

ICONICS 10.97.1

Resolved Issues | **ICONICS Suite™**

November 2021



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Introduction to Resolved Issues for 10.97.1

This edition of the "Resolved Issues" describes many fixes made in version 10.97.1 since the previous release (10.97). 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 10.97.1, 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 copy was updated in December 2021.

Security Vulnerabilities

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

Common & Platform Services

Commanding

| Ref ID | Description |
|--------|--|
| 85723 | Batch commands that included a Call Method command would not execute in HTML5 displays. This has been resolved. |
| 86246 | 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. |

Data Browser

| Ref ID | Description |
|--------|---|
| 83497 | 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. |
| 84720 | 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. |
| 85880 | Resolved an issue with the sorting order in the data browser when there were more than 5000 items. |

Expressions

| Ref ID | Description |
|--------|---|
| 83580 | Resolved an issue in the tonumber() expression that could cause it to fail in specific cases when combined with the toformat() function. |
| 83670 | 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. |
| 86555 | The tonumber() and tonumberculture() functions would return zero if the string being converted contained a decimal value. This has been resolved. |

FrameWorX

| Ref ID | Description |
|--------|---|
| 82886 | 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. |
| 83130 | Resolved an issue that could cause an active FrameWorX node to periodically show as not active in MonitorWorX Viewer under Redundancy > FrameWorX Network. |
| 83222 | 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. |
| 83446 | 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.) |
| 86188 | 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.) |

Installation

| Ref ID | Description |
|--------|--|
| 81442 | In previous installations, the Facility AnalytiX library was not able to be installed in a "modify" installation operation. The "modify" operation would not ask for the serial number. This has been resolved. |
| 82446 | The Configure System tool now works on a Hyper Historian Collector installation. |
| 82842 | 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. |
| 86321 | 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. |

Licensing

| Ref ID | Description |
|--------|---|
| 83161 | 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. Made a slight modification of the way point managers create sessions with licensing, designed to improve performance. |
| 83524 | 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.) |

MonitorWorX Viewer

| Ref ID | Description |
|--------|--|
| 83021 | Resolved an issue to cause the MonitorWorX Viewer to report the primary node in a node pair as not active when viewed from the primary node. |

OPC UA

| Ref ID | Description |
|--------|--|
| 83187 | 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. |
| 83666 | Improved the behavior when a third party OPC UA AE server does not provide all of the fields requested by a client. (Note, this behavior is against OPC UA specifications and may represent a bug in the third party OPC UA server.) Previously a generic error was logged to TraceWorX. Now the traces are more specific and empty values are filled into the missing fields. |
| 83732 | 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.) |
| 86481 | 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. |

Project Reporting

| Ref ID | Description |
|--------|--|
| 83334 | The "[Security] Application Actions" project report did not return any data. This has been resolved. |

Tools

Bulk Asset Configurator

| Ref ID | Description |
|--------|---|
| 82783 | 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. |

TraceWorX

| Ref ID | Description |
|--------|---|
| 84142 | 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. |

AnalytiX

AnalytiX-BI

| Ref ID | Description |
|--------|---|
| 83097 | Resolved an exception (System.ArgumentOutOfRangeException: 'The added or subtracted value results in an unrepresentable DateTime') that could occur when using a "Hyper Historian Aggregated Data" data flow step with a large processing interval. |
| 83734 | Resolved an issue preventing the @@count tag of data views from properly recalculating. |
| 83963 | 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. |

AnalytiX-BI Workbench Provider

| Ref ID | Description |
|--------|---|
| 83860 | Resolved a rare System.InvalidOperationException error that could appear when applying changes on a data flow with at least nine steps. |

BridgeWorX64 & Workflow

Common

| Ref ID | Description |
|--------|--|
| 83484 | 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. |
| 83709 | 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. |
| 83916 | 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. 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. |

BridgeWorX64 Viewer

| Ref ID | Description |
|--------|--|
| 83989 | 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. |

CFSWorX

General

| Ref ID | Description |
|--------|--|
| 81500 | Resolved an issue preventing CFSWorX workflows from creating NT Event messages. |
| 82119 | The CFSWorX scheduler no longer subscribes to triggers for transactions that are disabled or triggers that have been disabled on the Triggers tab. |
| 84451 | For SendGrid, the key verification for all configurations was incorrectly using the default From email from the default configuration. This has been resolved. The key verification now correctly uses the configuration's own From email. |
| 85077 | Acknowledgment via CFSWorX did not work in the public beta. This has been resolved. (This was only an issue in the public beta, not any prior version.) |

