

ICONICS 10.97.2

Critical Fixes Rollup 1

Resolved Issues | **ICONICS Suite™**

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Contents

Introduction to the Release Notes for 10.97.2 Rollup 1	4
Security Vulnerabilities	4
Common & Platform Services	5
FrameWorX	5
Licensing	5
Redundancy	5
Security	5
AnalytiX	6
AnalytiX-BI	6
BridgeWorX64 & Workflow	7
CFSWorX	8
Facility AnalytiX & FDDWorX	8
ReportWorX64 & ReportWorX64 Express	8
Data Connectivity	10
BACnet Classic	10
BACnet with SC (Beta)	10
GridWorX (Databases)	10
Mitsubishi Electric Factory Automation (FA) Connector	11
SNMP Connector	11
GENESIS64	12
Alarms and Notifications	12
AssetWorX	13
Controls	13
GraphWorX64	14
RecipeWorX	14
ScheduleWorX64	14
Hyper Historian	16
Hyper Historian Workbench Provider	16
Logger	16
IoTWorX & Internet of Things	17

Internet of Things Workbench Provider	17
KPIWorX.....	18
MobileHMI & HTML5 WebHMI	19
HTML5, iOS, Android	19
Workbench	22
Known Issues & Limitations	23

Introduction to the Release Notes for 10.97.2 Rollup 1

This edition of the Release Notes documents the changes that have been made for 10.97.2 Critical Fixes Rollup 1. It includes both fixes and enhancements.

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

Security Vulnerabilities

This document doesn't include information about security vulnerabilities. For information about security, refer to iconics.com/cert.

Common & Platform Services

Ref ID	Description
91163 91805	Various enhancements to improve the security of the software.
91415	The Platform Services Configuration dialog now prompts for a reboot when changing settings on the License tab.
91436	Resolved an issue with connecting to clustered Microsoft SQL Server instances.
91842 92026	Updated various third-party components to the latest version for enhanced performance and security.

FrameWorX

Ref ID	Description
90482	<p>When using a reporting server, resolved an issue where the reporting server went offline because tag handles weren't properly deleted. This led to warnings in the FrameWorX Server TraceWorX log and a memory leak in the FrameWorX Server.</p> <p>Note: A reporting server is configured in the Platform Services Configuration dialog > Basic tab > Reporting section.</p>
91261	<p>Due to issues upgrading existing systems and a compatibility issue with Hyper Historian remote collectors, this rollout will automatically enable WCF communication.</p> <p>Previously, WCF communication was disabled by default and needed to be enabled manually by the user after upgrading.</p>
91280	Resolved a rare FrameWorX Server crash that could occur when browsing for tags under Diagnostics > Control and Diagnostics > Services > Platform Services.
91810	Under specific circumstances, values written to tags in the FrameWorX OPC DA server (ICONICS.FwxServerOPC.1) were lost. This happened when a client to the OPC DA server and a client to FrameWorX itself each wrote a value to the same point within the update period of the OPC DA client. Points with slower update rates were more likely to see this issue.

Licensing

Ref ID	Description
90941	<p>For the purposes of licensing, point names with different capitalization were incorrectly counted as different points. This means the same physical tag could have been counted several times. Now capitalization is correctly ignored for the purposes of counting licensing points.</p>

Redundancy

Ref ID	Description
91527	If a Redundancy Node Pair was defined under Platform Services > Server Settings > GenBroker64 Settings, this alias node would appear in the data browser but could not be expanded. This has been resolved; you can now expand the alias node.

Security

Ref ID	Description
91673	<p>With point managers running out of process or as unique services (such as AssetWorX or Unified Data Manager), resolved an issue where the security context was not properly being passed for dynamic points, such as global aliases or the "valueof:" keyword. This resulted in users getting security access denied when trying to read or write to such points while security was enabled.</p> <p>For example, if an AssetWorX property was configured as a real-time point with a tag of <#Alias#> and <#Alias#> resolved to a valid point that the user was allowed to read, the user was able to see the value if they used <#Alias#> directly in a process point, but not if they used the AssetWorX property in a process point. The AssetWorX property would report access denied.</p>

AnalytiX

AnalytiX-BI

Ref ID	Description
90562	<p>Resolved an issue where queries that were upgraded from version 10.97 or earlier produced different automatic column names than they did in their original version.</p> <p>For example, in version 10.97 the query, "SELECT ISNULL(Categories.CategoryID, 0)", produced a column named "CategoryID." However, after upgrading to version 10.97.1, it produced a column name of "expr000."</p> <p>Note: Queries originally created new in 10.97.1 or later will produce the new style column names. The intent was that queries from previous versions should not have their behavior changed when being upgraded, even if the same query created new might produce a different result due to enhanced query logic in the new version.</p>
90565	
90508	
90547	
90611	
90518	
91012	
90949	Resolved a rare crash in the BI server that occurred when executing queries involving joins.
91151	Resolved an issue where comparisons using the = or != operators between a GUID column and NULL would fail.
91450	<p>To preserve backwards compatibility with configurations older than 10.97.1, the "Models" and "Dataflows" keywords (as in "bi:Models" or "bi:Dataflows") are now case insensitive.</p> <p>In addition, spaces are trimmed from the beginning and end of individual parts of a tag. So, for example, these tags are now considered the same:</p> <pre>bi:Models/folder:Model.Table bi:Models/ folder : Model . Table</pre> <p>In the unlikely event that a configuration relies on having spaces at the front or end of a tag part (for example, if the configuration has two different folders, "Folder" with no space and "Folder " with a space at the end), the trimming functionality can be turned off by setting a Point Manager parameter.</p> <p>To set this parameter for the first time:</p> <ol style="list-style-type: none"> 1. Edit the FwxServer.PointManagers.config file, located by default in C:\Program Files\CONICS\GENESIS64\Components. 2. Search for BiPointManager, and in the <Params> section under it, add these lines: <pre><Param> <Name>DisableCompatibilityPointNameParsing</Name> <Value xsi:type="xsd:boolean">true</Value> </Param></pre> 3. Save and close the file. <p>Once the configuration file has been edited, you can change this value by modifying the DisableCompatibilityPointNameParsing parameter in the Platform Services Configuration dialog > Point Managers tab > BI Server Point Manager.</p>
91662	In the data flow Dimensions > Asset Properties step, if more than one asset path was added to the Data Sources list, resolved an issue where only the most recently added path was used in the data flow. Asset properties for all listed paths now appear in this step of the data flow.

