

ICONICS 10.97

Critical Fixes Rollup 4

Resolved Issues | **ICONICS Suite™**

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Release Notes for Version 10.97.0 Critical Fixes Rollup 4

The following issues and enhancements have been fixed in this release.

 **Notes:**

- 10.97.0 Critical Fixes Rollups aren't compatible with other 10.97.x products, such as 10.97.1 or 10.97.2.
- For information about security vulnerabilities, refer to iconics.com/cert.
- To view the changes that were made in Critical Fixes Rollup 3 or earlier, [click here](#).

Common and Platform Services

Reference ID	Description
89186	The WebSocket communication layer occasionally deadlocks and causes services (such as FrameWorX, GridWorX/Databases, or AnalytiX-BI) to stop communicating or leak memory.
89589	Various enhancements to improve the security of the software.
90459	
91161	
91164	
91171	
91178	
91185	
91199	
91206	
91213	
91220	

FrameWorX

Reference ID	Description
92260	The FrameWorX Server might crash when browsing for tags under Diagnostics > Control and Diagnostics > Services > Platform Services.
89744	The ICONICS FrameWorX and ICONICS Simulator Point Manager services occasionally crash (System.InvalidOperationException) on startup.

Licensing

Reference ID	Description
90939	For licensing purposes, point names with different capitalization are incorrectly counted as different points. This means that the same physical tag is counted several times.
93254	When reserving Write clients (Genesis64Write), one Write client is unusable.

OPC UA

Reference ID	Description
88198	In certain circumstances, OPC UA write requests can become stuck in a queue and are never committed or are committed much later than expected. This is more likely to happen when many writes are executed at the same time. This issue has been observed in BridgeWorX64 when executing many OPC UA writes at once, but it might occur in other OPC UA client applications performing writes.

Project Reporting

Reference ID	Description
88139	The Runtime Use Report generates with no data.

Redundancy

Reference ID	Description
88445	Redundant servers do not appear or appear as offline on MonitorWorX's Redundancy tab even though they are functioning and actively providing data. In some cases, the servers appeared once they were browsed in the Data Browser.

Security

Reference ID	Description
92407	Users or groups that have Create file permission can now save new configuration files for TrendWorX64, AlarmWorX64, and GridWorX Viewers using a new file name.

REST API

Reference ID	Description
93338	The <a href="https://<host_name>/fwxapi/rest/search">https://<host_name>/fwxapi/rest/search endpoint does not return any values when security is set to Active.

Alarms and Notifications

AlarmWorX64 MMX

Reference ID	Description
90511	Added support for OAuth 2.0 when connecting to email servers over SMTP.

AlarmWorX64 Server

Reference ID	Description
91423	The deadband of an alarm resets to zero when the alarm is disabled.

AlarmWorX64 Viewer


Reference ID	Description
90058	Global aliases and tags inside command parameters do not resolve in batch commands or in commands defined in controls.
88702	(MobileHMI and HTML5 WebHMI) The AlarmWorX64 Viewer's minimum column width has been reduced from 40 pixels to 20 pixels and is now consistent with the desktop (WPF) AlarmWorX64 Viewer. You can specify values that are less than 20 pixels for the column width, but the columns will be rendered at a minimum of 20 pixels in runtime.
89106	(MobileHMI and HTML5 WebHMI) When an AlarmWorX64 Viewer is saved with an empty column filter (as opposed to no column filter at all), the HTML5 AlarmWorX64 Viewer incorrectly only shows rows with a null value in that column.

AlertWorX

Reference ID	Description
90510	Added support for OAuth 2.0 when connecting to email servers over SMTP.
91131	Previously, you could only send Gmail emails by configuring OAuth 2.0. Now, you can choose to use either OAuth 2.0 or an app password for authentication.
91341	AlertGSender.exe might crash if the Gmail.config.xml file is corrupted or missing.

AnalytiX

BridgeWorX64 and Workflow

Reference ID	Description
91935	<p>In the Historical Input block, if the Aggregate field is set to anything other than "None" and the Point Name field contains an expression, the historical data is not read.</p> <p> This block is available in both BridgeWorX64 and Workflow.</p>
91994	<p>TraceWorX logs for the ICONICS BridgeWorX64 Scheduling Service occasionally log several error-level messages on startup that do not actually indicate a problem. The product works as designed despite these errors. The misleading error messages addressed by this change are:</p> <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.

