ICONICS 10.97

Critical Fixes Rollup 3

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Introduction to Release Notes for 10.97 Critical Fixes Rollup 3

This edition of Release Notes documents the changes made for 10.97 Critical Fixes Rollup 3. It includes both fixes and enhancements.

Note that 10.97 Critical Fixes Rollups are not compatible with other 10.97.x products, such as 10.97.1 or 10.97.2.

"First Available In" Column

Rollups are cumulative. Each rollup contains the fixes and enhancements of the previous rollup, so only the latest rollup is required to bring a system up to date. Rollups can be installed on top of a prior rollup or onto a system with no rollups.

The "First Available In" column notes which rollup a fix or enhancement first appeared in so that users who already have a rollup can determine what items are new for them.

Security Vulnerabilities

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

Common & Platform Services

Ref ID	Description	First Available In
36978	Fixed multiple small localization issues.	Critical Fixes Rollup 1
84143	After a system was upgraded from 10.96 or 10.96.1, certain modules were not able to read INI files. These modules would run using default values for the unreadable INI settings. The affected modules included: AlarmWorX64 Logger, AlarmWorX64 Server, AlarmWorX64 MMX, TrendWorX64 Logger, and Unified Data Manager (except expressions). This issue also caused these modules to not appear in the TraceWorX utility. This has been resolved.	Critical Fixes Rollup 1

Commanding

Ref ID	Description	First Available In
87276	GraphWorX64 local aliases cannot be used directly inside batch commands, so to address this need, batch commands now have a new property called Parameters. This property can be found in the CommandParameters section of a pick action when the Command is set to "Batch". The Parameters property can be used to initialize static variables inside the batch command. These variables can be used to pass in local alias values or other bits of information that might normally not be accessible inside the command. The Parameters property itself must be a string that defines the static variable and its value. The syntax used is similar to that used to set global aliases. An expression can be used to build this string using dynamic values. Below are two examples of the Parameters property: myStatVar=1;anotherVar=5; {{x="myStatVar="+"<<localAlias>>"+";"}} Once a static variable is defined using the Parameters property, it can be used within the batch command using syntax similar to local aliases: <<myStatVar>> These variables cannot be changed inside the batch command. They are set once when the batch command is triggered and will retain that value for the entire run of the command. Note, there is a known issue that the Parameters field appears inside the configuration dialog for the batch steps. It should not appear here and values entered into this field will not be saved. This will be addressed in future versions. For now, users should make sure to use the Parameters field in the GraphWorX64 Dynamics panel under CommandParameters and ignore the Parameters field in the steps configuration dialog.	New for Critical Fixes Rollup 3
85720	Batch commands that included a Call Method command would not execute in HTML5 displays. This has been resolved.	Critical Fixes Rollup 2
86248	Resolved an issue in the resolution of dynamic content (such as global aliases) in the steps of a batch command. The dynamic content was being evaluated before the batch were executed, so changes made to the content (such as changing the value of a global alias) was not seen in later steps. This problem affected desktop (WPF) GraphWorX64 and HTML5 clients.	Critical Fixes Rollup 2

Data Browser

Ref ID	Description	First Available In
87412	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.	New for Critical Fixes Rollup 3
84595	Hyper Alarming tags were not visible in the data browser when using AssetWorX Tag Counting mode (used by GENESIS64 Basic SCADA). This has been resolved.	Critical Fixes Rollup 2

Ref ID	Description	First Available In
85879	Resolved an issue with the sorting order in the data browser when there were more than 5000 items.	Critical Fixes Rollup 2
83457	Resolved an issue that would cause the Data Points tab of the popup data browser to be blank. This would occur when a child copy of the browser window had opened and closed, such as when the Variables button on the Expression tab was used.	Critical Fixes Rollup 1

Expressions

Ref ID	Description	First Available In
86452	The tonumber() and tonumberculture() functions would return zero if the string being converted contained a decimal value. This has been resolved.	Critical Fixes Rollup 2
83630	When referencing values with an enum type (such as a TextAlignment value), the expression engine would return a string in version 10.95.x (for example, "Left" or "Center"). Later versions would instead return an integer. The expression engine now behaves consistent with 10.95.x, returning a string.	Critical Fixes Rollup 1
83766	Resolved an issue in the tonumber() expression that could cause it to fail in specific cases when combined with the toformat() function.	Critical Fixes Rollup 1

FrameWorX

Ref ID	Description	First Available In
87275	OPC UA servers configured under Data Connectivity > OPC UA > OPC UA Network were not browsable if they were configured with a Secondary Endpoint URI. This has been resolved.	New for Critical Fixes Rollup 3
86187	Resolved an issue where FrameWorX would not failover when using reverse networking. This has been resolved, however the MonitorWorX Viewer and redundancy monitoring points (such as mwx:ServerName.Active and .Online) will not show the state of redundant reporting servers. (Reverse networking is only used when the Platform Services Configuration > Basic tab > Reporting section is configured.)	Critical Fixes Rollup 2
82846	If the Server Enabling Point (configured under Platform Services Configuration > Advanced) was set to an exp: tag and that expression contained a tag from Diagnostics > License Information (such as, $info:Overview.LicenseMode), FrameWorX would self-disable as if the Server Enabling Point was bad quality. This has been resolved.	Critical Fixes Rollup 1
83286	If a node went offline and then reconnected, MonitorWorX and rdcy: tags may show the node as still offline, even though the connection has been restored. This has been resolved.	Critical Fixes Rollup 1
83426 83615	Resolved issues that could prevent the GridWorX Viewer, table, data diagram, heatmap, or Sankey controls from retrieving data from a remote FrameWorX server over a reverse networking connection. These issues only occurred in the table, data diagram, heatmap, and Sankey controls if they were configured to use a type of "Datasets." (The GridWorX Viewer always uses a connection type of "datasets".) (Reverse networking is only used when the Platform Services Configuration > Basic tab > Reporting section is configured.)	Critical Fixes Rollup 1

Installation

Ref ID	Description	First Available In
86413	These errors would appear when using Active Directory Services 2019 and choosing an Active Directory user during the installation or with the Configure System utility: "Applying user settings to the system. [Error] The server cannot handle directory requests." This has been resolved.	Critical Fixes Rollup 2
82780	The AssetWorX point manager would crash immediately after being started on systems installed with only the Platform Services and Workbench Server modules (selected during a custom installation). This has been resolved.	Critical Fixes Rollup 1

Language Aliasing

Language Aliasing Workbench Provider

Ref ID	Description	First Available In
86828	The Language Aliasing provider now correctly alerts the user when invalid characters are used in alias names, or the name is longer than the allowed limit of 255 characters.	New for Critical Fixes Rollup 3

Licensing

Ref ID	Description	First Available In
87551	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.	New for Critical Fixes Rollup 3
85982	In previous versions, only PresentValue BACnet tags were only counted as points with a GENESIS64 Advanced license. There was an issue in version 10.97 (both with no Critical Fixes Rollup or with Critical Fixes Rollup 1) where all unique BACnet tags were counted, not just the PresentValue tags. Now, instead of counting all tags or just the PresentValue tags, unique BACnet objects are counted as a point. In most cases, when compared to the BACnet license point counting in version 10.96.2 and earlier, this should result in no change to the number of points a GENESIS64 Advanced system consumes from BACnet usage, but the point count may go up slightly if there were objects where the PresentValue point was not subscribed but other points were. GENESIS64 Basic SCADA point counting has not changed with regards to BACnet.	Critical Fixes Rollup 2
83173	Systems configured with both reserved and non-reserved licenses would double the count of in use reserved licenses, possibly preventing non-reserved clients from obtaining a license even if there were bits free. This has been resolved.	Critical Fixes Rollup 1
83764	Made a slight modification of the way point managers create sessions with licensing, designed to improve performance. Also, license aggregation is now optional and disabled by default. Users may want to enable if they are experiencing licensing-related issues on a system configured with a remote license server and a FrameWorX transport protocol of HTTP or HTTPS without WebSockets. To enable license aggregation, update the <AggregateLicensingSessions> value in the FwxServer.Network.config file. Restart FrameWorX or reboot after making changes to this file.)	Critical Fixes Rollup 1