AnalytiX-BI Workbench Provider

Ref ID	Description
91579	When refreshing the schema of a table, columns were incorrectly recreated, which caused the relationships between tables to be lost. This issue only happened with tables that were created from an import package or file.

BridgeWorX64 & Workflow

Common

Ref ID	Description
92052	If the findoutputrowindex, findoutputrow, or findoutputcell functions were used on another activity's output dataset and that dataset contained a column of type StatusCode, the function failed. When this occurred, TraceWorX and the XML trace of the transaction recorded the following error message: "Error when Filtering Activity '[Activity name]' Output rows: Type of value has a mismatch with column type. Couldn't store <0> in Quality Column. Expected type is StatusCode.".

BridgeWorX64 Server

Ref ID	Description
	When BridgeWorX64 uses any real-time (DA) tag (including not only the Real Time Input, Real Time Output, Bulk Real Time Input, and Bulk Real Time Output activities, but any activity that uses a real-time tag in an expression), it subscribes to the tag and keeps it subscribed for a period of time in case it is needed again. This is referred to as the expiration time. If the real-time tag was not read or written to again before the expiration time had expired, the subscription was released. Whenever the real-time tag was used, the expiration timer would be reset, keeping the subscription alive for longer.
91442	Previously, this expiration time was fixed at 30 minutes. Now, it can be modified by editing the IcoSetup64.ini file (located in C:\ProgramData\ICONICS) by adding or modifying this INI entry, which is the expiration time in seconds: [BWx64\Configuration] DaPointExpirationSec=1800 The minimum allowed value is 60 (one minute). The ICONICS BridgeWorX64 service needs to be restarted before changes to the INI file take effect.
	In the Teams IM activity, the Subject field is no longer mandatory. Also, if the user supplies a subject when Group Update is cleared, the subject is ignored.
91616	Previously, sending one-to-one updates was not possible because Subject was incorrectly labeled as a required field and Teams does not allow one-to-one updates to have a subject. These changes resolve that issue. Note: Clearing Group Update results in a one-to-one update.
91849	For the Teams IM activity, IM addresses now can be separated using either line breaks or semicolons. Previously, a semicolon was the only accepted delimiter.
91916	In the Historical Input block, if the Aggregate field was set to anything other than "None" and the Point Name field contained an expression, the historical data would not be read. This block is available for both Workflow and BridgeWorX64, and the issue was resolved for both.
91995	Occasionally, the TraceWorX logs for the "BridgeWorX64 Scheduling Service" would log several error-level messages on startup that did not actually indicate a problem. The product worked as designed, despite these errors. These error messages now only appear in the event of actual errors. The two misleading error messages addressed by this change are: <ul style="list-style-type: none"> "Error creating FwxClient to net.tcp://localhost:8778/ with app.config" "InvalidOperationException : Could not find endpoint element with name 'NetTcp_IAsyncServer' and contract 'Ico.Fwx.Communication.Core.IAsyncServer' in the ServiceModel client configuration section. This might be because no configuration file was found for your application, or because no endpoint element matching this name could be found in the client element."

Workflow

Ref ID	Description
91916	In the Historical Input block, if the Aggregate field was set to anything other than "None" and the Point Name field contained an expression, the historical data would not be read.

Ref ID	Description
	This block is available for both Workflow and BridgeWorX64, and the issue was resolved for both.

CFSWorX

General

Ref ID	Description
90802	Resolved an issue preventing CFSWorX workflow configurations from subscribing to GenEvent. Attempting to subscribe to GenEvent in the past would result in the following message in TraceWorX: "Cannot retrieve the source value. There isn't any field with the event type name and the field name specified." In the Teams IM activity, the Subject field is no longer mandatory. Also, if the user supplies a subject when Group Update is cleared, the subject is ignored.
91616	Previously, sending one-to-one updates was not possible because Subject was incorrectly labeled as a required field and Teams does not allow one-to-one updates to have a subject. These changes resolve that issue. Note: Clearing Group Update results in a one-to-one update.
91728	For the Teams IM activity, IM addresses now can be separated using either line breaks or semicolons. Previously, a semicolon was the only accepted delimiter. This only affects Teams IM activities that are not getting worker addresses from a Fixed Lookup or Worker Lookup block.
91965	For AssetWorX alarms with a source of AlarmWorX64 Server, resolved an issue where CFSWorX could not detect changes in the state. These alarms could trigger a CFSWorX workflow, but changes in the alarm state (such as returning to normal or being acknowledged) could not control or stop the workflow.
91988	Occasionally, the TraceWorX logs for the "CFSWorX Workflows Scheduling Service" would log several error-level messages on startup that did not actually indicate a problem. The product worked as designed, despite these errors. These error messages now only appear in the event of actual errors. The two misleading error messages addressed by this change are: <ul style="list-style-type: none"> "Error creating FwxClient to net.tcp://localhost:8778/ with app.config" "InvalidOperationException : Could not find endpoint element with name 'NetTcp_IAsyncServer' and contract 'Ico.Fwx.Communication.Core.IAsyncServer' in the ServiceModel client configuration section. This might be because no configuration file was found for your application, or because no endpoint element matching this name could be found in the client element."

