddUser action of the Configure Security command did not function (the user was not added to the given group). This has been resolved.

Tools

Bulk Asset Configurator

Ref ID	Description
	If the Excel sheet used for the Bulk Asset Configurator input was configured to show the phonetic field (an Excel
88698	feature), the characters from this field would be included in the assets and objects created by the Bulk Asset
	Configurator. This has been resolved - the phonetic field characters are no longer used if that field is visible.

TraceWorX

Ref ID	Description
86641	TraceWorX was unable to log messages coming from GenClient64. This has been resolved.

Unified Data Manager

Ref ID	Description
	Resolved a crash in certain applications that could occur when the application read a data point that did not start
88791	with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data
	Manager, DataSpy, and AlarmWorX64 Multimedia.

AnalytiX

AnalytiX-BI

Ref ID	Description
86627	The COALESCE, CONCAT, and CASE WHEN functions would fail when used with only constants or constant
86630	expressions. This has been resolved. The COALESCE function may cause query errors when literal NULLs are used as parameters, and one or more other
86657	parameters are one of these types: bool, string, byte, sbyte, Int16 or UInt16. The totimezonetime() function would cause an "unsupported data type" error when used as part of a query. This has
00037	been resolved. Views that called another view and used a parameter in that nested view would cause an error and not return data.
86941	This has been resolved.
	Example view definition that might cause this issue: SELECT * FROM AnotherView(@param)
86972	Improved grouping performance, especially when grouping by a string column.
86978	Resolved a query execution error that would occur when calling COLLATE in an IN list.
87092	View parameters of type Native are not supported by AnalytiX-BI; however, Workbench allows them to be created. Previously, views created with Native parameters would appear to have been created properly but would not be visible when browsing. This has been resolved by treating parameters of type Native as if they were type String. Future versions may remove the option to create Native parameters from Workbench and convert any existing Native parameters to String.
87126	Made an improvement in the performance of queries that use subqueries.
87147	Resolved a crash in the AnalytiX-BI Server that would occur when browsing a data view that used a parameter of type Native.
87352	The .@@Count point applied to a dynamic query (example: bi:Models:Northwind(SELECT * FROM Employees).@@Count) was no longer working in 10.97.1. This has been resolved.
87376	Resolved an error that could prevent data from being loaded into a data model table from a dataflow when both the table and the dataflow contained a hierarchical column (such as an asset path).
87459	Queries including both the JOIN and GROUP BY clauses would fail to execute, citing the GROUP BY column did not exist. This has been resolved.
87468	On localized systems, the Runtime Status points (Status, Last Updated and Row Count) shown in the Data Table configuration form in Workbench would report a bad quality value. This has been resolved.
87571	Resolved a rare deadlock that could cause data flows and data models to suddenly start showing bad quality after running for a period of time. When this issue occurred, the BI Server would be unresponsive and needed to be restarted. This issue would only happen on systems where security was enabled and "BI -> FWX" credentials were configured in Platform Services Configuration on the Passwords tab.
87701	Implicit joins involving a view would fail. Note that KPIWorX uses implicit joins, so this issue could have resulted in KPIWorX returning no data for AnalytiX-BI queries involving at least one view and another view or table.
88136	Previously, having a view with more than one column with the same name (such as a view with this query: "SELECT CategoryID, CategoryID FROM Categories") would case the AnalytiX-BI server to crash. Now, the AnalytiX-BI point manager will disable views that return multiple columns with the same name. A message will be posted to TraceWorX to explain why the view was disabled.
88469	Resolved an issue that could cause triggers to not fire during runtime. When this issue would occur, an error along the lines of "Error while creating trigger" will be posted to the TraceWorX log. This issue could also have caused the AnalytiX-BI service to raise an error and crash while shutting down.
88542	Resolved an issue that may have caused certain implicit JOINs to fail with an "Index was outside the bounds of the array" error.
88675	Self-referencing views (such as a view named "View" with a query of "SELECT * FROM view") no longer crash the AnalytiX-BI server.
88939	Collations in a query will no longer cause parse errors if the collation name contains upper-case characters.
89880	Resolved a memory leak that could happen when using the "Update and insert" trigger.
90112	Resolved a rare issue that could cause some queries returned incorrect values.
90121	Queries that refer to a table name in a different case than its original definition may fail. This has been resolved.
90221	Queries that include a column in ORDER BY but not in SELECT may fail. This has been resolved.

AnalytiX-BI Workbench Provider

Ref ID	Description
89200	In previous versions, when testing a query with parameters, Workbench would substitute the parameter value as a string, even if the parameter was a different type. Now, Workbench explicitly casts the parameter's test value to the appropriate type, which creates a more accurate test query.
	This issue may have caused errors when testing in certain circumstances, such as if the query contained both non-string parameters and a UNION.

BridgeWorX64 & Workflow

BridgeWorX64 Server

Ref ID	Description
86661	Resolved a rare crash (NullReferenceException) in the BridgeWorX64 or CFSWorX engine. The crash involved using a Bulk Tag Writer or Bulk Tag Reader activity with a tag list that came from a database query, and the result of that database query contained null or empty tag names.
88287	In certain circumstances, OPC UA write requests could become stuck in a queue and never be committed or would be committed much later than expected. This was more likely to happen when many writes were executed at the same time. This issue has been observed in BridgeWorX64 when executing many OPC UA writes at once, but it could have occurred in other OPC UA client applications performing writes.
89447	Resolved an issue causing BridgeWorX64 to consume one extra transaction license. This issue could have caused a transaction to not execute due to insufficient licensing if the system was configured to use the maximum number of transactions allowed by their license.

BridgeWorX64 Workbench Provider

Ref ID	Description
	In BridgeWorX64, CFSWorX, and Workflow diagrams that were upgraded from a previous version, any parameters for
86717	Start Time and End Time in Historical Alarm or Historical DA activities were unable to be changed in version 10.97.1.
	This issue has been resolved. (This was documented as a known issue in 10.97.1 with reference ID 86697.)

Workflows Workbench Provider

Ref ID	Description
	In BridgeWorX64, CFSWorX, and Workflow diagrams that were upgraded from a previous version, any parameters for
86717	Start Time and End Time in Historical Alarm or Historical DA activities were unable to be changed in version 10.97.1.
	This issue has been resolved. (This was documented as a known issue in 10.97.1 with reference ID 86697.)

CFSWorX

General

Ref ID	Description
86661	Resolved a rare crash (NullReferenceException) in the BridgeWorX64 or CFSWorX engine. The crash involved using a Bulk Tag Writer or Bulk Tag Reader activity with a tag list that came from a database guery, and the result of that
	database query contained null or empty tag names.
87199	SendGrid Email activities that were upgraded from a previous version to 10.97.2 would fail. SendGrid Email activities that were newly created in 10.97.2 would work fine. This has been resolved.
87304	The syntax for alarm fields in Alarm Filter expression on Field Workflows changed slightly between 10.97 and 10.97.1. Version 10.97 required the full field name, such as {{BaseConditionType.OriginalSource}}, where version 10.97.1 would only accept the short field name, such as {{OriginalSource}}. Now, the full field name is converted on the fly to the short field name, so filters that were originally configured in earlier versions will continue to work.