OPC UA

Ref ID	Description	First Available In
86482	OPC UA points that were once valid would continue working even after the OPC UA Network settings were modified such that the point should not be valid (such as changing the server name so it no longer matches the point or changing the endpoint URI to a nonexistent URI). This was not desired behavior, as it could lead users to think the configuration was correct when it was not. The problem would not be obvious until the FrameWorX Server was restarted, which might be significantly after the change was made, making it difficult to find the cause of the problem. OPC UA points now correctly become invalid as soon as the OPC UA settings for that server are invalidated without requiring a FrameWorX Server restart.	Critical Fixes Rollup 2
83170	Resolved a crash (System.NullReferenceException) that could occur in the unlikely situation that an OPC UA history read operation returns a good result but with null for data and events. The most common place for this crash to have occurred was in GraphWorX64 or web or mobile clients using a TrendWorX64 Viewer, but it could have occurred in other ICONICS applications that consume OPC UA historical data.	Critical Fixes Rollup 1

Ref ID	Description	First Available In
	Note that a historical OPC UA server returning a good result with null for data and events is against the OPC UA specification, so while there is no longer a crash, it will report "Bad – Internal Error" as the status.	
83708	OPC UA historical data might not render when using tag names generated when the OPC UA server's browsing mode was configured as something other than "Always Browse Path". This has been resolved. (Note, the browsing mode can be checked or modified by going to Platform Services > FrameWorX > Network Settings > OPC UA Network, select the tools icon for the desired OPC UA server, then go to Other Settings.)	Critical Fixes Rollup 1

Project Reporting

Ref ID	Description	First Available In
83350	The "[Security] Application Actions" project report did not return any data. This has been resolved.	Critical Fixes Rollup 1

Security

Ref ID	Description	First Available In
87132	When using security in Azure Active Directory mode, user permissions were not being properly applied from nested groups. This has been resolved.	New for Critical Fixes Rollup 3

Tools

Bulk Asset Configurator

Ref ID	Description	First Available In
82750	Resolved a crash ("Object reference not set to an instance of an object") when opening project files (AUTOINST file type) from previous versions in the Bulk Asset Configurator. Now, AUTOINST files of version 10.96 and newer can be opened in the Bulk Asset Configurator. Older AUTOINST files are not compatible but attempting to open them will not crash the utility.	Critical Fixes Rollup 1

AnalytiX

AnalytiX-BI

Ref ID	Description	First Available In
87569	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.	New for Critical Fixes Rollup 3
87811	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.	New for Critical Fixes Rollup 3
84438	Resolved an issue with right joins that could cause the query to return incorrect results.	Critical Fixes Rollup 2
85415	Pivot queries didn't create output columns for values that weren't present in the pivot column. This could cause pivot queries using certain aggregates (like SUM or COUNT) to fail with an object reference error.	Critical Fixes Rollup 2
83096	Resolved an exception (System.ArgumentOutOfRangeException: 'The added or subtracted value results in an un-representable DateTime') that could occur when using a "Hyper Historian Aggregated Data" data flow step with a large processing interval.	Critical Fixes Rollup 1
83736	Resolved an issue preventing the @@count tag of data views from properly recalculating.	Critical Fixes Rollup 1
83965	In data flows, the Asset Property Values step now returns null for bad quality values. Previously it returned an empty string, which could cause issues with following steps if they were not expecting a string value.	Critical Fixes Rollup 1

AnalytiX-BI Workbench Provider

Ref ID	Description	First Available In
83861	Resolved a rare System.InvalidOperationException error that could appear when applying changes on a data flow with at least nine steps.	Critical Fixes Rollup 1

BridgeWorX64 & Workflow

Common

Ref ID	Description	First Available In
83767	Resolved a rare crash of the FrameWorX Service (Opc.Ua.ServiceResultException). This crash involved writing values into an OPC UA server. The crash has only been observed when writing values from within a BridgeWorX64 custom task, but it is possible it could have occurred in other clients.	Critical Fixes Rollup 1
83915	The Real Time Output, Bulk Real Time Output, or Dynamic Tag Writer activities may have failed writing to a remote data source if no transaction had read from or written to that particular data source for a period of time (around 30 minutes or more). This has been resolved.	Critical Fixes Rollup 1
83918	Real Time Output, Bulk Real Time Output, and Dynamic Tag Writer blocks perform a function known as "read verification". This involves waiting a configured amount of time then reading a value from the tag to confirm the write occurred. The results of read verification appear in the output dataset of the activity in the HasReadValue column. Read verification does not occur if "Fast Write Option" is enabled. Resolved an issue causing read verification for these blocks to fail if the OPC server was on a different system and the system time of the BridgeWorX64 server machine was ahead of the OPC server system by a several seconds or more.	Critical Fixes Rollup 1

BridgeWorX64 Server

Ref ID	Description	First Available In
86880	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.	New for Critical Fixes Rollup 3

BridgeWorX64 Viewer

Ref ID	Description	First Available In
83611	The BridgeWorX64 Viewer would incorrectly pass parameter values to the BridgeWorX64 Server when executing transactions if there was more than one parameter. This has been resolved.	Critical Fixes Rollup 1

CFSWorX

General

Ref ID	Description	First Available In
86880	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.	New for Critical Fixes Rollup 3
83259	Resolved an issue with SendGrid AlertIDs that could cause them to use to a random number instead of 1 when rolling over from the maximum AlertID. This was only an issue with the first ID in a new sequence. The second AlertID would properly be set to 2 and continue as expected after that. Most of the time this issue was inconsequential, but if the random number chosen was also in use by an active alert it could cause unpredictable or confusing behavior. For example, a user could respond to a SendGrid notice intending to acknowledge one alarm, but another would be acknowledged instead because they both used the same AlertID.	Critical Fixes Rollup 1

Energy AnalytiX

Ref ID	Description	First Available In
83719	In KPIWorX, when using the pivot feature of the categorical chart the X axis wouldn't be rendered properly. It would aggregate all data into one bar per pivot value instead of splitting it into the desired X axis values or would render no data at all. This has been resolved. The pivot feature of categorical charts was used in some Energy AnalytiX pre-made dashboards, so the issue is resolved in those dashboards as well.	Critical Fixes Rollup 1
83729	Hyper Historian time calculation triggers configured with a specific time zone were treated as if they were using the local time zone. This has been resolved. This issue could also have affected Energy AnalytiX data when the asset had a specific time zone configured.	Critical Fixes Rollup 1

Facility AnalytiX & FDDWorX

Ref ID	Description	First Available In
84232	The SourceFaultActiveTime (local time) was incorrectly calculated from the FaultActiveTime (UTC) when the source time offset was not a whole number (such as when the time offset was 5.5 hours).	Critical Fixes Rollup 2
82562	Very rarely, AssetWorX configuration databases upgraded from 10.95.x would not log new faults. This was caused by a rare error in the database upgrade process. The database upgrade process has been improved to prevent this error. Users who are experiencing this issue rare issue can either re-upgrade the database (restore the database to the 10.95.x version and perform an upgrade again using a version that contains this fix) or contact ICONICS technical support for assistance in repairing the already upgraded database.	Critical Fixes Rollup 1

Ref ID	Description	First Available In
83758	Resolved a rare 900-level message in the FDDWorX Service trace file. The message text was, "InvalidOperationException - Collection was modified, enumeration operation may not execute". This message did not indicate an actual issue, and it will no longer be logged.	Critical Fixes Rollup 1
83763	Disabling an FDDWorX fault rule no longer requires a restart of the service for the change to take effect.	Critical Fixes Rollup 1

Fault Viewer

Ref ID	Description	First Available In
85137	The FaultID field is now usable from the fault viewer and table controls.	Critical Fixes Rollup 2
86167	The Table and Fault Viewer controls now support the Min and Max aggregates for Boolean columns. Previously Boolean columns only supported the Count aggregate.	Critical Fixes Rollup 2
82501	If the asset path specified for the Parent field in the Fault Viewer did not contain a trailing slash (example: ac:Parent instead of ac:Parent/) then the @@field.AssetPath context variable in commands could be missing a slash (example: ac:ParentChild instead of ac:Parent/Child). This has been resolved for all platforms - desktop (WPF), HTML5, and desktop (WPF).	Critical Fixes Rollup 1