Energy AnalytiX

| Ref ID | Description |
|--------|--|
| 82432 | 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. |
| 83643 | 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. |

Facility AnalytiX & FDDWorX

| Ref ID | Description |
|--------|--|
| 82563 | 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. |
| 83694 | 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. |
| 83726 | Disabling an FDDWorX fault rule no longer requires a restart of the service for the change to take effect. |
| 84020 | Resolved a validation error that would occur when attempting to add the Building Automation > Cooling Tower equipment from the Facility AnalytiX library into AssetWorX. This solution only affects newly created configuration databases. Users with an existing configuration can take steps to correct the configuration. These steps are outlined in knowledgebase article KB-3812. |
| 84563 | 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). |

Fault Viewer

| Ref ID | Description |
|--------|---|
| 82438 | 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.AssetName 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). |
| 85138 | The FaultID field is now usable from the fault viewer and table controls. |

ReportWorX64 & ReportWorX64 Express

| Ref ID | Description |
|--------|--|
| 82866 | 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. 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: |
| 83476 | 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. |
| 83573 | 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.) |

| Ref ID | Description |
|--------|---|
| 84201 | 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. |
| 85117 | Global aliases would not be resolved in tag names if the name included more than one alias. |

ReportWorX64 Express & Excel Add-In

| Ref ID | Description |
|--------|---|
| 82927 | The ReportWorX64 ribbon would always be grayed out in Excel 2019, even the quick enable button. This has been resolved. |
| 83466 | 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. |
| 83877 | 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. |
| 83984 | 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. |
| 84133 | 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. |
| 84146 | Resolved a variety of issues around the Event Filter of a historical alarm data source. The Event Filter should be easier to use and more consistent with the AlarmWorX64 Viewer's filtering functionality. |
| 84187 | 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. |
| 84850 | Resolved an issue causing datetime and double formats to be lost after saving, closing, and reopening a template. |

ReportWorX64 Viewer

| Ref ID | Description |
|--------|---|
| 81982 | When using the "Generated" button in the ReportWorX64 Viewer, the downloaded report now uses the Custom Report Title property of the report, if one is defined. |

Data Connectivity

BACnet Connector

BACnet Classic

| Ref ID | Description |
|----------------|--|
| 84583 84821 | Resolved an issue causing BACnet performance counters to not provide any data. |

BACnet Workbench Provider

| Ref ID | Description |
|--------|---|
| 82671 | Changing the name of a BACnet device would append the device ID to the end of the new name. This has been resolved. |

GridWorX (Databases)

GridWorX Server

| Ref ID | Description |
|--------|--|
| 82537 | 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. |
| | Data could not be retrieved via the query interface from a remote GridWorX or Web Services point manager. This has been resolved. |
| 83555 | Controls such as the table, heatmap, and data diagram use the query interface when configured with a Type of "Query" on the General page. An example remote point name is: \\RemoteServer\db:Northwind.Reviews |

GridWorX Viewer

| Ref ID | Description |
|----------------|---|
| 82460 82468 | 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). |
| 82558 | 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). |
| 83446 83616 | 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.) |

Mitsubishi Electric Factory Automation (FA) Connector

| Ref ID | Description |
|--------|--|
| 83219 | 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. |
| 83238 | 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. |

Modbus Connector

| Ref ID | Description |
|--------|--|
| 83138 | The Modbus Connector did not support characters with a hex value above 0x7F. This has been resolved. |

SNMP Connector

| Ref ID | Description |
|--------|---|
| 83800 | SNMP tags configured with a syntax of "Array" would only return the first item in the array. This has been resolved. |
| 83802 | SNMP tags configured with a syntax of "Table Value" may have returned the columns in an incorrect order. This has been resolved. |
| 83971 | 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. |

Takebishi DeviceXPlorer OPC Server

| Ref ID | Description |
|--------|--|
| 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 UA servers. This has been resolved in DeviceXPlorer version 6.3.0 (or later), which is included in the 10.97.1 ICONICS Suite installation media. |