Description
When using the SendGrid Email or Sendinblue Email notification blocks, if more than 255 characters were entered into the To, Cc, or Bcc address fields (such as when entering multiple email addresses), the email would be sent normally but would not be logged. For SendGrid, this failure to log the outgoing message would have prevented acknowledging the triggering alarm, as the system could not find the original message in its log and did not know what should be acknowledged. (Note that Sendinblue does not support acknowledgement, so this issue was less apparent with Sendinblue.) This has been resolved.
Resolved a rare crash of the ICONICS Connected Field Worker Workflow Scheduling Service (IcoCFSWFScheduling.exe).
Connected Field Service Workflows were not being triggered on systems upgraded from 10.97 or earlier when the CFSWorX Workflows Point Manager was configured to run in-process. This has been resolved.
Resolved a rare crash of the ICONICS Connected Field Worker Workflow Point Manager (FwxCFSWFService.exe).
When a worker lookup was configured with "Send to all Workers at same time", the activity that consumed the worker list (such as Twilio Message) may have sent the message to the "To address" configured in the activity for all messages, rather than the contact info of each worker. This has been resolved.
If a worker's "Enable on Tag" field was configured to be an AssetWorX property, the worker would always be disabled when the CFSWorX engine started, even if the AssetWorX tag had a value of true. CFSWorX would have to be running while the tag transitioned from false to true in order to properly enable the worker. This has been resolved. Note, while this issue was most commonly seen with AssetWorX tags, it could have happened with other tags as well under specific circumstances.
If a worker's Alarms tab contained an alarm string that included a remote node (such as "@\\Server\ICONICS.AlarmSvr.1\Plant Area B"), that worker would not be notified. This has been resolved.
Resolved an issue causing the Repeat Contact List activity to sometimes return an empty worker list. This issue would have been more likely to happen if the Worker Lookup activity that preceded the Repeated Contact List activity had the "Send to all Workers at Same Time" option enabled.

CFSWorX Workbench Provider

Ref ID	Description
86717	In BridgeWorX64, CFSWorX, and Workflow diagrams that were upgraded from a previous version, any parameters for Start Time and End Time in Historical Alarm or Historical DA activities were unable to be changed in version 10.97.1. This issue has been resolved. (This was documented as a known issue in 10.97.1 with reference ID 86697.)
87823	Workbench now prevents the Field Workers > Local-Default source from being renamed. Workbench import/export now also protects against inserting multiple database-type worker sources, which is not permitted. Previously it was possible to erroneously insert multiple database-type worker sources by renaming "Local-Default", exporting these items, and then importing them into another database. This should not have been allowed.
07023	Note, in the rare event that your system already has multiple database-type worker sources, attempting to export and import this configuration will result in errors. If you believe you have this situation, please contact technical support to assist you in editing the database in SQL Server Management Studio to delete or merge the database-type worker sources.

Facility AnalytiX & FDDWorX

Ref ID	Description
	Previously, when a fault rule expression produced a null or empty value, it would be evaluated as false. This could lead to faults being cleared and re-triggered if there was a network interruption or other brief situation that caused bad quality. Now, null or empty values are not converted to either true or false, causing the fault to remain with its previous state.
89148	Users are recommended to use the IFQ expression instead of IF in their fault rule expressions and enabled expressions.
	Example: x= IFQ (_condition_) THEN 1 ELSE 0

Fault Viewer

Ref ID	Description
86616	The Table control and Fault Viewer would stop displaying timeline, microchart, or other array data when the grouping was changed. This has been resolved.
88527	When in a grouped view, such as "Fault Statistics", the timeline grouping was incorrectly stacking up between rows, leading to lower rows showing an incorrect amount of active time. Rows far enough down could show completely full (active all the time). This has been resolved.
89534	Displays created in 10.97.0 or earlier would lose the automatic width setting of columns in the Table Control or Fault Viewer after the viewer was edited and saved in the new version. This has been resolved, but only for displays that are newly upgraded. Displays that were already saved in a version that had this issue will have permanently lost their automatic width configuration and will need to be reconfigured.

ReportWorX64 & ReportWorX64 Express

Common

Ref ID	Description
87414	"Automatically evaluate a date and time" parameters would incorrectly use the time that the report was run, not the configured time. The date would correctly be set as configured. This has been resolved - now both the date and time are as configured in the parameter.
87632	If ReportWorX64 Server generated a report that contained data sources that returned no data, then the user tried to open that Excel sheet on a system with the ReportWorX64 Excel Add-in enabled, errors would appear such as: "The template is in data mode, but the data source cannot be loaded properly because it is missing the coordinates of its data area." This has been resolved.
88108	When parameters were used in ICONICS expressions (such as when used in another parameter), the parameter was not always evaluated correctly, causing the expression to return an incorrect result. This has been resolved. The specific cases that were addressed involved using a datetime parameter in an expression and referencing string parameters via two or more layers (for instance, < <param0>> was used in the expression for <<param1>> which was in turn used in the expression for <<param2>>, and all three were string parameters).</param2></param1></param0>
88119	If a dataset included columns with names that included a colon, those columns would not be populated with data in the final report. Most notably, this issue affected additional fields that could be added to a Hyper Alarm Logger subscription. This has been resolved.

ReportWorX64 Express & Excel Add-In

Ref ID	Description
87033	In the ReportWorX64 ribbon, the "Hide header" checkbox was erroneously labeled "Open lateral data browser". This has been resolved.
87035	If a new column was added to a data source using the "Add Column" function, then the column was configured as a custom column, the column would not download any data. This has been resolved.
87037	Tags that had multiple types (such as DA and HDA) could not be added as a data source in the ReportWorX64 Excel add-in. This error would appear: "The selected data source is not supported by ReportWorX64 add-in and cannot be created." Most notably, this prevented Hyper Historian tags from being added as they were both DA and HDA. This has been resolved.
87168	Sort settings (configured in Edit Data Source > Sort Header) were not being properly applied to HDA data sources when the data was downloaded. This has been resolved.
87194	If a user added a chart (Edit > Chart Settings) to a template but did not fully configure the chart, then saved the template, the template would not be able to load properly when it was opened again.
87932	Charts created by ReportWorX64 (Edit > Chart Settings) would sometimes place all samples for the same day on the same X position. For example, when reporting on hourly historical data, all the hourly samples for one day would be plotted over the same label for that day. This has been resolved.
88018	When configuring a parameter's default value, the form would not allow the user to apply the changes if the value was an expression including a tag. This has been resolved.
88297	Addressed two errors that could cause this error message to appear when editing a previously saved template: "An error occured during the execution of the operation, the error was caused by an internal error of Excel; you should be still able to edit your template, in case of error try to open again the template."