Facility AnalytiX & FDDWorX

General

Ref ID	Description
90598	Resolved an issue that caused the SourceFaultDeactiveTime of a fault instance to show null if changes were made to the fault while the FDDWorX service was stopped. (The FaultDeactiveTime would change as expected.) Note: Deleting a fault while the service is stopped may still result in a null SourceFaultDeactiveTime.
90749	Resolved an issue where the FaultIncidentsAdvancedRecovery INI entry, which is used to continue faults using "trueforduration" after a server restart, did not function as of version 10.97.1.

ReportWorX64 & ReportWorX64 Express

ReportWorX64 Express & Excel Add-In

Ref ID	Description
90674	In the version of Workbench that appears when selecting the Configure Data Sources button on the ReportWorX64 Excel add-on ribbon, resolved an issue where the forms for editing items in the Assets and Mitsubishi Electric FA would not load. The tab would appear, but the contents would be blank.
91295	If the user selected Download Data , added a new sheet, and then selected Clear Data , an exception was shown. If the user attempted to download data again, the configured data source was removed.

AnalytiX - ReportWorX64 & ReportWorX64 Express

Ref ID	Description
	Note: The exception had a title of "COMException" and text of "Exception from HRESULT: 0x800401A8."
91298	Resolved an issue detecting how many rows were available for adding a new data source. This could have prevented the user from adding a new data source in the rows above an existing data source, even if there was enough room.

ReportWorX64 Server

Ref ID	Description
91780	Resolved an issue where reports that used a Generated Reports tag (visible under Reports in the data browser) caused the ReportWorX64 service to hang when attempting to run the report. When this problem occurred, the report became stuck in the queue and never finished.

Data Connectivity

BACnet Classic

BACnet Workbench Provider

Ref ID	Description
90657	When using Workbench to set the presentValue of an object, the Priority drop-down now properly defaults to the priority set for the Default Property option in the Devices dialog > General tab > Runtime Settings section. Previously, it always defaulted to 8, regardless of the Default Priority setting.
90813	On the Channel level, the Trend Read Polling Period label incorrectly read "Milliseconds." It now correctly reads "Seconds."
90990	Resolved an issue where the default priority set in the Channel Settings dialog was not used when modifying the present value of objects under that channel.
91327	Resolved an issue where editing a port in the BACnet Classic provider causes an "object reference not set to an instance of an object" error to be thrown when the system's NIC card did not provide the MAC address attribute.

BACnet with SC (Beta)

Ref ID	Description
89426	Resolved various crashes and other undesirable or incorrect behaviors with the BACnet with SC connector.
89427	
90056	
90057	
90308	
89603	When only the primary hub was specified for the SC port, a connection wasn't reestablished after the network communication went down and then returned.
89622	After the primary hub went offline, which caused a switch to the failover hub, there was no switch back to the primary hub when it came back online.

BACnet with SC Workbench Provider

Ref ID	Description
90728	Contextual help links in the BACnet with SC dialogs now correctly point to the BACnet with SC Help instead of the BACnet Classic Help.
91015	When viewing the properties of a device object property reference for a BACnet Trend Log object, users can now view and modify the linked property.

GridWorX (Databases)

GridWorX Viewer

Ref ID	Description
91133	Resolved an issue where exporting data to XML when cells contained "<" or ">" characters created an invalid XML file. Those characters are now properly escaped. This applies to both the AlarmWorX64 Viewer and the GridWorX Viewer for both the desktop (WPF) and HTML5 platforms.
91528	Resolved an issue where a row or cell that previously met the criteria for any visual style but was modified to no longer match, didn't return to the default style.
91551	Previously, CSV exports of data from the AlarmWorX64, GridWorX, and TrendWorX64 Viewers didn't show Unicode data when opened in Excel. This has been resolved for both the desktop (WPF) and the HTML5 platforms.
91548	
91848	
91847	
92008	

GridWorX Workbench Provider

Ref ID	Description
91127	When testing the command for a data source, the command was executed immediately when the test dialog was opened. However, if the data source included parameters that were required to execute the command, it failed and an error message was displayed. This has been resolved—commands with parameters no longer execute when the test dialog is opened.
91944	When configuring commands on the Configure SELECT Command dialog, if the current query previewed at the bottom of the pane was too long, the fields on the Selected Filter Node Configuration panel were obscured and unusable. This issue was resolved by adjusting the sizing rules of the page to ensure that the fields are always visible.

Mitsubishi Electric Factory Automation (FA) Connector

Ref ID	Description
91453	When using an iQ-R, iQ-F, or iQ-L device with registers whose addresses are outside the valid range, an exception occurred that crashed the Mitsubishi Electric FA point manager. This happened more frequently with large amounts of registers (~100,000 or more). Resolved an issue where the "use simulator" option was erroneously selected for all device nodes when upgrading from a previous version to 10.97.2, regardless of the pre-upgrade state.
91850	Note: This solution prevents newly upgraded configurations from having the Use Simulator option applied to all devices, but it does not change configurations that already have been upgraded to 10.97.2. You will need to manually repair these configurations by clearing the Use Simulator check box where appropriate. Alternatively, you can restore the configuration database to its pre-upgraded state and upgrade again, using a version that contains this fix.