Web Services Connector

| Ref ID | Description |
|--------|---|
| 81887 | 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. |
| 82201 | 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. |
| 82952 | Resolved a crash of the Web Services point manager that would occur when browsing methods that return void. |

Web Services Workbench Provider

| Ref ID | Description |
|--------|--|
| 82295 | Refreshing the schema of a Web Service call in Workbench would fail when Workbench was running in Internet Explorer. This has been resolved. |

GENESIS64

Alarms and Notifications

AlarmWorX64 Logger

| Ref ID | Description |
|--------|---|
| 82678 | 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. |
| 82756 | 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. |

AlarmWorX64 Multimedia

| Ref ID | Description |
|--------|---|
| 82679 | Resolved an issue that could cause some agents in a non-looping action set to fail to receive return-to-normal or acknowledgment notices. |

AlarmWorX64 Server

| Ref ID | Description |
|--------|---|
| 74399 | The ICONICS AlarmWorX64 Server performance counter "Total # of Alarms Enabled for Active Configuration" was incorrectly reporting the count of all alarms, both enabled and disabled. It should have reported only the count of enabled alarms. This has been resolved. (Note, users who want to see the count of both enabled and disabled alarms should use the "Total # of Alarms Configured for Active Configuration" counter.) |
| 80170 | Prevented an AlarmWorX64 Server crash when loading a null string created by the import of an improperly configured CSV file. The import now occurs as expected. |
| 82638 | 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. |
| 82715 | Alarms with a dynamic base text were incorrectly updating the base text whenever a client connected. They should have updated only when the alarm state changed, the same way related values update. This has been resolved. |
| 83995 | 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. |
| 84032 | 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. |
| | 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). |
| 84184 | 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. |

AlarmWorX64 Viewer

| Ref ID | Description |
|--------|--|
| 82880 | 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. |
| 83465 | 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. |

| Ref ID | Description |
|--------|--|
| 83666 | Improved the behavior when a third party OPC UA AE server does not provide all of the fields requested by a client. (Note, this behavior is against OPC UA specifications and may represent a bug in the third party OPC UA server.) Previously a generic error was logged to TraceWorX. Now the traces are more specific and empty values are filled into the missing fields. |

Hyper Alarm Server

| Ref ID | Description |
|--------|--|
| 82811 | 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. |
| 83242 | 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. |
| 86442 | 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. |

AssetWorX

| Ref ID | Description |
|--------|---|
| 82842 | 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. |
| 83397 | <p>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."</p> <p>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:</p> <p>"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."</p> <p>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.</p> |
| 83599 | 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. |
| 85157 | When using distributed assets (an asset shared from one compute to another via the "Link type" of AssetWorX), if the "GraphWorX64" option was not selected for "Available In" for the remote asset or commands on the remote asset, they would not appear in any client, even if the "Available In" option for that client was selected. So, for example, to appear in MobileHMI displays, a remote asset or its command needed both the "GraphWorX64" and "MobileHMI" options selected for "Available in". There was no way to configure an asset or command to be available in MobileHMI and not GraphWorX64 for remote assets. |
| | This has been resolved. The "GraphWorX64" option now correctly controls only the availability for GraphWorX64. |

Asset Navigator

| Ref ID | Description |
|--------|---|
| 82776 | 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. |

| Ref ID | Description |
|--------|--|
| 85549 | 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. |

AssetWorX Workbench Provider

| Ref ID | Description |
|--------|--|
| 83175 | 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. |
| 83516 | 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. |
| 84020 | Resolved a validation error that would occur when attempting to add the Building Automation > Cooling Tower equipment from the Facility AnalytiX library into AssetWorX. This solution only affects newly created configuration databases. Users with an existing configuration can take steps to correct the configuration. These steps are outlined in knowledgebase article KB-3812. |

Controls

| Ref ID | Description |
|--------|---|
| 83446 | 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.) |

EarthWorX Viewer

| Ref ID | Description |
|--------|--|
| 80281 | Resolved an issue that could cause pushpins to change size when duplicating or moving. |

Table Control

| Ref ID | Description |
|--------|--|
| 85138 | The FaultID field is now usable from the fault viewer and table controls. |
| 86381 | Dynamic columns, columns with arrays, and columns with content of type DataSource or Icon now export correctly when using the Export Data command. |