ReportWorX64 & ReportWorX64 Express

Common

Ref ID	Description	First Available In
86625	"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.	New for Critical Fixes Rollup 3
87663	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.	New for Critical Fixes Rollup 3
87762	When generating a report using a template created with an older version, this error would appear in the ReportWorX64 TraceWorX log file: "Cannot generate the charts. Invalid Charts settings." The message still appears but is now logged on Debug level instead of error.	New for Critical Fixes Rollup 3
85068	Global aliases would not be resolved in tag names if the name included more than one alias.	Critical Fixes Rollup 2
82864	Non-Hyper Historian historical data configured with an aggregate would ignore the aggregate when downloading data to the worksheet using the Excel add-in or executing a report in ReportWorX64 Server. This has been resolved.	Critical Fixes Rollup 1
83401	Resolved an issue where downloaded historical data for multiple tags may be incorrectly reported in the wrong columns or rows. This issue would occur in the specific situation where one of the tags had a name that matched the beginning of one or more other tags. For example, this set of tags would cause the issue: hh:\Configuration\Signals:RandomFast hh:\Configuration\Signals:Random hh:\Configuration\Signals:RandomSlow The "Random" tag name also begins the "RandomFast" and "RandomSlow" tags, which would trigger this issue.	Critical Fixes Rollup 1
83576	Resolved an issue causing Excel formulas to not be recalculated prior to using a print redirector command. (They were recalculated properly for other redirector commands.)	Critical Fixes Rollup 1
84069	Date/time parameters configured as "Special Day" would resolve to an incorrect date, both when data was downloaded to the sheet and when the sheet was used as a template in the ReportWorX64 Server. This has been resolved.	Critical Fixes Rollup 1

ReportWorX64 Express & Excel Add-In

Ref ID	Description	First Available In
84849	Resolved an issue causing datetime and double formats to be lost after saving, closing, and reopening a template.	Critical Fixes Rollup 2
82925	The ReportWorX64 ribbon would always be grayed out in Excel 2019, even the quick enable button. This has been resolved.	Critical Fixes Rollup 1
83360	Cells mapped to parameter values would lose their formatting (reset to general number) after the data has been cleared. This has been resolved - parameter value cells now retain their formatting.	Critical Fixes Rollup 1
83883	Resolved an issue that could cause templates to be uneditable when they were saved under specific circumstances. One of the circumstances that could cause this problem was if the template was saved after the user had logged out of ICONICS security. Other circumstances that caused this issue may exist but would be rare. Templates saved in these circumstances can now be edited just like any other template. There is no need to resave or recover the problem template in any way, simply edit them with a version of the ReportWorX64 Excel Add-In that contains this fix.	Critical Fixes Rollup 1
83921	Resolved an issue causing HDA data sources without headers to mistakenly have their headers restored when the template was loaded. This could cause issues with adjacent data sources, as HDA data sources that previously had no headers suddenly now took up an extra row, which could conflict with another data source if it was configured just below the HDA data source.	Critical Fixes Rollup 1
84109	Parameters used in HDA data sources (such as for the start or end date) would be lost after the Excel file was closed and reopened. This has been resolved. Note, this issue only affected the ReportWorX64 Excel Add-In. Templates uploaded to ReportWorX64 Server never lost their data sources.	Critical Fixes Rollup 1
84152	If two ReportWorX64 charts were configured on two separate sheets at nearly the same position but with different data, both charts may have incorrectly shown the same dataset. This has been resolved.	Critical Fixes Rollup 1

ReportWorX64 Server

Ref ID	Description	First Available In
87585 87519	Resolved an issue that would prevent Send Email redirector commands from sending.	New for Critical Fixes Rollup 3

Data Connectivity

BACnet Connector

Ref ID	Description	First Available In
84204	Resolved an issue causing BACnet performance counters to not provide any data.	Critical Fixes Rollup 2
84537	Improved the effective poll rate of BACnet Connector.	Critical Fixes Rollup 2
85982	In previous versions, only PresentValue BACnet tags were only counted as points with a GENESIS64 Advanced license. There was an issue in version 10.97 (both with no Critical Fixes Rollup or with Critical Fixes Rollup 1) where all unique BACnet tags were counted, not just the PresentValue tags. Now, instead of counting all tags or just the PresentValue tags, unique BACnet objects are counted as a point. In most cases, when compared to the BACnet license point counting in version 10.96.2 and earlier, this should result in no change to the number of points a GENESIS64 Advanced system consumes from BACnet usage, but the point count may go up slightly if there were objects where the PresentValue point was not subscribed but other points were. GENESIS64 Basic SCADA point counting has not changed with regards to BACnet.	Critical Fixes Rollup 2
83864	Resolved an issue that could cause BACnet alarm descriptions to disappear after the alarm was acknowledged. This happened because the device was sending an update with a blank description and BACnet runtime was using that description. Now BACnet Runtime will use a cached description if the device sends an update with an empty description. In the rare case that users prefer to use the updated description, even if it's empty, they can edit the IcoSetup.ini file and update or add this entry. When this entry is set to 1, an empty description will only be overridden with a cached value when BACnet Runtime is starting up. [BACNET\Compatibility] ProcessEmptyAlarmDescriptions=1	Critical Fixes Rollup 1

BACnet Workbench Provider

Ref ID	Description	First Available In
82670	Changing the name of a BACnet device would append the device ID to the end of the new name. This has been resolved.	Critical Fixes Rollup 1

GridWorX (Databases)

GridWorX Server

Ref ID	Description	First Available In
82536	Previously, if connection string values (such as the password) contained single quotes, double quotes, semicolons or equal signs, the connection string would not be read properly, and the connection would fail. This has been resolved.	Critical Fixes Rollup 1

GridWorX Viewer

Ref ID	Description	First Available In
82503 82504	When a row was edited in the grid, the grid was reset, and the view jumped to the top. This has been resolved for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1
82559	Resolved an issue preventing the GridWorX Viewer from updating data when virtual fields were configured. This fix was for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1

GridWorX Workbench Provider

Ref ID	Description	First Available In
86090	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.	New for Critical Fixes Rollup 3
86171	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.	New for Critical Fixes Rollup 3

Mitsubishi Electric Factory Automation (FA) Connector

Ref ID	Description	First Available In
83055	If the Mitsubishi Electric FA Connector receives multiple subscription requests with different update rates at the same time, the connector would erroneously use the update rate of the last subscription for all subscriptions. This can cause a variety of unintended behavior. In particular, it has been observed to cause a delay in Unified Data Manager expressions when a tag from the connector was used in both the input and output expression. This is because the write expression uses a different update rate than the read expressions, and the write expression's update rate was the last one processed, and the write expression update rate is typically slower than the read expression.	Critical Fixes Rollup 1
83093	Tags from the Mitsubishi Electric FA Connector would stop updating if they were subscribed by two or more clients and one of those clients unsubscribed. The remaining clients would receive no further updates for those tags. This has been resolved.	Critical Fixes Rollup 1

Modbus Connector

Ref ID	Description	First Available In
83124	The Modbus Connector did not support characters with a hex value above 0x7F. This has been resolved.	Critical Fixes Rollup 1

SNMP Connector

Ref ID	Description	First Available In
83635	SNMP tags configured with a syntax of "Array" would only return the first item in the array. This has been resolved.	Critical Fixes Rollup 1
83685	SNMP tags configured with a syntax of "Table Value" may have returned the columns in an incorrect order. This has been resolved.	Critical Fixes Rollup 1
84153	Two clients attempting to read the same SNMP dataset point would cause excessive memory and CPU usage, one or both clients could freeze, and eventually the SNMP point manager would crash. This has been resolved.	Critical Fixes Rollup 1

Takebishi DeviceXPlorer OPC Server

Ref ID	Description	First Available In
81921	If the Takebishi DeviceXPlorer OPC Server (64-bit) version 6.x was installed after ICONICS Suite was installed, ICONICS Suite would be unable to browse for OPC Classic servers. This has been resolved in DeviceXPlorer version 6.3.0 (or later), which is included in this rollup.	