SNMP Connector

Ref ID	Description
91480	Previously, you could configure traps to include trap variables. These variables appeared as alarm attributes named Attribute 1-10, which could be read in an alarm client. Now, in addition to Attributes 1-10, alarm clients can subscribe to additional fields named "Attribute N_OID" (where N is the attribute number, for example, "Attribute 3_OID"). These fields include the full OID of the trap variable.

SNMP Workbench Provider

Ref ID	Description
91111	Previously, importing MIB files with duplicate entries caused an error and the MIB import process failed, importing no entries. Now, the MIB import handles this error condition by ignoring the subsequent duplicated entries. This allows the MIB import to complete.

GENESIS64

Alarms and Notifications

AlarmWorX64 Multimedia

Ref ID	Description
90921	Resolved an issue that occurred when using multiple email agents for more than one SMTP service. AlarmWorX64 Multimedia's agent chose the wrong TLS level to establish a connection to the SMTP server, causing a connection failure due to a mismatch of this security protocol. Previously, AlertWorX and AlarmWorX64 Multimedia could only send Gmail emails by configuring OAuth 2.0. Now, Gmail users can choose between OAuth 2.0 and an app password.
91129	By default, the system is set up to allow app password functionality. To switch to OAuth 2.0, edit gmail.config.xml (located in ProgramData\ICONICS), find the OAuthEnabled tag, and change the value from false to true. Note: To learn how to set up OAuth 2.0 or an app password, refer to Knowledgebase article KB-3900 or Working with Gmail SMTP .

AlarmWorX64 Viewer

Ref ID	Description
90635	When making changes to an alarm viewer's subscription (such as when changing a global alias used in the subscription or configuration file), sometimes individual alarms would fail to be displayed due to a timing issue. This issue was resolved on both the desktop (WPF) and the HTML5 platforms.
90763	Resolved an issue that could cause a display to freeze or hang when downloading many historical alarms.
91125	Resolved an issue that caused the counts shown in the Details bar to be incorrect when applying or changing a filter. This issue has been resolved for both the desktop (WPF) and HTML5 platforms.
91133	Resolved an issue where exporting data to XML when cells contained "<" or ">" characters created an invalid XML file. Those characters are now properly escaped. This applies to both the AlarmWorX64 Viewer and the GridWorX Viewer for both the desktop (WPF) and HTML5 platforms.
91551	Previously, CSV exports of data from the AlarmWorX64, GridWorX, and TrendWorX64 Viewers didn't show Unicode data when opened in Excel. This has been resolved for both the desktop (WPF) and the HTML5 platforms.

AlertWorX

Ref ID	Description
90823	When archiving was configured, the ALERT_RestEmailExpandedLog table was not being archived. This has been resolved. Previously, AlertWorX and AlarmWorX64 Multimedia could only send Gmail emails by configuring OAuth 2.0. Now, Gmail users can choose between OAuth 2.0 and an app password.
91129	By default, the system is set up to allow app password functionality. To switch to OAuth 2.0, edit gmail.config.xml (located in ProgramData\ICONICS), find the OAuthEnabled tag, and change the value from false to true. Note: To learn how to set up OAuth 2.0 or an app password, refer to Knowledgebase article KB-3900 or Working with Gmail SMTP .
91339	Resolved a crash of AlertGSender.exe that could occur if the Gmail.config.xml file was corrupted or missing.

Hyper Alarm Server Workbench Provider

Ref ID	Description
91613	Resolved an issue that caused excessive and unnecessary error-level messages in TraceWorX for Hyper Alarm Server when adding a new field to an Alarm Type. The message text was, "Object reference not set to an instance of an object." These messages did not indicate an issue, and they will no longer appear.

AssetWorX

Ref ID	Description
90969	<p>As of version 10.97.2, if the SQL Server certificate is self-signed, connection strings now need to specify "trustservercertificate=true" or the connection will fail. In version 10.97.2, this change was not automatically added to the connection strings for all database connections. This has been resolved in this rollup. Applying the rollup will upgrade your active configuration databases and add the appropriate string.</p> <p>After applying the rollup, all connection strings will be updated with "trustservercertificate=true", including:</p> <ul style="list-style-type: none"> AlertWorX custom logging database Assets (AssetWorX) cache data store AlarmWorX64 Logger custom logging database Bridging (BridgeWorX64) custom logging database Connected Field Service (CFSWorX) custom logging database Hyper Historian Data Exporter storage of type "SQL/Azure SQL" Reporting (ReportWorX64) custom logging database TrendWorX64 Logger custom logging database
91066	
90968	
91065	
91067	
90959	
90970	
91877	

Controls

EarthWorX Viewer

Ref ID	Description
90495	EarthWorX displays using an Esri base map now include the "Powered by Esri" label and list the map data sources.

Table Control

Ref ID	Description
90695	Resolved an issue where, in rare cases, changes to a dataset that should have affected the styling rules did not affect them. These changes were applied once a user interacted with the table.
90825	Resolved a crash in the table control's configuration dialog that occurred when invalid data was entered in the Data Source field. The crash would occur after closing the dialog, and then reopening it.
90998	Resolved an issue where the "Update" option on the Columns tab (accessible by selecting the small square to the right of the Grid Columns list) would duplicate columns that already existed. "Update" will no longer add columns that have already been added.