Ref ID	Description
	The first resolved error would occur if the worksheet name contained special characters or spaces.
	The second resolved error involved a parameter cell mapping that was defined internally in an unexpected way. We are not clear what caused this oddity in the definition, but ReportWorX64 now accepts it without errors.
88299	If the ReportWorX64 Excel add-on was enabled, opening certain templates would cause Excel to become unresponsive. This has been resolved. Templates that previously caused this issue will now perform as expected with no freezing.
88301	Editing any data source to reduce the number of headers (such as changing the tag to one with fewer columns or changing a Hyper Historian data source from Advanced to Simple column style) then saving and reopening the file would result in a Microsoft Excel message appearing that said, "We found a problem with some content in ' <file name="">'. Do you want us to try to recover as much as we can? If you trust the source of this workbook, click Yes." This issue has been resolved. (Note, selecting "Yes" to the message would have successfully recovered the template with no data loss.)</file>
88427	When downloading data in the Excel add-in, formulas in the anchor row were not correctly updated if the formula used a range of cells (example: "=SUM(A4:B4)") where the range did not match the range of the data source column above it. This has been resolved.
89119	If an HDA data source was configured using a tag containing a wildcard (*), no data would be retrieved. This has been resolved.
90171	On systems where the culture used by Excel and the culture used by the operating system had different date formats, datetime fields in data sources and parameters may interpret the date incorrectly or use default values. This has been resolved.

ReportWorX64 Server

Ref ID	Description
87254 87249 87443	Resolved an issue that would prevent Send Email redirector commands from sending.
87874	When ReportWorX64 Server generated a report, only the formulas defined in custom columns were calculated when the report was saved. Formulas elsewhere in the workbook would not be calculated. This was not generally noticeable when opening an XLSX report in Excel, as Excel would recalculate the values automatically when the file opened, but XLSX reports opened in "preview mode" or reports in other formats such as HTML or CSV would not show the correctly calculated values. This has been resolved.
88039	Reports executed through the ReportWorX64 Service would not respect the "Date Time Format" or "Double Format" properties configured in the data source. This has been resolved.
88087	Formulas in anchor rows of data sources without headers were not properly expanded when the data source was populated. The formulas would be properly updated when downloading the data directly in Excel, but not when executing the report from ReportWorX64 Server. This has been resolved.
88927	Data sources configured without headers could miscalculate formulas in the anchor row. This has been resolved.

Data Connectivity

BACnet Connector

BACnet Classic

Ref ID	Description
88203	Resolved an issue that could prevent the BACnet point manager from resubscribing to tags at the configured re-
	subscribe COV period. This issue would occur after the device had gone offline and then back online again.

GridWorX (Databases)

GridWorX Server

Ref ID	Description
89936	When inserting rows into a GridWorX Server data source (most often done with a GridWorX Viewer), if the data was being inserted into a table with a primary key that was set to auto-increment, the data would be correctly inserted into the database, but the primary key value could be erroneously shown on the client as a very large number. This has been resolved.

GridWorX Viewer

Ref ID	Description
86640	Using the Export Data command to export into HTML from a GridWorX Viewer or historical AlarmWorX64 Viewer would sometimes return incorrectly formatted HTML tables. This has been resolved.
86784 86782	GridWorX Viewer charts wouldn't render in runtime or would crash if VerticalLabelOffset, VerticalAxisStep, or HorizontalAxisStep were set to a negative value. This has been resolved.
87072	Improved the performance when loading displays with multiple GridWorX Viewer controls containing charts. Certain displays had their load times reduced from 30 seconds to 5 seconds. (Actual loading times may vary depending on the system specifications and the number of charts.)
87770	Users were unable to edit the command configured for a virtual field. When attempting to edit the command, it would look as if the user were adding a brand-new command. This issue affected both the AlarmWorX64 Viewer and GridWorX Viewer and has been resolved for both controls.
88958	The data in GridWorX data sources was not updatable in the Data Explorer. This has been resolved. This issue may have also occurred in a GridWorX Viewer if the viewer's subscription was changed in runtime mode. It was also resolved in this case.

GridWorX Workbench Provider

Ref ID	Description
Kei iD	
86092	Resolved an issue causing the creation of invalid Oracle connection strings, which would cause the Oracle connection
	to fail. Note, Oracle connections that already have this issue must still be corrected, but this can be done simply by
	clicking the Configure Connection button and then OK. Alternatively, the erroneous extra set of quotation marks can
	be removed manually from the connection string in the textbox.
86173	Queries in ODBC connections could have incorrectly thrown an error about invalid parameter markers when colon or
	at symbol (: or @) characters appeared anywhere in a query, even in string literals. This has been resolved.

Mitsubishi Electric Factory Automation (FA) Connector

Ref ID	Description
87675	Resolved an error that would occur when connecting to a Q02U device.
88092	When multiple bit registers are set as tags, only one tag would be updated in clients. This has been resolved.
89824	Resolved an issue causing the Mitsubishi Electric FA Connector to write unexpected values for continuous registers.
90078	Resolved a crash (System.IO.FileLoadException) in the Mitsubishi Electric FA Connector.

Modbus Connector

Ref ID	Description
88490	Enhanced the performance of the Modbus point manager. This performance enhancement will be most noticeable
	with configurations of 1,000 or more points and those with multiple clients connected.

OPC UA

Ref ID	Description
88026	Improved the speed of requesting OPC UA points. This is most noticeable for very large numbers of points (in the
	thousands) all subscribed at once, such as upon startup.
88287	In certain circumstances, OPC UA write requests could become stuck in a queue and never be committed or would be committed much later than expected. This was more likely to happen when many writes were executed at the same time. This issue has been observed in BridgeWorX64 when executing many OPC UA writes at once, but it could have occurred in other OPC UA client applications performing writes.
88711	Resolved an issue that could cause FrameWorX to slow or become unavailable for several seconds when writing to OPC UA servers that may have a slow or limited connection.
90243	OPC UA structures that contained other structures or arrays could cause issues in retrieving members using the
89139	member() syntax. This has been resolved.

Web Services Connector

Ref ID	Description
90312	Resolved an issue preventing children of a web manipulator's @@Data tag from getting data. The @@Data tag itself
90312	would work, but it was impossible to drill down to individual properties of the result.

GENESIS64

Alarms and Notifications

AlarmWorX64 Multimedia

Ref ID	Description
88791	Resolved a crash in certain applications that could occur when the application read a data point that did not start with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data Manager, DataSpy, and AlarmWorX64 Multimedia.

AlarmWorX64 Multimedia - Multimedia Manager

Ref ID	Description
86646	Resolved an Application Download Error (System.Deployment.Application.DeploymentDownloadException) that
	would occur when opening the PubDisplay/Workbench.htm page in Internet Explorer or Edge in IE mode.

AlarmWorX64 Server

Ref ID	Description
87118	When the IgnoreQualityChange INI entry was set to 1, updates with some uncertain quality states were not properly
07110	ignored. This has been resolved.
	Resolved a crash in certain applications that could occur when the application read a data point that did not start
88791	with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data
	Manager, DataSpy, and AlarmWorX64 Multimedia.