Web Services Connector

Ref ID	Description	First Available In
85900	The token type "Bearer" will now be added by default to web service requests when no token type was returned from the server during authentication. This allows us to communicate with web services that do not return a token type when authenticating. (This situation should be rare, as web services should return a token type during authentication.)	Critical Fixes Rollup 2

Ref ID	Description	First Available In
82200	Web Services can now connect to SOAP services that require the SOAP 1.2 protocol. The Web Services point manager will first attempt to connect to the SOAP service with SOAP 1.1, and if that fails it attempts SOAP 1.2.	Critical Fixes Rollup 1
82237	The Web Services configurator failed to parse the schema correctly for SOAP services which rely upon externally imported WSDL documents. It would throw a System.InvalidOperationException. This has been resolved.	Critical Fixes Rollup 1
82953	Resolved a crash of the Web Services point manager that would occur when browsing methods that return void.	Critical Fixes Rollup 1

Web Services Workbench Provider

Ref ID	Description	First Available In
82296	Refreshing the schema of a Web Service call in Workbench would fail when Workbench was running in Internet Explorer. This has been resolved.	Critical Fixes Rollup 1

GENESIS64

Alarms and Notifications

AlarmWorX64 Logger

Ref ID	Description	First Available In
86953	The AlarmWorX64 Logger may have crashed if the SQL Server for its logging database loses connection frequently (due to intermittent network issues or SQL Server itself restarting). A code change was made in this update to reduce the chances of the crash occurring. In addition to applying this update, users who were experiencing this issue and cannot find or resolve the cause of the repeated SQL Server connection loss are advised to modify their connection string using the steps described in Knowledgebase Article KB-3814 (http://partners.iconics.com/Home/Support/KBArticles.aspx?KBNumber=KB-3814).	New for Critical Fixes Rollup 3
83593	When time zone support was enabled in the AlarmWorX64 Logger, the source local event time would be incorrect for records that were not the original alarm state (including acknowledgment and return to normal records). This has been resolved. Note that this fix will not correct the source local event time for records that have already been logged.	Critical Fixes Rollup 1
84172	Enhanced AlarmWorX64 Logger redundancy performance, especially in cases where two redundant logging databases were used, and one database was offline.	Critical Fixes Rollup 1
84183	If the AlarmWorX64 Logger was configured to log to two redundant databases and archive using SQL Only mode, the archive would not happen. This has been resolved. Note, for archiving to occur the Max Records, Max Archive Records, and Max Archive Tables must be enabled.	Critical Fixes Rollup 1

AlarmWorX64 Multimedia

Ref ID	Description	First Available In
82690	Resolved an issue that could cause some agents in a non-looping action set to fail to receive return-to-normal or acknowledgment notices.	Critical Fixes Rollup 1

AlarmWorX64 Server

Ref ID	Description	First Available In
86898	When a redundant alarm server switches from active to standby, the alarm server now clears all of its cached alarms. This clear does not affect what a client sees. Clearing the cache in this way helps the alarm servers stay in sync. This way, the alarm server that is now standby will not be working with a set of data that may have become inconsistent with the now-active alarm server. This change should help prevent situations where alarms are lost or duplicated after an incident where both alarm servers had become active (which could occur if the network connection between them was offline) but were getting live data that may not have been consistent between the two servers, causing them to become out of sync.	New for Critical Fixes Rollup 3
87116	When the IgnoreQualityChange INI entry was set to 1, updates with some uncertain quality states were not properly ignored. This has been resolved.	New for Critical Fixes Rollup 3
87316	Configuration changes that disable alarms often cause a notification update. When this update occurs the default subcondition, Rate of Change, was used. Now, instead of Rate of Change, a subcondition associated with the alarm type is used instead. (For example, limit alarms will use "lolo".)	New for Critical Fixes Rollup 3
85153	Resolved an issue that could cause alarms to be lost (and regenerated) on a switchover in a redundant alarm server configuration when both servers run hot (default configuration). Previous to this update, the secondary alarm server would stop processing alarms if the primary alarm server was detected as running. After this update, the secondary alarm server only stops processing when the primary alarm server is detected to be in the active state, not just running. Note that this safer switchover operation may increase the amount of time it takes to complete a switchover.	Critical Fixes Rollup 2
82939	Fields accidentally configured with only spaces could cause alarms to not function as desired. Now the AlarmWorX64 Server ignores configuration fields when they only contain spaces.	Critical Fixes Rollup 1

Ref ID	Description	First Available In
83468	Added a new INI setting to reduce incidents where both AlarmWorX64 Servers in a redundant pair have valid but non-identical sets of data. This is known as "split-brain". This can occur when the source data is remote from the alarm servers and each alarm server receive different updates from the source data (perhaps because of network inconsistencies). This new setting sacrifices availability to help prevent split-brain issues from occurring. Contact technical support for information on how to implement this setting if you think you have having split-brain issues.	Critical Fixes Rollup 1
83707	Resolved a rare AlarmWorX64 Server crash that could occur in configurations that used global aliases.	Critical Fixes Rollup 1
83996	Resolved an issue that could cause a redundant alarm server to show fewer alarms than it should on startup if its paired server was not yet active. This issue would most often occur when both alarm servers were started on systems making use of multiple networking cards per server node.	Critical Fixes Rollup 1
84050	Writes to some AlarmWorX64 Server DA tags would not be successfully written to the configuration database, meaning the changes would be lost when the AlarmWorX64 Server was restarted. This has been resolved.	Critical Fixes Rollup 1

AlarmWorX64 Viewer

Ref ID	Description	First Available In
87716	Null values in virtual DateTime fields were being rendered as 0001-01-01 0:00 instead of a blank value. This has been resolved.	New for Critical Fixes Rollup 3
82879	A real-time alarm subscription with a configured time zone would incorrectly shift the time and active time of existing alarms every time a filter was applied. This has been resolved.	Critical Fixes Rollup 1
84277	Made some changes to the default filter in the AlarmWorX64 Viewer to enhance compatibility with more OPC UA servers. Corrected TypeIDs in the filter. The default filter now contains only one where clause (previously it had three clauses). Also prevented a crash that could have occurred when the OPC UA server did not obey the filter and sent us fewer notification fields than expected.	Critical Fixes Rollup 1

Hyper Alarm Server

Ref ID	Description	First Available In
86492	Resolved an issue in the Hyper Alarm Server that could cause alarms to be displayed or logged twice in a redundant system after the primary has failed and then was reconnected.	Critical Fixes Rollup 2
82665	Resolved an issue causing the Hyper Alarm Server to stop working and consume abnormally large resources with configurations larger than a certain size. Tests observed the issue after four hours in a configuration with 100,000 digital alarms triggering and returning to normal every 4 seconds.	Critical Fixes Rollup 1
83231	Previously the Hyper Alarm Server would generate a new active time whenever the alarm transitioned into a new alarm state. For example, an alarm with both a Hi and HiHi state would generate a new active time when transitioning from Hi to HiHi state. Now, the Hyper Alarm Server only generates a new active time if the alarm transitions into the acknowledged & normal state in between the two alarm states. This is more consistent with the way the AlarmWorX64 Server functions.	Critical Fixes Rollup 1

Hyper Alarm Server Workbench Provider

Ref ID	Description	First Available In
87925	The Hyper Alarm Server provider was missing in Workbench after installing 10.97 with a custom installation and only the "Client" modules selected. This has been resolved. The Hyper Alarm Server should appear in Workbench as expected after applying this rollup.	New for Critical Fixes Rollup 3

AssetWorX

Ref ID	Description	First Available In
87715	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.	New for Critical Fixes Rollup 3