TrendWorX64 Viewer

Ref ID	Description
90827	Added a new advanced property called AlternativeRangeAxisSize to the chart object. This property acts like RangeAxisSize, which sets the area that is available for the range axis information to be drawn. However, it applies to the side of the viewer where ranges that are configured with Alternative Placement are located (usually the right side).
90820	
90971	The box zoom feature was unreliable. Many times, when the user attempted to do a box zoom, the chart would start a drag action instead. This has been resolved.
90976	<p>Added a new option for displaying the cursor value. On the chart object's Cursors tab under Sample Selection, there is a new option named Interpolate. When Interpolate is selected, the cursor tooltip displays a value interpolated from the previous and next sample. (This option is unrelated to the interpolative aggregate and can be used regardless of the pen aggregate.) The Interpolate option only works for area or line plots.</p> <p>Note: This option will not be localized. It will appear in English, regardless of the system language. In future versions, this option will be properly localized.</p>
91740	
91075	A new property, ReadTimeRangeWhenZoomed, was added in version 10.97.2. This property was intended to default to true, which would have produced behavior consistent with previous versions. However, it erroneously defaulted to false. The default has been updated to true in this version.

Ref ID	Description
	When ReadTimeRangeWhenZoomed is set to true, updates to the time range data source (configured on the chart's Range tab) are applied even when the viewer is zoomed in. When set to false, updates to the time range data source are paused while zoomed. The viewer remembers the last update from the time range data source and applies it when the viewer's zoom level is reset to the default.
91303	Resolved a memory leak in the TrendWorX64 Viewer when displaying dataset data. The leak was most visible with large amounts of data.
91551	Previously, CSV exports of data from the AlarmWorX64, GridWorX, and TrendWorX64 Viewers didn't show Unicode data when opened in Excel. This has been resolved for both the desktop (WPF) and the HTML5 platforms.
91684	Resolved a rare issue that caused a pen to show as disconnected when that pen contained both global and local aliases.
91689	If a third-party OPC UA server returned historical data in batches, resolved an issue where the TrendWorX64 Viewer only displayed data from the first batch. This caused the TrendWorX64 Viewer to only be partially populated with data.

GraphWorX64

Ref ID	Description
90667 90642	Previously, layers nested in another layer disabled the NoZoom, NoPan and NoScrolling properties. Now, these properties are disabled only if there is an ancestor layer that has NoZoom, NoPan or NoScrolling configured. Both the desktop (WPF) and the HTML5 platforms have been updated with this change.
	Resolved an issue that prevented certain AlarmWorX64 Viewers, GridWorX Viewers, or TrendWorX64 Viewers from appearing in GraphWorX64.
91083	There is nothing in particular about the individual viewers that caused this issue, but inspecting the XML code of an affected viewer revealed the Template="{x:Null}" property. This property should not be part of the viewer's XML. The property is now ignored, and steps have been taken to prevent it from appearing in new displays and new viewers.
	Displays with this issue do not need to be re-saved or edited to benefit from this fix. Just open a display in a version that contains this fix, and the viewer will be visible with its original configuration.
91249	Resolved an extremely rare timing-related crash that occurred when executing a pick action with DragDrop set to True.
91574	Resolved an issue where the GraphWorX64 configuration WebHMI page (which can only be used in Internet Explorer or Edge in IE mode) would crash when the user right-clicked a grid panel in configuration mode.

RecipeWorX

Ref ID	Description
90767	Resolved an issue where deleting recipe items caused some recipe management tags to be blank when the tags specified an index number, such as rcpm:RecipeData.Value("MyRecipe",5).
91248	Resolved a rare crash in FrameWorX that occurred if a client behaved unexpectedly when browsing points from the recipe point manager.

ScheduleWorX64

Ref ID	Description
91452	Resolved a crash that occurred when the configuration contained invalid or corrupted holiday information. The situation is now handled by not loading the invalid data, and logging a message to TraceWorX. However, the invalid data will remain until it is manually cleared or corrected.
	If you suspect you have corrupted holiday data, contact technical support, but note that, in most cases, the holidays will need to be recreated.
91639	After using ConverterWorX to upgrade a 32-bit ScheduleWorX configuration to ScheduleWorX64, all converted value sets included a value set value named "__DefaultValueColumn_DoNotUseAsAValueSetName__". This value had special meaning in 32-bit ScheduleWorX, but it isn't used for anything in ScheduleWorX64. Previously, the presence of this value set value caused issues with the Schedule Control. In the desktop (WPF) Schedule Control, when editing an event, a blank value would appear in the ValueSet Value list. The HTML5 Schedule Control could appear as grayed out and show an error saying, "Failed to load the schedule."

Ref ID	Description
	This has been resolved. The "__DefaultValueColumn_DoNotUseAsAValueSetName__" value set value causes no odd behavior in the Schedule Control, but it is now visible in the list of value set values. Previously, it was only visible in Workbench, not in the Schedule Control. You can delete or rename this value set value to avoid seeing it in the Schedule Control, if desired.

Hyper Historian

Hyper Historian Workbench Provider

Ref ID	Description
91545	Hyper Historian Express was previously updated to allow the use of up to six loggers, However, Workbench was not properly updated to allow the same number of loggers to be added by the user.

Logger

Ref ID	Description
91253	Previously, when Minimum Time Extent and Maximum Total Size was selected as the condition for archiving a logger, the archiver would only check the time extent if the maximum total size had been reached first. This gave the impression that archiving was not working properly since the logged files exceeded the configured total size when the time extent hadn't been reached. The archiver now simultaneously checks the size and time extent, and archives if either limit is reached.