AlarmWorX64 Viewer

Ref ID	Description
86640	Using the Export Data command to export into HTML from a GridWorX Viewer or historical AlarmWorX64 Viewer would sometimes return incorrectly formatted HTML tables. This has been resolved.
87098	The AlarmWorX64 Viewer was confusing the contents of the BaseEventType.Time field with other fields that started with the same string, such as BaseEventType.TimeZone. The most obvious result of this issue was that when the AlignTimeZone feature (on the Advanced tab) was enabled for a historical alarm grid, the TimeZone column would show the value of the Time column instead of the proper time zone indicator, however other BaseEventType field names that started with "Time" could have been similarly affected. This has been resolved. Also, only the ActiveTime and Time fields were being converted into the proper time zone. This was resolved as well.
87767	Null values in virtual DateTime fields were being rendered as 0001-01-01 0:00 instead of a blank value. This has been resolved.
87770	Users were unable to edit the command configured for a virtual field. When attempting to edit the command, it would look as if the user were adding a brand-new command. This issue affected both the AlarmWorX64 Viewer and GridWorX Viewer and has been resolved for both controls.
89421	Having a significantly long expression could make the Configure Alarm Filter dialog taller than the available screen space, making it impossible to access parts of the form, including the OK and Cancel buttons. This has been resolved

AlertWorX

Ref ID	Description
86930	Resolved an issue in AlertWorX email or SMS/text alarm subscription alerts where alarm fields were not resolved if there were two or more attributes in the same field.
86931	The Subject and Message fields of AlertWorX Message Templates allowed for browsing an alarm field and inserting a tag, but neither of these options created a usable expression for these fields. This has been resolved - the "Browse tags" and "Add alarm field" links were replaced by an "Expression editor" link that helps the user properly create an expression usable in Message Templates.
87293	Twilio would ignore configured language settings unless the language in question was specified for the DefaultCulture and DefaultUlCulture settings in the appsettings.json file. This has been resolved. Now the desired language only needs to be added to the SupportedCultures array.

Ref ID	Description
87742	AlertWorX email nodes would still send messages from the attached alarm subscriptions even when the "Enable the email node" box was unchecked. This has been resolved.
88814	Resolved an issue that would prevent the alert archiving from running.
	Systems upgraded from an earlier version may fail to log SMS, Voice, or WhatsApp messages. These logs are used for alarm acknowledgement, so users would be unable to acknowledge alarms via these methods. This has been resolved.
89545	When the issue occurred, this message would appear in TraceWorX whenever the system attempted to log one of these messages:
	Cannot log the message details Following exception occured: Invalid column name 'BaseEventTypeSourceName'. Invalid column name 'BaseConditionTypeConditionName'.

Hyper Alarm Logger

Ref ID	Description
86856	A Hyper Alarm Logger configuration that was disabled could not become enabled again until the Hyper Alarm
	Logger service was restarted. This has been resolved. In a redundant scenario, if both servers were taken offline and only the secondary Hyper Alarm Logger was started, it
87239	would not become active. It would only become active if it had already established connection to the primary Hyper Alarm Logger and that connection was lost. This has been resolved.
88599	Resolved a rare exception that could cause the Hyper Alarm Logger to crash immediately after being started some of the time. This exception would appear in TraceWorX as this severe error: "NullReferenceException: Object reference not set to an instance of an object."

AssetWorX

Ref ID	Description
87730	When using AssetWorX Tag Counting mode (used with GENESIS64 Basic SCADA), alarms created directly on AssetWorX properties using the Alarm tab would not function. These alarms worked fine when using Advanced Tag
	Counting mode. This has been resolved.
87975	Writing a value into an AssetWorX equipment property tag whose Real-Time Data tag was configured with "None" as
	the Source Type would cause a crash in AssetWorX. This has been resolved.
89483	Certain references in AssetWorX properties (such as @@self/Property.PointName or {{input}} for write expressions)
89637	did not work when in AssetWorX Tag Counting mode (used by GENESIS64 Basic SCADA). This has been resolved.

Asset Navigator

Ref ID	Description
88682	When there is more than one styling rule that uses an @@self alarm property (such as @@self/.AlarmActiveUnackedMaxSeverity) the styling rules may be incorrectly applied to all assets, not just the ones that match the rule. This has been resolved.
	In situations where there were native features of the Asset Navigator that took action on the same trigger as a command (for example, the "Path Storage" native feature stores the selected asset to a global alias when the path changes, and there may also have been commands configured to execute when the path changes), the command would be triggered first, followed by the native feature of the navigator. This was inconsistent with the desktop (WPF) implementation, which triggered the native features first, followed by any commands. The HTML5 implementation has been changed to be consistent with the desktop (WPF) implementation, so the native features are now triggered first.
88993	However, note that due to the asynchronous nature of some of these actions, there is still no guarantee that one action will finish before the next action is executed. (So, in the example above, the navigator will instruct global aliases to update its value before executing the configured command, but in some cases the global alias may still not have the updated value before the command is executed.) If users are in a situation where one action must complete before another should execute, they are encouraged to use batch commands to perform both actions instead of using native navigator functionality. Batch commands can be configured to wait for one command to complete before proceeding to the second. This recommendation applies to both WPF and HTML5 platforms.

AssetWorX Workbench Provider

Ref ID	Description
83619	CSV or XML files created in version 10.97 (without any rollups applied) no longer cause an error related to "AlmsAcEquipmentClassPropertySourceInput" when being imported.
89669	Resolved an issue that would prevent an AssetWorX configuration export from being imported into another configuration if the export contained asset properties whose Historical Data tab was configured with one of the
	Hyper Historian source types.

Controls

Camera Control

Ref ID	Description
88785	Resolved an issue that could cause the camera control to ignore parameters specified in the video URL. This would most often affect parameters after the first. For example, if the video URL was
	http:// <ip>/mjpg/video.mjpg?camera=1&resolution=320x240, the Resolution parameter may have been ignored. This issue affected both desktop (WPF) and HTML5 camera controls and has been resolved for both platforms.</ip>

EarthWorX Viewer

Ref ID	Description
89402	Resolved a crash that could occur on Chinese systems with the language pack installed. The crash would happen when adding an EarthWorX Viewer to a GraphWorX64 display.
90411	Resolved an issue with the EarthWorX Viewer for WPF WebHMI (which requires Internet Explorer or Edge using IE Compatibility mode) that would cause the map to display incorrectly.

Table Control

Ref ID	Description
86616	The Table control and Fault Viewer would stop displaying timeline, microchart, or other array data when the grouping was changed. This has been resolved.
87312	Automatic refresh of the data could not be configured. The Refresh Rate checkbox (on the General page in the Data section) would not stay selected. Selecting it, selecting OK, then returning to the configuration would reveal that the box was no longer selected. This has been resolved.
87419	When using the Time Shift setting for a pen, samples might not be displayed. The further into the past the pen was shifted, the more samples would be missing. This has been resolved.
88609	The table control's auto-refresh would not function after the data source was changed in runtime, such as if the data source was a global alias and the alias value was updated. This has been resolved.
89534	Displays created in 10.97.0 or earlier would lose the automatic width setting of columns in the Table Control or Fault Viewer after the viewer was edited and saved in the new version. This has been resolved, but only for displays that are newly upgraded. Displays that were already saved in a version that had this issue will have permanently lost their automatic width configuration and will need to be reconfigured.