Ref ID	Description	First Available In
87973	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.	New for Critical Fixes Rollup 3
82780	The AssetWorX point manager would crash immediately after being started on systems installed with only the Platform Services and Workbench Server modules (selected during a custom installation). This has been resolved.	Critical Fixes Rollup 1
83229	When exporting an AssetWorX configuration to Excel that includes an equipment class that utilizes the Alarms tab of an equipment property, a worksheet would be created with a name that exceeds the Excel limit. Opening the resulting Excel file would show this or a similar error: "We found a problem with some content in 'filename.xlsx'. 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, however the resolution required creating an incompatibility with CSV and XML exports between version 10.97 without a rollup and 10.97 with Critical Fixes Rollup 1 or later. Attempting to import a file from 10.97 without a rollup into 10.97 with Critical Fixes Rollup 1 or later when the export included equipment classes that utilized the Alarms tab will cause this warning message: "Cannot generate the entity at location X at line Y. Unknown entity 'AlmsAcEquipmentClassPropertySourceInput' in the import file. If the file was manually edited it may have been edited incorrectly. If it was not edited, then the entity may have been renamed in the software. Search the ICONICS Knowledgebase for 'AlmsAcEquipmentClassPropertySourceInput' or contact technical support for assistance correcting the file with the new entity name." Users with CSV or XML files created in 10.97 without a rollup can resolve this by editing the CSV or XML file and replacing all instances of "AlmsAcEquipmentClassPropertySourceInput" with "AlmsAcEquipmentClassPropertySInput". Once edited, such files should be able to be imported into 10.97 systems with Critical Fixes Rollup 1 or later.	Critical Fixes Rollup 1
83574	Using an expression containing parameters like @@self or other dynamic variables and tags as the default value in an alarm type and not overriding that default when creating an alarm would result in the expression not being evaluated. This has been resolved.	Critical Fixes Rollup 1

Asset Navigator

Ref ID	Description	First Available In
85512	Resolved an issue that could cause a crash in GraphWorX64 if the display contained an Asset Navigator, there was a default asset for the current user, and that asset contained a "Load Graphics Display" default command.	Critical Fixes Rollup 2
82775	Resolved a crash when configuring the Asset Navigator that would occur when adding a new styling rule on the Columns page and setting either the Foreground or Background to the default value and then applying the changes.	Critical Fixes Rollup 1

AssetWorX Workbench Provider

Ref ID	Description	First Available In
83043	Resolved a Workbench crash that would occur in the AssetWorX configurator when editing the Historical Data Tab of an equipment property inside an equipment class. Specifically, the crash would occur when the source type was "Hyper Historian Tag", the filter type was set to "Swinging Door", and the user selected the X to the right of the Maximum Period or Minimum Period in the Period section.	Critical Fixes Rollup 1
83491	Resolved a crash of Workbench that would happen if the AssetWorX configuration had no configured Alarms & Events sources (such as after creating a new blank configuration with no sample data) and the user tried to configure them under Assets > Product configuration > Alarms & Events settings > General settings and Alarms & Events sources.	Critical Fixes Rollup 1

Controls

Ref ID	Description	First Available In
83426	Resolved issues that could prevent the GridWorX Viewer, table, data diagram, heatmap, or Sankey controls from retrieving data from a remote FrameWorX server over a reverse networking connection. These issues only occurred in the table, data diagram, heatmap, and Sankey controls if they were configured to use a type of "Datasets." (The GridWorX Viewer always uses a connection type of "datasets".) (Reverse networking is only used when the Platform Services Configuration > Basic tab > Reporting section is configured.)	Critical Fixes Rollup 1

Table Control

Ref ID	Description	First Available In
85137	The FaultID field is now usable from the fault viewer and table controls.	Critical Fixes Rollup 2
85825	Dynamic columns, columns with arrays, and columns with content of type DataSource or Icon now export correctly when using the Export Data command.	Critical Fixes Rollup 2
86167	The Table and Fault Viewer controls now support the Min and Max aggregates for Boolean columns. Previously Boolean columns only supported the Count aggregate.	Critical Fixes Rollup 2

TrendWorX64 Viewer

Ref ID	Description	First Available In
85121	Create Pen command would not add bar pens to an existing stacked bar or 100% stacked bar plot. A new plot would be created instead. This has been resolved.	Critical Fixes Rollup 2
83170	Resolved a crash (System.NullReferenceException) that could occur in the unlikely situation that an OPC UA history read operation returns a good result but with null for data and events. The most common place for this crash to have occurred was in GraphWorX64 or web or mobile clients using a TrendWorX64 Viewer, but it could have occurred in other ICONICS applications that consume OPC UA historical data. Note that a historical OPC UA server returning a good result with null for data and events is against the OPC UA specification, so while there is no longer a crash, it will report "Bad – Internal Error" as the status.	Critical Fixes Rollup 1
83791	The AutoScaleMargin setting of the Create Pen command was not being applied. This has been resolved.	Critical Fixes Rollup 1

Data Explorer

Ref ID	Description	First Available In
86917	Resolved a crash of the data explorer that could occur when selecting a device that contained a proprietary BACnet object.	New for Critical Fixes Rollup 3

GraphWorX64

Ref ID	Description	First Available In
84487	Resolved an issue causing certain 3D symbols from older versions to be unusable in GraphWorX64. The symbols could not be added out of the symbol library even though they worked fine in older versions.	Critical Fixes Rollup 2
86248	Resolved an issue in the resolution of dynamic content (such as global aliases) in the steps of a batch command. The dynamic content was being evaluated before the batch were executed, so changes made to the content (such as changing the value of a global alias) was not seen in later steps. This problem affected desktop (WPF) GraphWorX64 and HTML5 clients.	Critical Fixes Rollup 2
82220	If executing the same load display global command twice, the local aliases would not be properly loaded from the second command. They would show with their default values. This has been resolved. Note, the local version of the load display command did not cause this issue, only the global command.	Critical Fixes Rollup 1

Ref ID	Description	First Available In
	This issue was not observed to have any effect on global aliases, but there is a chance it could have affected them. If so, that issue is also resolved.	
82639	Resolved a "Cannot insert duplicate key row in object" error that could occur when importing IFC files with objects that contained the same property but capitalized differently (such as "property" and "Property").	Critical Fixes Rollup 1

3D Viewport

Ref ID	Description	First Available In
82646	Resolved a crash that could occur when moving an object in the 3D viewport when another 3D object is hidden in the same viewport. The crash would only occur when using the arrows within the viewer - the controls in the ribbon did not cause the crash.	Critical Fixes Rollup 1

ScheduleWorX64

Ref ID	Description	First Available In
86510	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.	Critical Fixes Rollup 2

Schedule Control

Ref ID	Description	First Available In
87782	When using the "Override BACnet Enum Values" functionality of the BACnet Schedule Viewer, the background color was not applied with floating point values.	New for Critical Fixes Rollup 3
56985	Resolved an issue causing the user to be able to modify BACnet schedule values in a Schedule Control when using French localization.	Critical Fixes Rollup 1

Hyper Historian

Collector

Ref ID	Description	First Available In
86411	Resolved a crash in the Hyper Historian Collector service (when running the standalone collector) or the Hyper 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.	Critical Fixes Rollup 2

Data Exporter

Ref ID	Description	First Available In
77683	Resolved a rare issue that could cause the Data Exporter to stop exporting to Azure Data Lake (Gen2) after a few minutes of successful exports. When the Exporter began to fail, TraceWorX would log these 800-level error messages: AggregateException : Retry failed after 6 tries. --> TaskCanceledException : A task was canceled. Data Exporter Task task: Failed to initialize storage [Retry failed after 6 tries.]	Critical Fixes Rollup 1

Hyper Historian Workbench Provider

Ref ID	Description	First Available In
84504	Resolved a Workbench crash that could occur when Hyper Historian tags imported invalid ranges from the source tag.	Critical Fixes Rollup 2
82731	Resolved a crash of Workbench when canceling the Dataset Configurator dialog after being informed that the dataset was not of the expected format (usually because it had no timestamp column).	Critical Fixes Rollup 1