IoTWorX & Internet of Things

Internet of Things Workbench Provider

Ref ID	Description
90798	When deploying the IoTVisualizer module to devices using an older version of IoTWorX (10.96 and any of its Critical Fix Rollups), the wrong value for Container Create Options was used. The options being deployed were appropriate for 10.96.1 devices instead of 10.96. This caused the Visualizer module to malfunction. Users experiencing these issues with the Visualizer may need to redeploy the IoTVisualizer module after updating the ICONICS Suite to this version.

KPIWorX

Ref ID	Description
90894	When choosing to share a widget using the Image or PDF formats, or sharing the entire dashboard using the PDF format, a few pixels on the right side or bottom were cut off.
91346	The format of DateTime values in KPIWorX exports (XML, CSV, and HTML) was updated to increase compatibility with Excel. Previously, attempting to use Excel to open an export file created using the "share" feature that contained DateTime values would cause errors.
91611	If a user changed the selection from one type of widget to another widget of the same type (for example, if a user selected one chart, and then selected a different chart), the property grid showed the information from the first widget, not the currently selected widget.
91705	The table widget would crash (show an error) when minimized if the page size was set to greater than 50. The error was not visible until the widget was restored or maximized.

MobileHMI & HTML5 WebHMI

HTML5, iOS, Android

Ref ID	Description
90357	Resolved an issue that could cause text to bunch together, causing characters to appear to be drawn on top of each other instead of spaced out in a normal word or sentence. This issue only occurred when using the Firefox browser. Notably, the issue appeared when using the Data Explorer to browse for global color palette values, although it could have occurred in other places as well.
90770	On HTML5 clients, resolved an issue where the :ClientIPAddress Control and Diagnostics tag did not update when the client's IP address had changed in runtime.
91279	If a display was loaded from the App Hub and then a Load Display pick action with the TargetType set to "Current Display" was executed, that Load Display action would not have any effect. This has been resolved.
91654	Sometimes, when HTML5 pages were loaded, the following error message would appear in the TraceWorX log for the Anyglass Server multiple times: "Client command fail. type: unknown_id data." These messages did not indicate an actual error, and they had no impact on performance. These messages will no longer be logged.
91887	Enhanced the performance of batch steps in HTML5 commands, speeding up the execution by approximately 200 milliseconds per step. This can increase the speed of batch commands that execute many steps.

3D Viewport (Tech Preview)

Ref ID	Description
90868	The Load Display command now works from the 3D Viewport.

AlarmWorX64 Viewer

Ref ID	Description
90635	When making changes to an alarm viewer's subscription (such as when changing a global alias used in the subscription or configuration file), sometimes individual alarms would fail to be displayed due to a timing issue. This issue was resolved on both the desktop (WPF) and the HTML5 platforms.
91125	Resolved an issue that caused the counts shown in the Details bar to be incorrect when applying or changing a filter. This issue has been resolved for both the desktop (WPF) and HTML5 platforms.
91133	Resolved an issue where exporting data to XML when cells contained "<" or ">" characters created an invalid XML file. Those characters are now properly escaped. This applies to both the AlarmWorX64 Viewer and the GridWorX Viewer for both the desktop (WPF) and HTML5 platforms.
91330	Resolved a rendering issue with the line connecting a label to a pie chart. In certain cases, the lines would be drawn extremely out of position.
91551	Previously, CSV exports of data from the AlarmWorX64, GridWorX, and TrendWorX64 Viewers didn't show Unicode data when opened in Excel. This has been resolved for both the desktop (WPF) and the HTML5 platforms.

EarthWorX

Ref ID	Description
90639	Resolved an issue where EarthWorX Viewers containing a worker path replay layer with an undefined or empty source resulted in the entire display not rendering in HTML5.

GraphWorX64

Ref ID	Description
90667	Previously, layers nested in another layer disabled the NoZoom, NoPan and NoScrolling properties. Now, these properties are disabled only if there is an ancestor layer that has NoZoom, NoPan or NoScrolling configured. Both the desktop (WPF) and the HTML5 platforms have been updated with this change.
90783	The Set Local Alias command previously ignored the TargetName parameter. This has been resolved.
91256	Resolved an issue where popup menus that were configured with custom font settings (such as a different FontFamily or FontStyle property) but used the default FontSize property of 12, did not open in HTML5 displays.
91269	Resolved an issue that made pick actions unavailable or unselectable for no apparent reason.

Ref ID	Description
91283	Resolved an issue where the localsim::currentUser point sometimes failed to resolve, especially when used in an expression.
91396 91380 91397	Resolved several positioning issues of display-dependent and window-dependent popups. The issues that were resolved included popups appearing in the wrong place, jumping to the center of the window, or being created with the wrong dimensions.
91537	If a location dynamic was connected to a dynamic data source (such as a global alias) when a display loaded, the location wasn't set correctly because the initial value hadn't arrived. This has been resolved.
91555	For dynamics with a flash rate (such as hide or color dynamics), resolved an issue where a dynamic wouldn't flash if the flash rate was set to a dynamic value (such as a tag or a global alias) but the data source was set to a constant value. It appeared as a solid color or was permanently hidden.
91593	Resolved an issue where the Select Element and Select View commands did not function when the target was a GraphWorX64 display or viewer.
91763	Resolved an issue where batch commands triggered from inside an embedded GraphWorX64 Viewer did not properly resolve tags, which led to the commands not executing properly or appearing to not execute at all.