CFSWorX

Reference ID	Description
88853	<p>Connected Field Service Workflows aren't being triggered on systems that have been upgraded from 10.97 or earlier when the CFSWorX Workflows point manager is configured to run in-process.</p>
89968	<p>If a worker's Alarms tab contains an alarm string that includes a remote node (such as "@\\Server\ICONICS.AlarmSvr.1\Plant Area B"), that worker is not notified.</p>
87856	<p>When using the SendGrid Email or Sendinblue Email notification blocks, if more than 255 characters are entered in the To, Cc, or Bcc address fields (such as when entering multiple email addresses), the email is sent normally but it is not logged. For SendGrid, the failure to log the outgoing message prevents acknowledging the triggering alarm since the system cannot find the original message in its log and doesn't know what should be acknowledged. (Note that this issue is less apparent with Sendinblue as it does not support acknowledgement.)</p>
88061	<p>Resolved a rare crash of the ICONICS Connected Field Worker Workflow point manager (FwxCFSWFService.exe).</p>
91990	<p>The TraceWorX logs for the ICONICS CFSWorX Workflows Scheduling Service occasionally log several error-level messages on startup that do not actually indicate a problem. The product worked as designed despite these errors. The misleading error messages addressed by this change are:</p>

Reference ID	Description
	<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.

Fault Viewer

Reference ID	Description
89536	Displays created in 10.97.0 or earlier lose the automatic width setting of columns in the Table Control or Fault Viewer after the viewer is edited and saved in the new version. This issue has been resolved for displays that are newly upgraded. However, if you have displays that were saved in a version that had this issue, you will need to manually configure the width configuration.

ReportWorX64 Server

Reference ID	Description
91778	Reports that use a Generated Reports tag (visible under Reports in the data browser) cause the ReportWorX64 service to hang when attempting to run the report. When this problem occurs, the report stays in the queue and never finishes.

AssetWorX

Reference ID	Description
90809	The AlertEmail and AlertPage services are no longer used. Emails and pages are now handled by the ICONICS AlertWorX Service.

Controls

Camera Control

Reference ID	Description
93478	The Camera Control stops working on non-US versions of Windows.

Data Explorer

Reference ID	Description
94253	(MobileHMI and HTML5 WebHMI) Data Explorer displays no data after switching GridWorX configurations.

Table Control

Reference ID	Description
89536	Displays created in 10.97.0 or earlier lose the automatic width setting of columns in the Table Control or Fault Viewer after the viewer is edited and saved in the new version. This issue has been resolved for displays that are newly upgraded. However, if you have displays that were saved in a version that had this issue, you will need to manually configure the width configuration.

TrendWorX64 Viewer

Reference ID	Description
85898	Invalid (NaN) sample values are not rendered correctly in the Swedish localization of Windows.
86891	Enhanced the performance of HTML5 TrendWorX64 Viewer.
90069	The HTML5 TrendWorX64 Viewer does not translate the name of the aggregate filter when displaying it in the legend. This causes discrepancies between the filter names in desktop (WPF) and HTML5 displays and can also cause interpolative filters to show as "raw data" in the legend.
91687	If a third-party OPC UA server returns historical data in batches, the TrendWorX64 Viewer only displays data from the first batch. As a result, the TrendWorX64 Viewer is only partially populated with data.
92795	The foreground color is now applied to the loading icon. Previously, it was always black.

Data Connectivity

BACnet

Reference ID	Description
88201	The BACnet point manager is prevented from resubscribing to tags at the configured re-subscribe COV period after a device goes offline and then comes back online.
94242	The BACnet point manager crashes when a BACnet object enters a fault state.
94244	Data Explorer crashes when attempting to set the presentValue of a BACnet object.

Modbus

Reference ID	Description
88516	Enhanced the performance of the Modbus point manager. This performance enhancement is most noticeable with configurations of 1,000 or more points and configurations with multiple clients connected.

SNMP

Reference ID	Description
91113	Importing Management Information Base (MIB) files with duplicate entries causes an error, and the MIB import process fails, importing no entries.
91478	Alarm clients can now subscribe to additional fields named "Attribute <i>n</i> _OID" (where <i>n</i> is the attribute number) in addition to Attributes 1–10. For example, "Attribute 3_OID." These fields include the full OID of the trap variable.
92369	Data sets coming from the SNMP point manager can now be used in AnalytiX-BI, BridgeWorX64, ReportWorX64, and Workflows.