TrendWorX64 Viewer

| Ref ID | Description |
|--------|---|
| 83187 | 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. |
| 83844 | The AutoScaleMargin setting of the Create Pen command was not being applied. This has been resolved. |
| 84091 | Resolved an issue preventing the cursor from being moved via the arrow keys when the TrendWorX64 Viewer was configured to start in zoom mode. |
| 85122 | 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. |
| 85811 | Resolved a crash that would occur in the rare situation when a pen references a shared axis that does not exist. |

GraphWorX64

| Ref ID | Description |
|--------|---|
| 31309 | Removing the undo and redo options from the quick access toolbar could not be undone. These options could not be added back. To address this, added a menu item for "Reset Default Quick Access Toolbar" to the quick access toolbar drop-down menu. The undo and redo options can be restored to the quick access toolbar by invoking this "Reset" option. |
| 71943 | If either the MajorDivisions or MinorDivisions property of the Scale Control was set to zero, the Scale would reset to its default settings, losing all customizations. This has been resolved. (Note that the Scale Control may still reset if all of these properties are set to zero or None: MajorDivisions, MinorDivisions, HighLimit, LowLimit, Background, but we do not expect this to happen as part of a standard configuration process.) |
| 82204 | 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. 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. |
| 82995 | 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"). |
| 83022 | For data entry process points configured with the Confirm and Comment properties, the user's comment when updating the value was not properly being written to the GenEvent log. The string "::1" was being written instead. This has been resolved. |
| 84932 | 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. |
| 85033 | Resolved an issue that would cause the Time Date data entry picker to open inconsistently on touch screens, sometimes requiring two touches to open. This issue only occurred in WPF WebHMI. It was not an issue in desktop GraphWorX64 or HTML5 WebHMI. |
| 85035 | Improved the handling of rare situations where there is a problem with the Windows clipboard. In the past, if the Windows clipboard caused an error, it could cause GraphWorX64 to hang for up to ten seconds after performing a copy action. Now the maximum wait time after a clipboard error is one second. Note, this will not resolve the underlying issue with Windows clipboard, which is outside the control of GraphWorX64, but it does reduce unnecessary wait time if such an issue should occur. |
| 86246 | 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. |

3D Viewport

| Ref ID | Description |
|--------|--|
| 82647 | 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. |

ScheduleWorX64

Schedule Control

| Ref ID | Description |
|--------|---|
| 82064 | In the desktop (WPF) BACnet Schedule View, if "Override BACnet Enum Values" was enabled, the text configured in the viewer was incorrectly overriding Multistate Value stateText or Binary Value activeText and inactiveText. This has been resolved – the enum text no longer overrides these cases. For users who preferred the previous behavior, and wanted to override the activeText, inactiveText, and stateText, there is a new property of the BACnet Schedule View called "OverrideNonEmptyEnums". This property can be found on the Advanced tab. When set to True, the enum text will override non-empty activeText, inactiveText, and stateText. This setting is supported by both the desktop (WPF) and HTML5 BACnet Schedule Viewers. |
| 82551 | Improved the readability of the Schedule Control when the font size is increased. |

| Ref ID | Description |
|--------|-------------|
| 82584 | |

Hyper Historian

Collector

| Ref ID | Description |
|--------|--|
| 70100 | Resolved an issue preventing the browsing of OPC Classic data on a system that had only the Hyper Historian Collector installed. |

Data Exporter

| Ref ID | Description |
|--------|---|
| 83681 | 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.] |

Hyper Historian Workbench Provider

| Ref ID | Description |
|--------|---|
| 82752 | 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). |
| 85003 | Resolved a Workbench crash that could occur when Hyper Historian tags imported invalid ranges from the source tag. |

Logger

| Ref ID | Description |
|--------|--|
| 85140 | 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. |

Performance Calculations

| Ref ID | Description |
|--------|--|
| 83643 | 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. |

IoTWorX & Internet of Things

| Ref ID | Description |
|--------|---|
| 82742 | 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 and was listed as a resolved issue in 10.97 Critical Fixes Rollup 1 under reference ID 82078. |
| 84440 | The default decoder is now used if the IoT Subscriber fails to find the designated decoder. |
| 85577 | 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. |
| 85969 | Resolved an issue that could cause IoTWorX data to be published incorrectly. This could lead to gaps in published data. |