GridWorX Viewer

Ref ID	Description
91133	Resolved an issue where exporting data to XML when cells contained "<" or ">" characters created an invalid XML file. Those characters are now properly escaped. This applies to both the AlarmWorX64 Viewer and the GridWorX Viewer for both the desktop (WPF) and HTML5 platforms.
91551	Previously, CSV exports of data from the AlarmWorX64, GridWorX, and TrendWorX64 Viewers didn't show Unicode data when opened in Excel. This has been resolved for both the desktop (WPF) and the HTML5 platforms.
91742	Resolved an issue where an HTML5 GridWorX Viewer configured as a scatter chart could not use dynamic values for the Minimum and Maximum when using a specific X-range.
91880	When the advanced setting EnableSilentMode is set to true in a GridWorX Viewer, the warning icon that should appear in the bottom left corner of the viewer is now hidden. This change affects only the HTML5 platform.
91901	Certain actions, such as changing the legend visibility, cause the chart to be redrawn. When line or area charts are redrawn, the old chart line might remain on the screen. This issue affected only the HTML5 platform, and it has been resolved.

TrendWorX64 Viewer

Ref ID	Description
90827	Added a new advanced property called AlternativeRangeAxisSize to the chart object. This property acts like RangeAxisSize, which sets the area that is available for the range axis information to be drawn. However, it applies to the side of the viewer where ranges that are configured with Alternative Placement are located (usually the right side).
90976	Added a new option for displaying the cursor value. On the chart object's Cursors tab under Sample Selection , there is a new option named Interpolate . When Interpolate is selected, the cursor tooltip displays a value interpolated from the previous and next sample. (This option is unrelated to the interpolative aggregate and can be used regardless of the pen aggregate.) The Interpolate option only works for area or line plots. Note: This option will not be localized. It will appear in English, regardless of the system language. In future versions, this option will be properly localized.
90982	When the RangeAxisSize property (on the Advanced tab of the chart object) was configured with percentage values less than 10% (such as 5%), the value was ignored, as if the property had a value of 0. This has been resolved.
91489	Resolved an issue where you couldn't drag more than 8 pens to an HTML5 TrendWorX64 Viewer. This wasn't the case when adding pens via other methods, such as using the Add Pen command.
91551	Previously, CSV exports of data from the AlarmWorX64, GridWorX, and TrendWorX64 Viewers didn't show Unicode data when opened in Excel. This has been resolved for both the desktop (WPF) and the HTML5 platforms.
91582	Resolved an issue causing the @@chart.timeinterval context property of the TimeRangeChanged event to return an incorrect value.
91737	When Simple Wheel Zoom is enabled (the default) and the Auto Scale Margin value of a Y-axis or range is not zero (zero is the default), the mouse wheel only zoomed out, not in. This has been resolved.

MobileHMI & HTML5 WebHMI - HTML5, iOS, Android

Ref ID	Description
91739	<p>Added HTML5 support for the ReadTimeRangeWhenZoomed property on the Advanced tab of the chart. When set to true, updates to the time range data source (configured on the chart's Range tab) are applied even when the viewer is zoomed in. When set to false, updates to the time range data source are paused while zoomed. The viewer remembers the last update from the time range data source and applies it when the viewer's zoom level is reset to the default. This property defaults to true.</p> <p>This property was added for the desktop (WPF) in 10.97.2, and now it applies to the HTML5 platform as well.</p>

Workbench

Ref ID	Description
91086	When importing into Assets or Hyper Historian, the Ignore GUID option is now unselected by default.
91088 91991	Various small updates have been made to the user interface.
91389	Resolved a crash of the ICONICS Workbench Configuration Service (or ICONICS FrameWorX, if the Workbench Configuration Point Manager is running in-process). The crash often occurred when restarting the service or when changing the currently active project in Workbench.

Known Issues & Limitations

Ref ID	Description
91261	<p>WCF communication was disabled by default. This can cause communication issues for some systems that are upgrading, especially those that use Hyper Historian with remote collectors.</p> <p>You should install Critical Fixes Rollup 1 or later to resolve these connectivity issues. See the <i>Version 10.97.2 Upgrade Guide</i> for more information.</p>
92003	<p>The Mitsubishi Electric FA Connector will crash if Easysocket failed to install during the installation of ICONICS Suite. Users who experience this issue should reinstall ICONICS Suite, which will also reinstall Easysocket.</p> <p>When upgrading from a previous version and choosing to upgrade all active databases during the installation, the Workbench catalog database won't be properly updated if it doesn't have the default name of "IcoSetup." A new database named "IcoSetup" is created instead, and it is made active. This can give the impression that the project was reset.</p> <p>Users with a Workbench catalog database with a custom name should follow these steps when upgrading to 10.97.2:</p> <ol style="list-style-type: none"> 1. Start the 10.97.2 installation and proceed until you see the screen with Database Creation Options. 2. Under Database Creation Options, select Advanced Configuration. 3. Proceed with the installation until the Configure local system dialog appears. 4. Select Back. 5. Under Project Settings, select Use an existing project database, and then select your custom Workbench catalog database. 6. Select Next. 7. If desired, select Automatically upgrade all configurations. Otherwise, select the databases you want to upgrade. 8. Select Configure. 9. Proceed with the installation. <p>Users who have already upgraded to 10.97.2 without following the above steps can recover with these steps:</p> <ol style="list-style-type: none"> 1. On the Start menu, run ICONICS Tools > Configure System. 2. Proceed through the wizard until you reach the Project Settings screen. 3. Under Project Settings, select Use an existing project database, and then select your custom Workbench catalog database. 4. Select Next. 5. If desired, select Automatically upgrade all configurations. Otherwise, select the databases you want to upgrade. 6. Select Configure. <p>When upgrading from an earlier version to version 10.97.2, the Workbench Report Database does not get properly updated. Configured Tags or Project Document reports that contain security information either fail or are missing information. When you try to run these reports, the following message appears in the task log: "Invalid column name 'Checked'."</p>
92329	<p>To resolve this issue, create a new Workbench report database:</p> <ol style="list-style-type: none"> 1. In Workbench, right-click your project and select Configure Application(s) settings. 2. In the Available Applications section, scroll to Workbench Report Database, and then select the database icon in the first column of that row. 3. In the Warning dialog, select Ok.
79462	<p>On Windows 7 and Server 2012 systems, the ICONICS services can take an excessively long time starting (10 minutes or more). This can delay services that are needed to allow connections via Remote Desktop or Hyper-V console, which means that it can take more than 10 minutes before the system can be accessed.</p> <p>The workaround for this issue is to change the startup type for some services to Automatic (Delayed). Use the Services control panel or the Configure Services dialog in Workbench to change any ICONICS service running as Automatic to Automatic (Delayed). The ICONICS services still will be slow to become responsive, but users will be able to remote into the system in the meantime.</p>
88637	<p>If the AssetWorX configuration doesn't meet the following requirements, the sample Energy AnalytiX dashboards will have no data and the EnergyAssetsDimBi table under the any of the three energy data models in AnalytiX-BI will show with an "error" status:</p>