GraphWorX64

Reference ID	Description
88239	Smart binding is now supported on custom confirmation message parameters of data entry process points.
88400	Embedded GraphWorX64 Viewers load blank when a display loaded in the embedded viewer contains a local alias that is only set with an initial value and then never changed. In this situation, the next display to be loaded into the embedded viewer does not load properly and appears as blank.
89335	Triggering a display to load via the global Load Graphics Display command when another display has not yet finished loading causes an exception and crashes GraphWorX64. When this situation occurs, the following error message is displayed: "An attempt was made to transition a task to a final state when it had already completed."
88166	(MobileHMI and HTML5 WebHMI) Color dynamics belonging to objects on a layer stop working after the layer is hidden and then shown if the layer has been configured with the ReleaseDataWhenHidden property set to true. This issue can also affect objects in a pivot control when the page is pivoted away and then back.
88158	(MobileHMI and HTML5 WebHMI) Load Display commands with a target type of Parent Window open in a new browser tab instead of the existing tab.
91364	The Close Window command can now target independent pop-up windows.

GENESIS64 Basic SCADA

Reference ID	Description
87684	Systems that run using the AssetWorX Tag Counting mode (used by GENESIS64 Basic SCADA) do not allow browsing for third-party AE servers.

GridWorX Viewer

Reference ID	Description
88702	(MobileHMI and HTML5 WebHMI) The GridWorX Viewer's minimum column width has been reduced from 40 pixels to 20 pixels and is now consistent with the desktop (WPF) GridWorX Viewer. You can specify values that are less than 20 pixels for the column width, but the columns will be rendered at a minimum of 20 pixels in runtime.

Hyper Historian

Reference ID	Description
90106	Hyper Historian does not start when an unfinished transaction is stored in the Hyper Historian log files.
87476	Resolved a memory leak in the Hyper Historian SQL query engine.

RecipeWorX

Reference ID	Description
91251	FrameWorX occasionally crashes when a client behaves unexpectedly when browsing points from the Recipe point manager.

Tools

Bulk Asset Configurator

Reference ID	Description
88696	If the Excel worksheet used for the Bulk Asset Configurator input is configured to show the phonetic field (an Excel feature), the characters from this field are included in the assets and objects created by the Bulk Asset Configurator.

Workbench

Reference ID	Description
90793	When deploying an IoTVisualizer module for a prior version, the Create options are incorrect.
91387	The ICONICS Workbench Configuration Service (or ICONICS FrameWorX, if the Workbench Configuration point manager is running in-process) crashes when restarting the service or when changing the currently active project in Workbench.

Known Issues and Limitations

Reference ID	Description
61479	<p>Network discovery no longer works on operating systems with the latest updates. This is due to Microsoft removing the SMBv1 and Computer Browser services. These services were removed for security reasons, as they were being leveraged in ransomware and other malware attacks.</p> <p>Refer to the following Windows support article for more information on why these services were removed:</p> <p>https://docs.microsoft.com/en-us/windows-server/storage/file-server/troubleshoot/smbv1-not-installed-by-default-in-windows</p> <p>There are currently no alternative methods for ICONICS products to use for accurate and safe network discovery. ICONICS recommends that in lieu of automatic network discovery users can add servers manually under Platform Services > FrameWorX > Network Settings > FrameWorX Network or OPC UA Network.</p> <p>For OPC Classic servers, add them under Platform Services > FrameWorX > Server Settings > GenBroker64 Settings. For the channel type (most likely "OPC over TCP/IP"), select the "Configure Nodes" icon in the first column and add your server name or IP address as a node.</p>
84054	<p>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, or SNMP) and are not configured as AssetWorX tags (AssetWorX point names start with "ac:"). If you think your system may encounter this issue, please contact your ICONICS sales representative or distributor before applying this critical fixes rollup. If you have already applied the rollup, you can temporarily uninstall it from Windows settings before contacting your representative or distributor.</p>
82446	<p>On a Hyper Historian Collector installation, the Configure System tool does not work.</p>
78056	<p>On some systems, the ICONICS License Service may fail to start after a reboot, causing clients such as Workbench and GraphWorX64 to display keys or a license failure message. If this occurs, change the start-up type of the service from Automatic to Automatic (Delayed) using the Services control panel. This was observed most often on Windows Server 2016 and Windows Server 2019.</p>
79462	<p>On Windows 7 and Server 2012 systems, the ICONICS services can take a long time starting (10 minutes or more). This can delay services that are necessary to allow connections via Remote Desktop or Hyper-V console, which means that it can take over 10 minutes before the system can</p>