TrendWorX64 Viewer

Ref ID	Description
87042	Historical data exposed through GridWorX Server (db: tag) would fail to read the sample quality. This has been resolved.
87162	Other than the default shared axis, a shared axis configured with auto scaling would ignore the Auto Scale Margin value. This has been resolved.
87163	The autoscale feature would not pick proper min or max values for a static data source. This has been resolved.
88665	The FitMarginLabels advanced property wasn't respected after the display was saved and reloaded. This has been resolved.
89313	In the TrendWorX64 Viewer configuration dialog on the X Axis tab of the chart object, the Date and Time Format dropdown menus did not scale properly on systems where the Windows display scaling was set to something other than 100%. This has been resolved.
90060	Resolved a rare crash that could occur when the TrendWorX64 Viewer plots a dataset.

Data Explorer

Ref ID	Description
86924	Resolved a crash of the data explorer that could occur when selecting a device that contained a proprietary BACnet object.
87756 87920	Resolved an issue preventing the Data Explorer from displaying data when a Hyper Historian folder was selected. This has been resolved for both desktop (WPF) and HTML5 Data Explorers.
88958	The data in GridWorX data sources was not updatable in the Data Explorer. This has been resolved. This issue may have also occurred in a GridWorX Viewer if the viewer's subscription was changed in runtime mode. It was also resolved in this case.

GENESIS64 Basic SCADA

Ref ID	Description
89483	Certain references in AssetWorX properties (such as @@self/Property.PointName or {{input}} for write expressions) did not work when in AssetWorX Tag Counting mode (used by GENESIS64 Basic SCADA). This has been resolved.
89639	It is now possible to view Hyper Alarm Logger logged data when using AssetWorX Tag Counting mode (used for GENESIS64 Basic SCADA).
	Systems running using AssetWorX Tag Counting mode (used by GENESIS64 Basic SCADA) would not allow browsing for third-party AE servers. This has been resolved.
90491	
	Note that when using AssetWorX Tag Counting mode users are expected to add third-party AE servers to AssetWorX (Assets > Product Configuration > Alarms & Events settings > General settings and Alarm & Events sources).

GraphWorX64

Ref ID	Description
84019	Resolved a slow memory leak in GraphWorX64 and Workbench.
87177	Dragging points from the Assets or Hyper Historian branches of the data browser into GraphWorX64 caused this error: "There is no compatible data to paste." This has been resolved.
87201	Resolved an issue causing some tooltips in the Smart Tile configuration to not be properly localized.
87441	Applying a clone dynamic to an image will cause the cloned image to use an absolute path rather than a relative path that is used in other cases. The use of the absolute path may cause the images to be unavailable on client machines (including WebHMI, MobileHMI, and thick GraphWorX64 clients). This has been resolved.
87643	When connecting a Remote Desktop to a session that already has GraphWorX64 running, the user could experience issues with global aliasing and embedded viewers. Specifically, global aliases inside an embedded viewer that were already set would revert to their default values, and further Set Global Aliases commands would be ignored. These issues have been resolved.
88443	Resolved a crash in GraphWorX64 that could occur when editing the text of labels that used a gradient as the foreground color. This crash was observed on systems configured with Japanese input mode; however, it could occur with other languages or system configurations.
88733	Resolved issues in drawing new pipe controls or resizing existing pipe controls.
89375	Triggering a display to load via the global Load Graphics Display command when another display has not yet finished loading could rarely cause an exception and crash GraphWorX64. When this situation occurred this error message would be displayed: "An attempt was made to transition a task to a final state when it had already completed". This rare issue has been resolved.
89606 89519	For event commands related to dynamics (such as DataUpdated), certain context variables (such as "@@dynamic.name") would return incorrect values. This issue existed in both desktop (WPF) and HTML5 platforms has been resolved in both.
89765	Resolved an issue where the data layer for executing commands would use a different scan rate than the overall display. This could have resulting in unexpected behavior from local variables when using commands, because the commands would be interacting with a different instance of the variable than the one used by the rest of the display.

Web Publishing Wizard

Ref ID	Description
	Resolved an issue causing the Web Publishing Wizard to incorrectly swap the file names of viewer configuration files
90095	when there was more than one of that kind of viewer in the published display. The viewers that could have triggered
	this issue were AlarmWorX64 Viewer, GridWorX Viewer, or TrendWorX64 Viewer.

ScheduleWorX64

Ref ID	Description
86744	Resolved an issue in the ScheduleWorX Point Manager that could have caused the schedules to fail to load in the Schedule Control in certain cases. This issue was more likely to occur when multiple clients or multiple schedule controls were being used simultaneously.

Schedule Control

Ref ID	Description
87780	When using the "Override BACnet Enum Values" functionality of the BACnet Schedule Viewer, the background color
	was not applied with floating point values.

Hyper Historian

Collector

Ref ID	Description
	Resolved a crash in the Hyper Historian Collector service (when running the standalone collector) or the Hyper
86757	Historian Logger service (when running the in-process collector). This crash would only occur when a Hyper Historian
	tag's data type was configured as "UInt8 (8 bit unsigned integer)" with the "Is Array" option enabled.

Hyper Historian Workbench Provider

Ref ID	Description
88800	When using the "Merge Another Historian" feature of Hyper Historian to receive data from a specific device of an IoT Subscriber, data from all devices would be merged, not just the selected device. This has been resolved.
88802	When using the "Merge Another Historian" feature of Hyper Historian to receive data from an IoT Subscriber, ":rawMessages" tags were erroneously being added to the configuration. This has been resolved.
89398	In the unusual case that users made a certain manual update to version 10.95.5 Hyper Historian configuration database at the recommendation of technical support, this database would fail the upgrade process. The specific update was to add a "CacheConfiguration_DatablocksLimiterTreshold" row to the "HH_MasterConfiguration" table. This issue has been resolved. Version 10.95.5 databases that include this row should now upgrade appropriately.

Logger

Ref ID	Description
86635	Re-calculation tasks in the Aggregate Task Manager would not recalculate if the task was configured with a tag filter and used an aggr: tag. This has been resolved but note that all aggregates for the chosen tag will be recalculated, not just the aggregate chosen in the filter.
87237	The "Starting at" time for a logger would always use UTC time, even if configured to use local server time.
87711	Resolved a crash of the Hyper Historian Logger engine that could occur on systems that had one or more calculated tags that referenced a function that referenced another nested function and used at least one parameter as a data point. The crash would occur when the problem calculation was processed (either during normal operation or during a recalculation task).
87738	In very rare cases, an unfinished transaction can be stored into the Hyper Historian log files, and when one of these unfinished transactions is present, Hyper Historian would not start. In this situation, TraceWorX will log the error, "Exception in single thread processing". Hyper Historian will now complete these types of unfinished transactions when it sees them, and the engine will start properly.
87872	Setting the Master Logger Directory and Product Directory to locations on different drives (such as one was on the C drive and the other was the D drive) would result in data not being logged. (These are configured under System Administration > System Settings. Master Logger Directory is on the File Logger tab and Product Directory is on the Options tab.) This has been resolved.