Known Issues & Limitations - HTML5, iOS, Android

Ref ID	Description
	<ul style="list-style-type: none"> The Energy AnalytiX extension must be added to the topmost equipment under Assets > Equipment. Each piece of equipment that has the Energy AnalytiX extension must be configured with one of the following levels: Enterprise, Area, or Site. Use the General tab to configure the level. <p>To resolve these errors, ensure your AssetWorX configuration meets the above requirements. See the knowledgebase article, KB-3891, to learn how to refresh the data model.</p>
58862	The Classic BACnet trend buffer is not synchronized correctly (creating a gap in the historical trend) when the Hyper Historian Logger Service has been stopped for a period of time (at least 15 minutes, but it's more likely to happen the longer the logger has been stopped).
92095	In the BACnet with SC beta, if a channel was configured for Direct Connect (which, in this beta, is configurable only by editing a JSON configuration file), the communication will fail during the "switching protocols" phase of establishing communication. Until this issue is resolved, users should use configure their channels to use a hub, which is the default configuration.
92007	<p>The default project that is created by installing version 10.97.2 and selecting Normal Setup is incorrectly configured for secured transport for .NET clients. This does not affect runtime, which is correctly configured to use unsecured transport, but it can cause issues or confusion in configuration. Users exporting or copying this project to another computer might expect to get unsecured transport, but they will get secured transport instead. Also, users who edit these settings under Project Explorer > Platform Services > FrameWorX > Server Settings > FrameWorX Location (.NET Clients) will see a warning about the data in the form not being synchronized. Users who ignored this warning may have accidentally overwritten their active transport security configuration, setting it to secured without realizing it.</p> <p>Users can resolve this inconsistency by going to Project Explorer > Platform Services > FrameWorX > Server Settings > FrameWorX Location (.NET Clients) and selecting the message to synchronize the data in the form.</p>
52673	The AlarmWorX64 Multimedia Configurator (Workbench Classic) does not support upgrading AlarmWorX64 Multimedia configurations when they are contained in databases with other ICONICS configurations (such as unified configuration databases). You can only update these configurations by using the installation or the Configure System utility.
90107	After making changes to the ICONICS security configuration, the Hyper Historian SQL Query Engine may return errors. To resolve these errors, restart the ICONICS Hyper Historian RawData Provider Host (HHRawDataProvider) service. If you are using the Query Engine with SQL Server, restart the SQL Server instance as well.
83056	Alarm acknowledgement may not succeed when acknowledging many alarms at once that originate from an IoTWorX device. Users encountering this issue can work around it by acknowledging alarms in smaller batches.
90526	<p>The new highly secure Alpine Linux 3.14 container used as a base for IoTWorX containers has a compatibility issue with EFLOW. Default 10.97.2 IoTWorX containers on EFLOW cannot connect to IoT Edge. You can work around this issue by disabling the functionality necessary for BACnet Network Discovery and the SNMP Explorer. If your project does not need BACnet Network Discovery or the SNMP Explorer, you can disable the problem feature with these steps:</p> <ol style="list-style-type: none"> 1. Open Workbench where your IoT Project is located. 2. Configure the modules for the devices that use EFLOW: <ul style="list-style-type: none"> • For a single device, right-click the device, select Configure Modules, and then Click to Configure Modules. • For multiple devices, right-click Devices, and then select Bulk Modules Configuration. 3. Find the IoT Edge Agent (or IcoEdgeAgent) module. 4. Ensure Deploy is selected. 5. Select Advanced Settings. 6. In Container Create Options, look for HostConfig. In that section, remove the following line: <pre>"NetworkMode": "Host",</pre> 7. Select OK. 8. Repeat for the IoT Publisher (or IoTPublisher) module. 9. Select Deploy. <p>EFLOW users who need BACnet Network Discovery or the SNMP Explorer are advised not to upgrade to version 10.97.2 until this issue is resolved.</p>
63359	Esri maps are currently not supported in HTML5.
91378	If a popup menu is configured on an object inside of a group and the menu position is set to MousePoint, the popup menu will appear in the wrong location in HTML5 clients.

Known Issues & Limitations - HTML5, iOS, Android

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. You must create these properties manually or with additional PowerShell cmdlets.



Founded in 1986, ICONICS, a group company of Mitsubishi Electric Corporation, 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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