Reference ID	Description
	<p>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 will still be slow to become responsive, but users will be able to remote into the system in the meantime.</p>
58862	<p>The BACnet trend buffer is not synchronized correctly (creating a gap in the historical trend) when the Hyper Historian Logger Service has been stopped for a period of time (at least 15 minutes, but it is more likely to happen the longer the logger has been stopped).</p>
80636	<p>If there is more than one NIC present on IoTWorX edge devices running Linux, the operating system determines which adapter is used to communicate with a given SNMP device. This means that the Network Adapter setting for a network in the SNMP Workbench provider is ignored. If users are having problems exploring the network or communicating with an SNMP device on a system with more than one NIC, check the operating system's network settings.</p>
47824	<p>Installing BizViz after AlarmWorX64 MMX causes the call-out agent to be unable to play voice when it calls out. This does not happen if BizViz is installed first.</p>
52673	<p>The AlarmWorX64 Multimedia Configurator (Workbench Classic) does not support upgrading AlarmWorX64 Multimedia configurations contained in databases along with other ICONICS configurations (such as unified configuration databases). These configurations can only be upgraded by the installation or the Configure System utility.</p>
83619	<p>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:</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>The settings on the Alarms tab of these equipment classes will not be imported.</p> <p>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.</p>
46650	<p>There is a known issue that may cause the TrendWorX32 Logger configurator to become unable to connect to the TrendWorX32 Logger engine when running GENESIS32 and GENESIS64 together and after uninstalling GENESIS64. A reregistration of the TrendWorX32 Logger will mitigate this</p>

Reference ID	Description
	issue.
72897	When an internet connection is re-established after an internet disconnection, it may take about 15 minutes to re-create the connection between the EdgeHub module running on the edge device and the IoT Hub running in the cloud. Note that no data should be lost in this situation. Data will be buffered and sent when the connection to the IoT Hub is made.
68302	Loading a KPIWorX dashboard with the "Current Day" preset selected in the Calendar widget will display as a custom range instead of the preset. The range will still be the correct day, however.
63359	Esri maps are currently not supported in HTML5.
55389	There is a known Workbench issue where the user may not be able to replace a tag when a form is maximized. To work around this, the user can drag and drop the tag, manually enter it, or copy and paste it.
81025	When using PowerShell cmdlets to add energy calculations to meter tags, the related AssetWorX equipment properties (including their connection to Hyper Historian) are not automatically created. The user will have to create these properties manually or with additional PowerShell cmdlets.



ICONICS, a group company of Mitsubishi Electric Corporation, serves as the software center of excellence for Mitsubishi Electric's Factory Automation Systems Group. Its visualization, analytics, mobile, IoT, and cloud solutions improve productivity, reduce integration time and operating costs, and optimize asset utilization. ICONICS solutions, combined with the knowledge and industry expertise of Mitsubishi Electric, maximize value to the customer by monitoring and controlling automation processes. ICONICS award-winning software boasts over 375,000 installations in Factory Automation, Process Automation, and Building Automation customers in over 100 countries worldwide.

ICONICS is leading the way in cloud-based solutions with its HMI/SCADA, analytics, mobile and data historian to help its customers embrace the Internet of Things (IoT). ICONICS products are used in manufacturing, building automation, oil and gas, renewable energy, utilities, water and wastewater, pharmaceuticals, automotive, and many other industries. Delivering information anytime, anywhere, ICONICS' solutions scale from the smallest standalone embedded projects to the largest enterprise applications.

ICONICS promotes an international culture of innovation, creativity, and excellence in product design, development, technical support, training, sales, and consulting services for end users, systems integrators, OEMs, and channel partners. ICONICS solutions are installed in 70 percent of the Global 500 companies around the world, helping customers to be more profitable, agile, efficient, to improve quality, and to be more sustainable.

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