SQL Query Engine

Ref ID	Description
88980	Resolved a memory leak in the Hyper Historian SQL Query Engine.

IoTWorX & Internet of Things

Ref ID	Description
87038	If no publish list had been deployed to the device, then it wasn't possible to browse the remote types and properties
	of alarms, so it was not possible to fully configure an A/E subscription. Having a publish list, even an empty one,
	allowed proper browsing of the types and properties. This has been resolved.
87546	Resolved a memory leak in the ICONICS Internet of Things Subscriber Service (FwxlotSubscriberService) that would
	occur when subscribing to buffered data.
89368	For systems with TLS configured on an MQTT Broker that require a client certificate, connections to MQTT brokers
	may have failed because the client certificate was not being copied to the correct location. This has been resolved.
89959	Expressions and aliases have been removed from the data browser that is shown when adding points to a publish list.
	They are not supported for publish lists, and their inclusion in the data browser was an error.

MQTT

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Ref ID	Description
87433	Added some extra protection to the MQTT subscriber code in an attempt to prevent a rare crash in the subscriber service.
88010	Resolved an issue causing connections (publisher and subscriber) to MQTT Sparkplug brokers to fail when configured to use the Web Sockets protocol.

KPIWorX

Ref ID	Description
87396	In the Table widget, the default format for all numeric values was incorrectly set with two decimal places. This has been resolved. The default format is now correctly set based on the column type so, for example, integers will show no decimal places by default. (This is always changeable in the Table widget settings.)
88984	Resolved an issue in the Trend widget that could prevent changes to pen connection parameters (such as changing a pen from HDA to DA or vice versa) from taking effect.
89471	Resolved a crash of the KPIWorX Trend widget or TrendWorX64 Viewer that would occur after swapping the chart axes, then changing the line type (such as from line to area). For the TrendWorX64 Viewer, the crash would occur if these properties were changed in runtime, such as by using Commanding.

MobileHMI & HTML5 WebHMI

HTML5, iOS, Android

Ref ID	Description
87156	In many controls, such as the AlarmWorX64 Viewer, GridWorX Viewer, Recipe Grid, BridgeWorX64 Viewer, and ReportWorX64 Viewer, runtime filters on Boolean columns did not work (the values would remain unfiltered). This has been resolved.
87524 87521	Resolved various security issues that could occur when using a proxy server. These issues included the security context not being correctly shared between different windows on a client and having to login twice before the login was successful.
89307	Resolved an issue that could sometimes cause global alias values to not persist upon a display load if the alias had been set at machine level.

3D Viewport (Technical Preview)

Ref ID	Description
87341	Resolved an issue that would prevent the 3D viewport from being displayed if it contained textures serialized as nulls. This is not a common scenario, but it could occur with imported 3D objects.
	Also resolved an issue causing slow loading of global colors in a 3D viewport.

AlarmWorX64 Viewer

Ref ID	Description
86921	When using the "grouping" feature, the group names contained extra text. For example, when grouping by severity, the HTML5 group names should have just used the severity number ("100", "200", etc.) but instead they had a prefix of "Priority", like "Priority 100", "Priority 200", etc. This has been resolved.
87724	If an HTML5 AlarmWorX64 or GridWorX Viewer contained an expression in the configuration file name field, the expression would only be evaluated once when the display was loaded. Changes to the expression would not cause a new configuration file to load. This has been resolved.
87908	The HTML5 AlarmWorX64 Viewer could not load a configuration file if the file contained a style with the beep enabled. This issue only occurred on 10.97.1 systems with Critical Fixes Rollup 1 applied and has been resolved.
89025	An AlarmWorX64 Viewer that was hidden by default (or had an ancestor that was hidden by default) would not display all current alarms when made visible. This has been resolved.
89234	In the unlikely event that an AlarmWorX64 Viewer was saved with an empty column filter (as opposed to no column filter at all), the HTML5 AlarmWorX64 Viewer would incorrectly only show rows with a null value in that column. This has been resolved - the AlarmWorX64 Viewer now treats such filters as if there were no filter applied (which is consistent with the desktop/WPF behavior).
89479	Resolved an issue where the HTML5 AlarmWorX64 Viewer incorrectly showed timestamps in the server's time zone instead of the client's.

Asset Navigator

Ref ID	Description
87791	If the Asset Navigator had its font size changed, the magnifier and switch view buttons may not have rendered properly in HTML5. This has been resolved.

Data Explorer

Ref ID	Description
87756	Resolved an issue preventing the Data Explorer from displaying data when a Hyper Historian folder was selected. This has been resolved for both desktop (WPF) and HTML5 Data Explorers.

GraphWorX64

Ref ID	Description
87344	When displaying the description of a dynamic object in a tooltip, line breaks were removed. This has been resolved.

Ref ID	Description
87496	The TimeDate dynamic could show an incorrect local time if the client and server were in different time zones. This has been resolved.
87504	If a Write Value pick action used an IF THEN expression without any ELSE and the IF condition was not true, a default value (such as zero) would be written. This was incorrect behavior and has been corrected. Now if the ELSE clause is missing and the IF is not true, the write will not occur.
87775	Load Display commands within a popup menu can now use a target type of Root or Parent.
87902	Localsim:property tags that included "GwxDynamicGroup.DynamicsList[x]" would not be resolved in HTML5 displays. An example would be the data source of a process point, which would look something like this: "localsim:property:Label1.GwxDynamicGroup.DynamicsList[0].DataSource". This has been resolved.
88097	Selecting an edit field inside an emulated popup (popups using the "Display Dependent" or "Display Dependent - Modal" target types) would prevent any subsequent attempts to focus on any edit field. This has been resolved.
88345	Color dynamics belonging to objects on a layer would stop working after the layer was hidden and then shown if the layer was configured with the ReleaseDataWhenHidden property set to true. This issue could also affect objects in a pivot control after the page was pivoted away and then back. The issue has been resolved.
88588	Smart properties that depend on other smart properties may not work properly in HTML5 based on the order in which the properties were created. This has been resolved.
88877	Resolved an issue that could cause embedded GraphWorX64 Viewers to load blank. This issue would occur if a display loaded in the embedded viewer contained a local alias that was only set with an initial value and then never changed. In this situation, the next display to be loaded into the embedded viewer would not load properly and would appear as blank.
88932	Resolved an intermittent issue that could cause security-restricted layers (layers with HideWhenSecurityDenied is set to True) to not hide when a user logged in who should have the layer denied.
89020	When the Set View command is applied to an embedded GraphWorX64 display, focus now gets set to that embedded display. Previously focus could remain outside, which might prevent keyboard shortcuts defined inside the embedded display from working.
89396	Resolved an issue with StringDataSourceWithTokensAndRuntimeValue smart properties that could prevent those smart properties from resolving.
89962	If there were three or more levels of clone dynamic nesting, the cloning may not have worked properly, leading to clones that did not have data. This has been resolved.
89966	The WindowProperties properties of Load Display pick actions now support smart symbol binding.
90143	A popup menu configured with the menu position as "MousePoint" would appear in the bottom left corner instead of the mouse position. This has been resolved.