KPIWorX

| Ref ID | Description |
|--------|---|
| 68302 | Loading a KPIWorX dashboard with the "Current Day" preset selected in the Calendar widget would display as a custom range instead of the preset. This has been resolved. |
| 82432 | <p>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.</p> <p>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.</p> |
| 83463 | 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. |
| 83526 | Exporting KPIWorX data to CSV would not properly adhere to the regional settings of the client. This has been resolved. |
| 84249 | KPIWorX categorical charts using pivoted data were not properly updated when an additional filter was applied. This could lead to samples being partially selected. |

MobileHMI & HTML5 WebHMI

| Ref ID | Description |
|----------------|---|
| 83818 83824 | 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). |

HTML5, iOS, Android

| Ref ID | Description |
|--------|---|
| 82314 | 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. |
| 82440 | Resolved a graphical anomaly that could occur during a long press on iOS devices on a page where a context menu is available. |
| 82830 | 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. |
| 82933 | 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). |
| 83595 | Reloading the content of an embedded GraphWorX64 Viewer in HTML5 displays would cause a 700-level (warning) message like to appear in the AnyGlass Server trace file. The message contained this text: "<path to display> Client command fail. type: unknown_id data". This message was not actually indicative of an issue. It will no longer appear in the traces. |
| 84490 | 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. |
| 84567 | 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. |
| 85043 | 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. |
| 85723 | Batch commands that included a Call Method command would not execute in HTML5 displays. This has been resolved. |
| 85730 | Resolved a rare crash in the AnyGlass engine related to popup menu items. |
| 85973 | Resolved a rare error that would result in 505 Service Unavailable errors from the HTML5 server. |
| 86246 | 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. |

AlarmWorX64 Viewer

| Ref ID | Description |
|--------|--|
| 68299 | AlarmWorX64 Viewers (both grid and list views) sorted by one or more columns sometimes had a blank space at the bottom of the viewer. This has been resolved. |
| 82479 | Resolved a rare crash in the HTML5 engine that would occur when opening displays with an AlarmWorX64 Viewer List View. This crash most often happened if the display was loaded in an embedded GraphWorX64 Viewer, but it could occur in other situations as well. |
| 82708 | Vertical grid lines could disappear when loading an AlarmWorX64 Viewer in an embedded GraphWorX64 Viewer. This has been resolved. |
| 82711 | Resolved a rare issue that could cause specific AWXX files to load the wrong Commanding Name for the control. This issue was related to the order of certain attributes in the configuration file being loaded. |
| 83104 | In the HTML5 AlarmWorX64 Viewer, all context variables in a command were erroneously converted to strings. This could cause some issues, especially for datetime or double values with certain regional settings. This has been resolved - context variables now retain their data type. |
| 84073 | 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. |

| Ref ID | Description |
|--------|--|
| 84074 | Resolved an issue that could cause the Text Translators configured in HTML5 AlarmWorX64 or GridWorX Viewers to fail to work if the displays were created in an older version of GraphWorX64. |
| 85929 | Alarm viewer local timestamps would be displayed in the HTML5 server's time zone, not the client's time zone. This has been resolved. |

Asset Navigator

| Ref ID | Description |
|--------|---|
| 82907 | The HTML5 Asset Navigator could display incorrect dates and numbers if the client display was using a non-English (US) culture. This has been resolved. |
| 83590 | On some browsers, the browser would suggest saved login credentials when the user activated the Asset Navigator's search field, as if the Asset Navigator's search field was part of a login field. This would be most likely to happen when the Asset Navigator was used along with the Security Login control on the same page, but it could happen in other circumstances as well. The Asset Navigator's search field has been modified to discourage the browser from suggesting login credentials for this field. |

Fault Viewer

| Ref ID | Description |
|--------|---|
| 82438 | 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). |