Logger

Ref ID	Description	First Available In
86818	The "Starting at" time for a logger would always use UTC time, even if configured to use local server time.	New for Critical Fixes Rollup 3
87477	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).	New for Critical Fixes Rollup 3
87871	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.	New for Critical Fixes Rollup 3
84348	Resolved an issue that would cause MonitorWorX to not report on Hyper Historian redundancy data on systems that were upgraded from version 10.95 or earlier.	Critical Fixes Rollup 2

Performance Calculations

Ref ID	Description	First Available In
83729	Hyper Historian time calculation triggers configured with a specific time zone were treated as if they were using the local time zone. This has been resolved. This issue could also have affected Energy AnalytiX data when the asset had a specific time zone configured.	Critical Fixes Rollup 1

IoTWorX & Internet of Things

Ref ID	Description	First Available In
87432	Added some extra protection to the MQTT subscriber code in an attempt to prevent a rare crash in the subscriber service.	New for Critical Fixes Rollup 3
84411	The default decoder is now used if the IoT Subscriber fails to find the designated decoder.	Critical Fixes Rollup 2
85147	Alarm subscriptions to iot:Connection/ did not allow editing the fields of the subscription. The alarm types would never finish downloading. This has been resolved.	Critical Fixes Rollup 2
86674	Resolved an issue that could cause IoTWorX data to be published incorrectly. This could lead to gaps in published data.	Critical Fixes Rollup 2
82078	The OPC UA PubSub encoder/decoder now supports the format defined in Part 14 of OPC UA specification (version 1.04). (This was documented as a known issue in 10.97.)	Critical Fixes Rollup 1

KPIWorX

Ref ID	Description	First Available In
83449	The map widget would display an incorrect view if the previous dashboard also contained a map widget, and the maps were configured with different sizes and different views. This has been resolved.	Critical Fixes Rollup 1
83493	Exporting KPIWorX data to CSV would not properly adhere to the regional settings of the client. This has been resolved.	Critical Fixes Rollup 1
83719	In KPIWorX, when using the pivot feature of the categorical chart the X axis wouldn't be rendered properly. It would aggregate all data into one bar per pivot value instead of splitting it into the desired X axis values or would render no data at all. This has been resolved. The pivot feature of categorical charts was used in some Energy AnalytiX pre-made dashboards, so the issue is resolved in those dashboards as well.	Critical Fixes Rollup 1
84063	KPIWorX categorical charts using pivoted data were not properly updated when an additional filter was applied. This could lead to samples being partially selected.	Critical Fixes Rollup 1

MobileHMI & HTML5 WebHMI

Ref ID	Description	First Available In
83806 83815	Resolved an issue causing the augmented reality GPS-based location commands to never be executed. This was an issue on the server side, but it would have affected all clients including HTML5 browsers and the MobileHMI app for iOS, Android, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1

HTML5, iOS, Android

Ref ID	Description	First Available In
86997	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.	New for Critical Fixes Rollup 3
87209 87212	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.	New for Critical Fixes Rollup 3
84462	Resolved intermittent rendering issues on the login page (caused by HTTP 502 errors). These issues were depending on timing and did not appear every time the login page was loaded. The issue was most prone to happen when the HTML5 server was behind an application gateway, but it could happen in other setups.	Critical Fixes Rollup 2
84491	The color axis in the data diagram and heatmap controls did not properly show the color scale gradient if the color stops were not sorted by percentage. This has been resolved.	Critical Fixes Rollup 2
85042	Scroll bars using global colors would not appear in specific circumstances (often involving embedded displays). This affected a variety of controls, including table, fault viewer, and several types of navigator control. This has been resolved.	Critical Fixes Rollup 2
85277	The "Welcome to MobileHMI" landing page now has the correct version number.	Critical Fixes Rollup 2
85562	Resolved a rare crash in the AnyGlass engine related to popup menu items.	Critical Fixes Rollup 2
85720	Batch commands that included a Call Method command would not execute in HTML5 displays. This has been resolved.	Critical Fixes Rollup 2
85972	Resolved a rare error that would result in 505 Service Unavailable errors from the HTML5 server.	Critical Fixes Rollup 2
86248	Resolved an issue in the resolution of dynamic content (such as global aliases) in the steps of a batch command. The dynamic content was being evaluated before the batch were executed, so changes made to the content (such as changing the value of a global alias) was not seen in later steps. This problem affected desktop (WPF) GraphWorX64 and HTML5 clients.	Critical Fixes Rollup 2
82313	Resolved a very rare issue that could cause the content to not load in certain HTML5 controls including the GridWorX Viewer, AlarmWorX64 Viewer, Asset Navigator, and the Recipe Grid.	Critical Fixes Rollup 1
82484	Resolved a graphical anomaly that could occur during a long press on iOS devices on a page where a context menu is available.	Critical Fixes Rollup 1
82831	Resolved two issues that could cause text to exceed the boundaries of its column in AlarmWorX64 Viewer and GridWorX Viewers or label in GraphWorX64. One of the resolved issues was specific to Firefox browsers, the other could have happened in any browser.	Critical Fixes Rollup 1
82932	Resolved an issue on touchscreen devices that could result in buttons or controls getting "stuck", as if they were still being touched even when they were not. This would happen when multi-touch was invoked (i.e., processing more than one touch point at a time).	Critical Fixes Rollup 1

AlarmWorX64 Viewer

Ref ID	Description	First Available In
86781	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.	New for Critical Fixes Rollup 3
86976	Resolved an issue that can cause blank cells or blank rows to appear in an HTML5 AlarmWorX64 Viewer where there should be data. This usually occurred after taking some action such as collapsing a group, applying a filter, or sorting.	New for Critical Fixes Rollup 3

Ref ID	Description	First Available In
87499	The HTML5 AlarmWorX64 Viewer now supports subscribing only to certain categories (configured in the subscription point properties).	New for Critical Fixes Rollup 3
85850	Alarm viewer local timestamps would be displayed in the HTML5 server's time zone, not the client's time zone. This has been resolved.	Critical Fixes Rollup 2
85965	Users now have the option to change the behavior of the HTML5 AlarmWorX64 Viewer sorting when selecting multiple columns. The default behavior is unchanged from previous versions and is that selecting multiple columns for sorting will sort on all selected columns. Users now have the option of changing this behavior so that selecting multiple columns for sorting will only sort on the last selected column. (Sorting on only the last column is consistent with the desktop (WPF) AlarmWorX64 Viewer.) To change this behavior, edit the \GENESIS64\WebSites\AnyGlass\Bin\ico.anyglass.parsing.config file and set AwxForceSortBySingle equal to "true".	Critical Fixes Rollup 2
84082	Resolved an issue that would cause displays created in certain older versions to ignore the row formatting configured on the "Condition" tab of an alarm grid. No updates to displays are necessary to fix this issue, simply use them in a version that contains this fix.	Critical Fixes Rollup 1

Asset Navigator

Ref ID	Description	First Available In
87718	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.	New for Critical Fixes Rollup 3

Fault Viewer

Ref ID	Description	First Available In
82501	If the asset path specified for the Parent field in the Fault Viewer did not contain a trailing slash (example: ac:Parent instead of ac:Parent/) then the @@field.AssetPath context variable in commands could be missing a slash (example: ac:ParentChild instead of ac:Parent/Child). This has been resolved for all platforms - desktop (WPF), HTML5, and desktop (WPF).	Critical Fixes Rollup 1

GraphWorX64

Ref ID	Description	First Available In
87250	When displaying the description of a dynamic object in a tooltip, line breaks were removed. This has been resolved.	New for Critical Fixes Rollup 3
87488	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.	New for Critical Fixes Rollup 3
87494	The TimeDate dynamic could show an incorrect local time if the client and server were in different time zones. This has been resolved.	New for Critical Fixes Rollup 3
87903	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.	New for Critical Fixes Rollup 3
84359	Resolved an issue that could cause popup menus to appear in the incorrect place.	Critical Fixes Rollup 2
84791	Displays containing lines with their X1, X2, Y1, or Y2 properties bound to a smart symbol smart property could not be opened in HTML5 clients. This has been resolved.	Critical Fixes Rollup 2
84824	After using a modifier key (such as Ctrl and Shift) to execute a command that opened a new browser tab (such as OpenURL and certain Load Display commands), when the user went back to the original tab it would act like the modifier key was still pressed until it was pressed a second time. This has been resolved.	Critical Fixes Rollup 2
84911	Resolved unexpected behavior in color dynamics. This issue specifically involved color dynamics which do not use a start color, only an end color, were inside a layer that was configured to release data when hidden, and the color dynamic was active before the layer was hidden.	Critical Fixes Rollup 2