GridWorX Viewer

Ref ID	Description
86760	Resolved an issue in HTML5 GridWorX bar charts where negative values weren't drawn as a full bar.
86762	Resolved an issue where the Y-axis title would sometimes not display if there were global aliases or other dynamic content in the title. This issue was more likely to occur if the GridWorX Viewer loaded a configuration file on startup, but this was not required.
86998	An HTML5 GridWorX Viewer configured as a scatter chart could not use dynamic values for the Minimum and Maximum when using a specific X-range. This has been resolved.
87724	If an HTML5 AlarmWorX64 or GridWorX Viewer contained an expression in the configuration file name field, the expression would only be evaluated once when the display was loaded. Changes to the expression would not cause a new configuration file to load. This has been resolved.
87852	An HTML5 GridWorX Viewer chart could not use tags for the minimum or maximum values of the Y axis (configured on the Chart and Axes tab of the chart). Tags in those fields were evaluated as string constants. This has been resolved. Tags in these fields are now evaluated and their value used to configure the Y axis.
90215	Resolved an issue where dynamic values in series and axis titles in HTML5 GridWorX Viewers did not resolve.

ReportWorX64 Viewer

Ref ID	Description
87083	In Executor mode, the dropdown menu for list parameters used the same foreground and background color, making
	it impossible to read the text. This has been resolved.

Schedule Control

Ref ID	Description
87087	In the rare event that a Schedule Control configuration file (SCHX) is missing the FontFamily element, loading the
	configuration into a control would cause the display to crash and reload. This has been resolved.

Table Control

Ref ID	Description
86935	Selecting command hyperlinks in an HTML5 table control would result in the command being executed twice. This has been resolved.
HTML5 Table controls configured to use "alternate styling" for the rows would show a blank white s text in columns configured with a Content Type of Hyperlink. This has been resolved.	

TrendWorX64 Viewer

Ref ID	Description
87288	Resolved an issue that could cause manual pen ranges configured to be 0 to show as +/- 10 in runtime.
87350	When not enough space was available for the x-axis labels, they were not drawn at all. This has been resolved - the labels are now trimmed with an ellipsis at the end, similar to the behavior in the for desktop (WPF) TrendWorX64 Viewer.
87540	Resolved a crash in the HTML5 engine that could occur when a client triggered two or more Edit Pen commands in sequence.
87989	When dragging a Hyper Historian process point into an HTML5 TrendWorX64 Viewer, no history was visible. The pen was treated as a real-time (DA) tag, not historical (HDA). This has been resolved.
89431	The HTML5 TrendWorX64 Viewer did not update the pens when global aliases in the connection parameters were updated.
89471	Resolved a crash of the KPIWorX Trend widget or TrendWorX64 Viewer that would occur after swapping the chart axes, then changing the line type (such as from line to area).
	For the TrendWorX64 Viewer, the crash would occur if these properties were changed in runtime, such as by using Commanding.
89872	Resolved an issue with dynamic values in HTML5 TrendWorX64 Viewer command parameters (such as parameters for the Edit Pen command) that caused the command to fail.
90076	The HTML5 TrendWorX64 Viewer was not translating the name of the aggregate filter when displaying it in the legend. This caused discrepancies between the filter names in desktop (WPF) and HTML5 displays and could also cause interpolative filters to show as "raw data" in the legend. This has been resolved.
90080	When there were multiple Y axes shown in HTML5, selecting a pen in the legend should move the Y axis for that pen closest to the chart. When the axis was not already the closest one, the action failed, resulting in the pen not being selected at all.

Remote Expert

Ref ID	Description
87045	Initiating a Remote Expert call would cause a 404 error on systems with an insecure (HTTP) origin. This issue has been
67045	resolved, but users are highly encouraged to use a secure origin when configuring Remote Expert.

Workbench

Ref ID	Description		
84019	Resolved a slow memory leak in GraphWorX64 and Workbench.		
87814	Resolved a very rare crash of Workbench that could occur when browsing a remote file system. This crash would only occur in the rare situation that the user's Documents folder was not accessible.		
88064	When running as a remote client to a redundant system, Workbench would not be able to connect when the primary FrameWorX Server was offline. This has been resolved - Workbench will now be able to connect to the secondary FrameWorX Server when the primary is offline. Note, if a failure of the active server occurs while Workbench is connected, the user will need to either restart Workbench or use the "Disconnect/Connect" button to connect to the new active server.		
88215	Resolved a crash of Workbench that can occur when a configuration file has a certain line duplicated. This is a rare situation, but if it does occur, Workbench now gracefully handles the situation and no longer crashes.		
88553	Resolved a memory leak in the ICONICS Workbench Configuration Service (IcoConfigService).		
88557	The ChangePassword action of the Configure Security command did not function (the password was not changed). This has been resolved.		
	Resolved an issue preventing Workbench from functioning (the Project Explorer did not load) when this IcoCustomSetup.ini setting was configured:		
90606			
	[Sql]		
	EnableCollectionPolling=0		

Project Reporting

Ref ID	Description
87282	If there were any fault models defined under AnalytiX > FDDWorX > Fault Diagnostic Models, report generation involving Assets (such as the [Assets] All properties report) would fail during the data collection phase with this error: "Cannot get the collection results for Assets - Error: entity is not of expected type: EntityBase". This has been resolved.
88233	The Runtime Use Report would generate with no data. This has been resolved.

Known Issues & Limitations			
Ref ID	Description		
91436	ICONICS Suite cannot connect with a specific clustered configuration of Microsoft SQL Server. This effects configuration databases, SQL Server databases configured in the Databases (GridWorX) provider, and any other place where a Microsoft SQL Server connection string is used. This issue will be addressed in the first Critical Fixes Rollup for 10.97.2.		
91261	WCF communication was disabled by default. This can cause communication issues for some systems that are upgrading, especially those that use Hyper Historian with remote collectors.		
	You should install Critical Fixes Rollup 1 or later to resolve these connectivity issues. See the <i>Version 10.97.2 Upgrade Guide</i> for more information.		
92003	The Mitsubishi Electric FA Connector will crash if Easysocket failed to install during the installation of ICONICS Suite. Users who experience this issue should reinstall ICONICS Suite, which will also reinstall Easysocket.		
	When upgrading from a previous version and choosing to upgrade all active databases during the installation, the Workbench catalog database won't be properly updated if it doesn't have the default name of "IcoSetup." A new database named "IcoSetup" is created instead, and it is made active. This can give the impression that the project was reset.		
	Users with a Workbench catalog database with a custom name should follow these steps when upgrading to 10.97.2:		

- 1. Start the 10.97.2 installation and proceed until you see the screen with **Database Creation Options**.
- Under Database Creation Options, select Advanced Configuration. 2.
- Proceed with the installation until the **Configure local system** dialog appears. 3.
- Select Back. 4
- 5. Under Project Settings, select Use an existing project database, and then select your custom Workbench catalog database.
- 6. Select Next.