GraphWorX64

| Ref ID | Description |
|--------|---|
| 25399 | Changes to the localsim:property:Document.ToolTipOptions tag in runtime did not take effect. This has been resolved. |
| 80879 | When multiple pick actions with the same mouse execution trigger (such as LeftMouseButton) but different MouseModifierKeys were applied to the same element, executing one of the triggers would invoke all of the pick actions with that same execution trigger, even if they had different modifiers. (For instance, when using two pick actions configured to execute on Ctrl-Left Mouse and Shift-Left Mouse, using Shift-Left Mouse to click on the element would execute both pick actions, not just the one configured with the Shift modifier.) This has been resolved. |
| 80926 | Resolved an issue that could cause labels to be spaced incorrectly in wrap panels. |
| 82152 | The location dynamic could behave unpredictably when the slider was enabled and the object was hidden by default and then later made visible. |
| 82214 | 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. |
| 82474 | 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. |
| 82600 | 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. |
| 82604 | 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. |
| 82625 | 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. |
| 83016 | 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. |
| 83159 | Resolved a rare issue that could sometimes prevent values resolving in cloned objects that used "valueof" expressions. |
| 83337 | Resolved issues causing inconsistent behavior when panning, horizontal scrolling, and the zoom box inside of embedded GraphWorX64 Viewers. |

| Ref ID | Description |
|--------|--|
| 83355 | 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. |
| 83714 | 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. |
| 83840 | Resolved a rendering issue of images with a defined size and stretch set to none. These images are now rendered the same in HTML5 as they are in desktop (WPF). |
| 83856 | The Display Back command was not working in the specific case after the Select Asset command triggered the default command of an asset, which was a Load Display command, which used an absolute URL. This has been resolved. |
| 84220 | When using a Set Visibility command on a checkbox configured to toggle, the first click did not toggle the checkbox or execute the command. Two clicks were required to successfully toggle the visibility. This has been resolved. |
| 84265 | Resolved an issue that could cause popup menus to appear in the incorrect place. |
| 84285 | The OriginalSource localsim:property tag for a GraphWorX64 display or embedded viewer now always contains the file suffix (usually ".gdfx") even if the file suffix was not supplied when loading the display (i.e., the Source property does not contain the suffix). |
| 84307 | Resolved an issue preventing HTML5 buttons and data entry fields from writing to tags that were bad quality. HTML5 displays are now consistent with desktop (WPF) GraphWorX64 in this area. |
| 84350 | Resolved an issue in the embedded GraphWorX64 Viewer preventing scrolling when selecting the arrow buttons or the shaded shaft outside of the scroll box. |
| 84825 | When a smart property was bound to another smart property and both properties were of type color, the binding did not work properly, and the desired color would not appear. This has been resolved. |
| 84936 | 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. |
| 85093 | 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. |
| 85115 | In addition, Load Display commands configured as "New Instance" now launch as a popup window. |
| 85342 | 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. |
| 85727 | Smart binding on the WhileCheckedValue field of a pick action would not update in HTML5 displays. This has been resolved. |
| 85908 | Using a smart symbol to bind the MinWidth property of an object would cause the HTML5 engine to crash. This has been resolved. |
| 85926 | Multiple smart bindings on different fields of a pick action that was using a local command would cause the smart symbol to not work in runtime. This has been resolved. |
| 86345 | 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. |
| | 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. |
| | 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. |
| | 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. |

GridWorX Viewer

| Ref ID | Description |
|--------|--|
| 82138 | Resolved an issue that would unnecessarily disable scroll bars of various controls in some situations. |

| Ref ID | Description |
|--------|--|
| 82416 | 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. |
| 82460 | 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). |
| 82558 | 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). |
| 82838 | In the HTML5 GridWorX Viewer, writable columns with a type of integer could not accept NULL values. This has been resolved. |
| 82992 | If the cursor format property was set with an expression the cursor tooltips would sometimes not be displayed. This has been resolved. |
| 83779 | 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. |
| 83837 | 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.) |
| 84074 | Resolved an issue that could cause the Text Translators configured in HTML5 AlarmWorX64 or GridWorX Viewers to fail to work if the displays were created in an older version of GraphWorX64. |
| 84572 | 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. |
| 85316 | Resolved an issue where the x-axis labels did not use the correct datetime formatting. |
| 85817 | 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. |

Schedule Control

| Ref ID | Description |
|--------|---|
| 82714 | When viewing the properties of an event, the set of values in the "ValueSet Value" dropdown would be incorrectly cached from the previously edited event. This has been resolved. |
| 83485 | The HTML5 schedule control would not respect the configure font size. This has been resolved. |
| 85410 | Resolved an issue that could cause the Exceptions page of the schedule control to resize when refreshed via a global command. |
| 85563 | The date formatting in the HTML5 BACnet Calendar List view and BACnet Schedule Exception view did not always respect the culture settings of the client. This has been resolved. |
| 86076 | Resolved an issue causing an X to be incorrectly drawn over the "next period" button in the HTML5 Schedule Control. |