Ref ID	Description	First Available In
84935	When executed from inside an embedded display, Load Display commands configured with a target type of "Popup Window" and configured with positioning window properties would incorrectly replace the embedded display, even in browsers that support window positioning. This has been resolved - now these popup Load Display commands properly launch the popup in an additional browser window. In addition, Load Display commands configured as "New Instance" now launch as a popup window. Note that the popups described in this item are only supported on clients that support window positioning (i.e., desktop browsers). Clients such as mobile phones that do not support window positioning cannot launch popup windows this way and will still execute the Load Display command by replacing the embedded window.	Critical Fixes Rollup 2
85114	Using a smart symbol to bind the MinWidth property of an object would cause the HTML5 engine to crash. This has been resolved.	Critical Fixes Rollup 2
85414	Resolved an issue that could cause read-only tags in a writable process point to incorrectly show using the point fail color instead of the disabled color.	Critical Fixes Rollup 2
85543	Resolved an issue with smart binding expressions that could cause pages to fail to load with an "Object reference not set to an instance of an object" error.	Critical Fixes Rollup 2
86071	The localsim:property Visibility tag returned values that were not consistent between HTML5 and desktop (WPF), meaning it was not possible to use this tag to create displays that behaved the same in both platforms. We were unable to reconcile the behavior of this tag, but a the localsim:property tag called "Visible" was added to HTML5. This property previously existed in desktop (WPF), and now it behaves the same in HTML5 as well. Please use the Visible property in displays that are designed to be used in both HTML5 and desktop (WPF) clients.	Critical Fixes Rollup 2
86232	In HTML5 displays, when using a custom write confirmation message on a process point that used a global alias in the data source, the confirmation message could appear blank. This has been resolved.	Critical Fixes Rollup 2
82215	Objects with a rotation dynamic inside of a panel may not have calculated the center of rotation correctly, leading to undesirable behavior when rotated. This has been resolved.	Critical Fixes Rollup 1
82473	When a location dynamic with a slider was applied to an object that had a scroll bar (such as a control or panel), moving the scroll bar also triggered the location dynamic's slide and moved the object. This has been resolved, making the behavior consistent with the desktop (WPF) implementation.	Critical Fixes Rollup 1
82599	Checkboxes configured with the toggle value pick action and linked with a read-only data source would allow the user to check or uncheck them but would not execute the action. This has been resolved and is now consistent with desktop (WPF) - read-only toggle checkboxes do not allow the user to change the checkbox state.	Critical Fixes Rollup 1
82624	Pick action popup menu items configured with a "pick mode" of "radio button" could appear with all items selected instead of the correct item. These items also might not execute the pick action until they were selected twice. This has been resolved.	Critical Fixes Rollup 1
83015	Resolved a positioning issue with the Web Browser control that could cause it to draw on top of other components when in a dynamically sized panel.	Critical Fixes Rollup 1
83158	Resolved a rare issue that could sometimes prevent values resolving in cloned objects that used "valueof" expressions.	Critical Fixes Rollup 1
83268	When executed from inside a popup window, Load Display commands configured with a target type of "Popup Window" and configured with positioning window properties would incorrectly replace the embedded display, even in browsers that support window positioning. This has been resolved - now these popup Load Display commands properly launch the popup in an additional browser window. Note that the popups described in this item are only supported on clients that support window positioning (i.e. desktop browsers). Clients such as mobile phones that do not support window positioning cannot launch popup windows this way and will still execute the Load Display command by replacing the embedded window.	Critical Fixes Rollup 1
84041	Resolved an issue in the embedded GraphWorX64 Viewer preventing scrolling when selecting the arrow buttons or the shaded shaft outside of the scroll box.	Critical Fixes Rollup 1

GridWorX Viewer

Ref ID	Description	First Available In
84571	GridWorX categorical charts were not formatting labels before grouping to categories. This could cause unexpected grouping behavior. This has been resolved - the grouping should now be consistent with desktop (WPF) GridWorX charts.	Critical Fixes Rollup 2
85278	Resolved an issue where the x-axis labels did not use the correct datetime formatting.	Critical Fixes Rollup 2
85754	Aliases in custom Y-axis titles (configured on an individual series) are now properly resolved. Previously, aliases in custom Y-axis titles did not resolve, displaying the original alias characters.	Critical Fixes Rollup 2
86444	Resolved an issue in HTML5 GridWorX bar charts where negative values weren't drawn as a full bar.	Critical Fixes Rollup 2
86449	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.	Critical Fixes Rollup 2
82367	When a cell was activated for editing and the HTML5 GridWorX Viewer was scrolled, the cell would remain active and on the same position on the screen instead of scrolling with the content. The behavior is now consistent with the WPF GridWorX Viewer - the cell will be deactivated for editing when scrolling begins.	Critical Fixes Rollup 1
82418	When a GridWorX Viewer was configured with "Enable Commands on Events" and a Row Click event, it would not be possible to select a cell to edit its value in HTML5 displays. This has been resolved.	Critical Fixes Rollup 1
82503	When a row was edited in the grid, the grid was reset, and the view jumped to the top. This has been resolved for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1
82542	The HTML5 GridWorX Viewer now respects the "Allow Move Columns" setting. Previously columns were always allowed to be reordered regardless of this setting.	Critical Fixes Rollup 1
82559	Resolved an issue preventing the GridWorX Viewer from updating data when virtual fields were configured. This fix was for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1
82837	In the HTML5 GridWorX Viewer, writable columns with a type of integer could not accept NULL values. This has been resolved.	Critical Fixes Rollup 1
82991	If the cursor format property was set with an expression the cursor tooltips would sometimes not be displayed. This has been resolved.	Critical Fixes Rollup 1
83836	Resolved issues that could prevent GridWorX Viewer charts from retrieving data from a remote FrameWorX server over a reverse networking connection. (Reverse networking is only used when the Platform Services Configuration > Basic tab > Reporting section is configured.)	Critical Fixes Rollup 1
84244	The X or Y axis title no longer needs to be surrounded by single quotes to appear.	Critical Fixes Rollup 1

ReportWorX64 Viewer

Ref ID	Description	First Available In
87081	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.	New for Critical Fixes Rollup 3

Schedule Control

Ref ID	Description	First Available In
87018	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.	New for Critical Fixes Rollup 3
84580	Resolved an issue that could cause the Exceptions page of the schedule control to resize when refreshed via a global command.	Critical Fixes Rollup 2
85935	Resolved an issue causing an X to be incorrectly drawn over the "next period" button in the HTML5 Schedule Control.	Critical Fixes Rollup 2
83765	The HTML5 schedule control would not respect the configure font size. This has been resolved.	Critical Fixes Rollup 1

Table Control

Ref ID	Description	First Available In
84999	Resolved an issue causing filtering and sorting options to not appear (or to appear briefly and then disappear) in HTML5 table controls that were using a connection type of "dataset".	Critical Fixes Rollup 2