91919

- 7. If desired, select Automatically upgrade all configurations. Otherwise, select the databases you want to upgrade.
- 8. Select Configure.
- 9. Proceed with the installation.

Users who have already upgraded to 10.97.2 without following the above steps can recover with these steps:

- 1. On the Start menu, run ICONICS Tools > Configure System.
- 2. Proceed through the wizard until you reach the **Project Settings** screen.
- 3. Under Project Settings, select Use an existing project database, and then select your custom Workbench catalog database.
- Select Next.
- 5. If desired, select Automatically upgrade all configurations. Otherwise, select the databases you want to upgrade.
- Select Configure.

On Windows 7 and Server 2012 systems, the ICONICS services can take an excessively long time starting (10 minutes or more). This can delay services that are needed to allow connections via Remote Desktop or Hyper-V console, which means that it can take more than 10 minutes before the system can be accessed.

79462

The workaround for this issue is to change the startup type for some services to Automatic (Delayed). Use the Services control panel or the Configure Services dialog in Workbench to change any ICONICS service running as Automatic to Automatic (Delayed). The ICONICS services still will be slow to become responsive, but users will be able to remote into the system in the meantime.

If the AssetWorX configuration doesn't meet the following requirements, the sample Energy AnalytiX dashboards will have no data and the EnergyAssetsDimBi table under the any of the three energy data models in AnalytiX-BI will show with an "error" status:

88637

- The Energy AnalytiX extension must be added to the topmost equipment under Assets > Equipment.
- Each piece of equipment that has the Energy AnalytiX extension must be configured with one of the following levels: Enterprise, Area, or Site. Use the General tab to configure the level.

To resolve these errors, ensure your AssetWorX configuration meets the above requirements. See the knowledgebase article, KB-3891, to learn how to refresh the data model.

Ref ID	Description
58862	The Classic BACnet trend buffer is not synchronized correctly (creating a gap in the historical trend) when the Hyper Historian Logger Service has been stopped for a period of time (at least 15 minutes, but it's more likely to happen the longer the logger has been stopped).
92007	The default project that is created by installing version 10.97.2 and selecting Normal Setup is incorrectly configured for secured transport for .NET clients. This does not affect runtime, which is correctly configured to use unsecured transport, but it can cause issues or confusion in configuration. Users exporting or copying this project to another computer might expect to get unsecured transport, but they will get secured transport instead. Also, users who edit these settings under Project Explorer > Platform Services > FrameWorX > Server Settings > FrameWorX Location (.NET Clients) will see a warning about the data in the form not being synchronized. Users who ignored this warning may have accidentally overwritten their active transport security configuration, setting it to secured without realizing it. Users can resolve this inconsistency by going to Project Explorer > Platform Services > FrameWorX > Server
	Settings > FrameWorX Location (.NET Clients) and selecting the message to synchronize the data in the form.
52673	The AlarmWorX64 Multimedia Configurator (Workbench Classic) does not support upgrading AlarmWorX64 Multimedia configurations when they are contained in databases with other ICONICS configurations (such as unified configuration databases). You can only update these configurations by using the installation or the Configure System utility.
90107	After making changes to the ICONICS security configuration, the Hyper Historian SQL Query Engine may return errors. To resolve these errors, restart the ICONICS Hyper Historian RawData Provider Host (HHRawDataProvider) service. If you are using the Query Engine with SQL Server, restart the SQL Server instance as well.
83056	Alarm acknowledgement may not succeed when acknowledging many alarms at once that originate from an IoTWorX device. Users encountering this issue can work around it by acknowledging alarms in smaller batches.
90526	The new highly secure Alpine Linux 3.14 container used as a base for IoTWorX containers has a compatibility issue with EFLOW. Default 10.97.2 IoTWorX containers on EFLOW cannot connect to IoT Edge. You can work around this issue by disabling the functionality necessary for BACnet Network Discovery and the SNMP Explorer. If your project does not need BACnet Network Discovery or the SNMP Explorer, you can disable the problem feature with these steps: 1. Open Workbench where your IoT Project is located. 2. Configure the modules for the devices that use EFLOW: • For a single device, right-click the device, select Configure Modules, and then Click to Configure Modules. • For multiple devices, right-click Devices, and then select Bulk Modules Configuration. 3. Find the IoT Edge Agent (or IcoEdgeAgent) module. 4. Ensure Deploy is selected. 5. Select Advanced Settings. 6. In Container Create Options, look for HostConfig. In that section, remove the following line: "NetworkMode": "Host", 7. Select OK. 8. Repeat for the IoT Publisher (or IoTPublisher) module. 9. Select Deploy. EFLOW users who need BACnet Network Discovery or the SNMP Explorer are advised not to upgrade to version 10.97.2 until this issue is resolved.
63359	Esri maps are currently not supported in HTML5.
91378	If a popup menu is configured on an object inside of a group and the menu position is set to MousePoint, the popup
01010	menu will appear in the wrong location in HTML5 clients.
81025	When using PowerShell cmdlets to add energy calculations to meter tags, the related AssetWorX equipment properties (including their connection to Hyper Historian) are not automatically created. You must create these properties manually or with additional PowerShell cmdlets.
92329	When upgrading from an earlier version to version 10.97.2, the Workbench Report Database does not get properly updated. Configured Tags or Project Document reports that contain security information either fail or are missing information. When you try to run these reports, the following message appears in the task log: "Invalid column name 'Checked'."
	To resolve this issue, create a new Workbench report database:

Ref ID	Description	
	1.	In Workbench, right-click your project and select Configure Application(s) settings.
	2.	In the Available Applications section, scroll to Workbench Report Database, and then select the
		database icon in the first column of that row.
	3.	In the Warning dialog, select Ok .

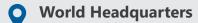


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ICONICS Sales Offices



100 Foxborough Blvd. Foxborough, MA, USA, 02035

- **L** +1 508 543 8600
- us@iconics.com

European Headquarters

Netherlands

- **L** +31 252 228 588
- holland@iconics.com

Australia

- **L** +61 2 9605 1333
- australia@iconics.com

China

- **L** +86 10 8494 2570
- china@iconics.com

Czech Republic

- +420 377 183 420
- czech@iconics.com

France

- **L** +33 4 50 19 11 80

Germany

- **L** +49 2241 16 508 0

India

- +91 265 6700821
- ☑ india@iconics.com

Italy

- +39 010 46 0626

Singapore

- +65 6667 8295

UK

- **L** +44 1384 246 700
- uk@iconics.com



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