Table Control

| Ref ID | Description |
|--------|---|
| 81927 | The HTML5 Table control was unintentionally resolving all cell values. This was an inconsistency with the desktop (WPF) Table control and could lead to unintentional behavior. Some unintentional behavior caused by this includes formatting not being applied properly and tag names being displayed as tag values. Note, columns whose values are intended to be resolved (such as a column of tag names) can be configured with the DataSource content type. This column content type will resolve the string into an expression or tag name and display its value in runtime and should work the same in desktop (WPF) and HTML5 tables. |
| 85355 | 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". |

TrendWorX64 Viewer

| Ref ID | Description |
|--------|---|
| 82596 | When receiving a Create Pen pick action, the HTML5 TrendWorX64 Viewer would ignore the y-axis foreground color if it was a global color. |
| 82605 | The HTML5 TrendWorX64 Viewer did not obey the "Summary Y Axis" setting under Chart > Summary. The Summary Y Axis would always be shown. This has been resolved. |
| 83002 | 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. |

| Ref ID | Description |
|--------|---|
| 83187 | 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. |
| 83216 | The HTML5 TrendWorX64 Viewer now properly respects the Format parameter of the Create Pen command. |
| 83676 | 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. |
| 83781 | 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. |
| 85554 | Resolved issues that could cause the cursor to move in unexpected ways when a TrendWorX64 Viewer was in a Viewbox. |
| 86036 | Axis titles were always centered, despite the configured alignment. This has been resolved – the TrendWorX64 Viewer now respects the configured alignment of the axis titles. |
| 86124 | 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. |
| 86127 | 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. |
| 86160 | 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. |

Web Browser Control

| Ref ID | Description |
|--------|--|
| 82308 | In HTML5 displays, the web browser control would still be visible if its parent object was hidden. This has been resolved. |

Workbench

| Ref ID | Description |
|--------|---|
| 55389 | Resolved an issue in Workbench preventing the user from replacing a tag when a form is maximized. This was documented as a known issue in previous versions. |
| 82287 | 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." |
| 84527 | 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. |
| 85516 | In the public beta of 10.97.1, the FrameWorX and OPC UA configurations could not be active at the same time if they were stored in separate databases. This has been resolved. |

Known Issues & Limitations

| Ref ID | Description |
|--------|---|
| 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 upgrading to this version. |
| 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. |
| 77790 | Due to some enhancements in the AnalytiX-BI query engine, some users may need to update their queries. There was a change to the way type conversion is handled in the WHERE clause, and aliases are no longer usable in the WHERE clause. With these changes, the AnalytiX-BI query parser is now more consistent with the SQL Server query parser. For more information on these changes, see the entry in the What's New document for "Expanded Query Functionality". Search for reference ID 77790 or go to Major Enhancements > AnalytiX > AnalytiX-BI > Expanded Query Functionality. |
| 86697 | 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 will be unable to be changed in version 10.97.1. The activities will still continue to work in runtime as designed. They just cannot be changed at this time. If it is necessary to change these parameters, the blocks can be deleted and recreated. When recreating these blocks, make sure to use the parameters inside of an expression. |
| 85776 | This version does not support the ReportWorX 365 Microsoft Office app. Users are encouraged to use ReportWorX64 or ReportWorX Express instead, which offer the same functionality or greater than ReportWorX 365. For systems that do not have ICONICS Suite installed, the ReportWorX Express standalone installation is available on the ICONICS Suite installation media. |
| 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 more likely to happen the longer the logger has been stopped). |
| 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). Please use the standard Workbench to upgrade these configurations. |
| 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: "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. |
| 53638 | 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. |
| 63359 | Esri maps are currently not supported in HTML5. |

Known Issues & Limitations

| Ref ID | Description |
|--------|---|
| 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. |



Founded in 1986, ICONICS is an award-winning global software provider offering real-time visualization, HMI/SCADA, energy management, fault detection, manufacturing intelligence, MES, and a suite of analytics solutions for operational excellence. ICONICS solutions are installed in 70 percent of the Global 500 companies around the world, helping customers to be more profitable, agile and efficient, to improve quality, and to be more sustainable.

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