TrendWorX64 Viewer

Ref ID	Description	First Available In
87251	Previously, the TrendWorX64 Viewer only drew limit lines if the pen's data source was valid. Now the lines are drawn regardless of the data source. This is now consistent with the desktop (WPF) TrendWorX64 Viewer.	New for Critical Fixes Rollup 3
87968	The HTML5 TrendWorX64 Viewer can now display the low and high ranges in the legend.	New for Critical Fixes Rollup 3
85799	Sometimes when selecting the Visibility checkbox in the HTML5 TrendWorX64 Viewer legend, the pen would correctly become visible, but its associated axis range would not be updated. This has been resolved.	Critical Fixes Rollup 2
85810	Resolved undesirable behavior that would occur when adding a pen to an HTML5 TrendWorX64 Viewer via Commanding, if the description field was set to a number. The pen would appear to add fine on the first attempt, but if it was removed and the user attempted to add it a second time, it would fail.	Critical Fixes Rollup 2
85854	The select/unselect all checkbox in the HTML5 TrendWorX64 Viewer legend would fail to select or deselect all pens if the number of pens exceeded the visible pens by a large amount. (The exact threshold was twice the number of visible rows. For example, if there were three visible rows but ten pens, only six pens would be correctly selected or deselected. The remaining four would be unaffected.) This has been resolved.	Critical Fixes Rollup 2
82595	When receiving a Create Pen pick action, the HTML5 TrendWorX64 Viewer would ignore the y-axis foreground color if it was a global color.	Critical Fixes Rollup 1
83001	The x-axis values on an HTML5 TrendWorX64 Viewer would not be displayed if automatic time alignment was enabled and the selected time period was close to one week. This has been resolved.	Critical Fixes Rollup 1
83170	Resolved a crash (System.NullReferenceException) that could occur in the unlikely situation that an OPC UA history read operation returns a good result but with null for data and events. The most common place for this crash to have occurred was in GraphWorX64 or web or mobile clients using a TrendWorX64 Viewer, but it could have occurred in other ICONICS applications that consume OPC UA historical data. Note that a historical OPC UA server returning a good result with null for data and events is against the OPC UA specification, so while there is no longer a crash, it will report "Bad – Internal Error" as the status.	Critical Fixes Rollup 1
83215	The HTML5 TrendWorX64 Viewer now properly respects the Format parameter of the Create Pen command.	Critical Fixes Rollup 1
83390	Resolved an issue causing the scrolling of the summary in the TrendWorX64 Viewer to jump unexpectedly and otherwise not match up as expected with the user's movement.	Critical Fixes Rollup 1
83675	Resolved an issue that could cause the cursor to have an offset from where it was being dragged, or to jump after leaving the chart area.	Critical Fixes Rollup 1

Workbench

Ref ID	Description	First Available In
84525	Workbench could log a user out due to inactivity if the user was interacting with maximized tabs. This happened because mouse movement in maximized tabs wasn't correctly identified as activity. This has been resolved.	Critical Fixes Rollup 2
83019	Resolved an issue where SQL Server connections were not always properly disposed of when running PowerShell cmdlets. This could degrade the performance of Workbench cmdlets and SQL Server, eventually lead to this error: "Repository Exception. Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached."	Critical Fixes Rollup 1

PowerShell

Ref ID	Description	First Available In
85041	The PowerShell cmdlets Set-SecRole and New-SecRole now expose the IsDefault parameter, which allows the user to set whether a group is the default group.	Critical Fixes Rollup 2

Known Issues & Limitations

Ref ID	Description
61479	Network discovery no longer works on operating systems with the latest updates. This is due to Microsoft removing the SMBv1 and Computer Browser services. These services were removed for security reasons, as they were being leveraged in ransomware and other malware attacks. See this Windows support article for more information on why these services were removed: https://docs.microsoft.com/en-us/windows-server/storage/file-server/troubleshoot/smbv1-not-installed-by-default-in-windows There are currently no alternative methods for ICONICS products to use for accurate and safe network discovery. ICONICS recommends that in lieu of automatic network discovery users can add servers manually under Platform Services > FrameWorX > Network Settings > FrameWorX Network or OPC UA Network. For OPC Classic servers, add them under Platform Services > FrameWorX > Server Settings > GenBroker64 Settings. For the channel type (most likely "OPC over TCP/IP"), select the "Configure Nodes" icon in the first column and add your server name or IP address as a node.
84054	After upgrading to this version from 10.97 (with no rollup) or 10.96.2 (with rollup 1 or no rollup), systems licensed with a GENESIS64 Basic SCADA license (zero Advanced Tag Counting license bits, as seen in the License Monitor on the Basic SCADA tab) that are configured with Tag Counting Mode set to Advanced (Platform Services Configuration > License Tab) may see their tags stop working with a status of "Bad – License Disabled" if those tags are coming from external sources (such as an OPC server, BACnet, Modbus, SNMP, etc.) and not configured as AssetWorX tags (AssetWorX point names start with "ac:"). If you think your system may encounter this issue, please contact your ICONICS sales representative or distributor before applying this critical fixes rollup. If you have already applied the rollup, you can temporarily uninstall it from Windows settings before contacting your representative or distributor.
82446	On a Hyper Historian Collector installation, the Configure System tool does not work.
78056	On some systems, the ICONICS License Service may fail to start after a reboot, causing clients such as Workbench and GraphWorX64 to display keys or a license failure message. If this occurs, change the startup type of the service from Automatic to Automatic (Delayed) using the Services control panel. This was observed most often on Windows Server 2016 and Windows Server 2019.
79462	On Windows 7 and Server 2012 systems the ICONICS services can take an excessively long time starting (ten minutes or more). This can delay services necessary to allow connections via Remote Desktop or Hyper-V console, meaning it can take over ten minutes before the system can be accessed. 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 will still be slow to become responsive, but users will be able to remote into the system in the meantime.
58862	The 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 more likely to happen the longer the logger has been stopped).
80636	On IoTWorX edge devices running Linux, if there is more than one NIC present the operating system determines which adapter is used to communicate with a given SNMP device. This means the Network Adapter setting for a network in the SNMP Workbench provider is ignored. If users are having problems exploring the network or communicating with an SNMP device on a system with more than one NIC, check the operating system's network settings.
47824	Installing BizViz after AlarmWorX64 MMX will cause the call-out agent to be unable to play voice when it calls out. This does not happen if BizViz is installed first.
52673	The AlarmWorX64 Multimedia Configurator (Workbench Classic) does not support upgrading AlarmWorX64 Multimedia configurations contained in databases along with other ICONICS configurations (such as unified configuration databases). These configurations can only be upgraded by the installation or the Configure System utility.
83619	Importing a CSV or XML file created in version 10.97 without any rollups applied may cause a warning if the export file included AssetWorX equipment classes that utilize the Alarms tab of an equipment property. The warning is:

Ref ID	Description
	"Cannot generate the entity at location X at line Y. Unknown entity 'AlmsAcEquipmentClassPropertySourceInput' in the import file. If the file was manually edited it may have been edited incorrectly. If it was not edited, then the entity may have been renamed in the software. Search the ICONICS Knowledgebase for 'AlmsAcEquipmentClassPropertySourceInput' or contact technical support for assistance correcting the file with the new entity name." The settings on the Alarms tab of these equipment classes will not be imported. To solve this issue, edit the CSV or XML file with a text editor and replace all instances of "AlmsAcEquipmentClassPropertySourceInput" with "AlmsAcEquipmentClassPropertySInput". Once edited, such files should be able to be imported into 10.97 systems with Critical Fixes Rollup 1 or later. Make sure to run the import again after the file has been repaired to import the alarm settings.
46650	There is a known issue that may cause the TrendWorX32 Logger configurator to become unable to connect to the TrendWorX32 Logger Engine when running GENESIS32 and GENESIS64 together and after uninstalling GENESIS64. A reregistration of the TrendWorX32 Logger will mitigate this issue.
72897	When an internet connection is re-established after an internet disconnection, it may take about 15 minutes to re-create the connection between the EdgeHub module running on the edge device and the IoT Hub running in the cloud. Note that no data should be lost in this situation. Data will be buffered and resent when the connection to the IoT Hub is made.
68302	Loading a KPIWorX dashboard with the "Current Day" preset selected in the Calendar widget will display as a custom range instead of the preset. The range will still be the correct day, however.
63359	Esri maps are currently not supported in HTML5.
55389	There is a known Workbench issue where the user may not be able to replace a tag when a form is maximized. To work around this, the user can drag and drop the tag, manually enter it, or copy and paste it.
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. The user will have to create these properties manually or with additional PowerShell cmdlets.

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