ICONICS 10.97.1

Resolved Issues | ICONICS Suite™

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Introduction to Release Notes for 10.97.1 Critical Fixes Rollup 1

This edition of Release Notes documents the changes made for 10.97.1 Critical Fixes Rollup 1. It includes both fixes and enhancements.

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

Security Vulnerabilities

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

Common & Platform Services

Ref ID	Description
86914 86950	These documents from the original 10.97.1 installation media have been updated. The updated copies can be found in the "Updated 10.97.1 Documents" folder. * ICONICS - Compatible Software and Operating Systems.pdf (application note) * Hyper Alarm Server - Quick Start.pdf (application note) * ICONICS-Suite-Resolved-Issues-10971.pdf * ICONICS-Suite-Whats-New-10971.pdf

Commanding

Ref ID	Description
87368	GraphWorX64 local aliases cannot be used directly inside batch commands, so to address this need, batch commands now have a new property called Parameters. This property can be found in the CommandParameters section of a pick action when the Command is set to "Batch". The Parameters property can be used to initialize static variables inside the batch command. These variables can be used to pass in local alias values or other bits of information that might normally not be accessible inside the command. The Parameters property itself must be a string that defines the static variable and its value. The syntax used is similar to that used to set global aliases. An expression can be used to build this string using dynamic values. Below are two examples of the Parameters property: myStatVar=1;anotherVar=5; {{x="myStatVar="+"<<localAlias>>"+";"}} Once a static variable is defined using the Parameters property, it can be used within the batch command using syntax similar to local aliases: <<myStatVar>> These variables cannot be changed inside the batch command. They are set once when the batch command is triggered and will retain that value for the entire run of the command. Note, there is a known issue that the Parameters field appears inside the configuration dialog for the batch steps. It should not appear here and values entered into this field will not be saved. This will be addressed in future versions. For now, users should make sure to use the Parameters field in the GraphWorX64 Dynamics panel under CommandParameters and ignore the Parameters field in the steps configuration dialog.

Data Browser

Ref ID	Description
87426	When running in AssetWorX Tag Counting mode (used in GENESIS64 Basic SCADA), the proper set of browsable tags may not have been shown when switching back and forth between an area of Workbench that was allowed to browse the entire address space (like AssetWorX equipment properties) and an area that was only allowed to browse a limited set of the address space. The browser could behave as if the user were still using the previous client (so attempting to browse for tags from inside Hyper Alarm Server might have incorrectly shown the entire address space if the user previously was browsing for tags under an AssetWorX equipment property). This has been resolved.

FrameWorX

Ref ID	Description
87274	OPC UA servers configured under Data Connectivity > OPC UA > OPC UA Network were not browsable if they were configured with a Secondary Endpoint URI. This has been resolved.

Language Aliasing

Language Aliasing Workbench Provider

Ref ID	Description
86827	The Language Aliasing provider now correctly alerts the user when invalid characters are used in alias names, or the name is longer than the allowed limit of 255 characters.

Project Reporting

Ref ID	Description
87260	If there were any fault models defined under AnalytiX > FDDWorX > Fault Diagnostic Models, report generation involving Assets (such as the [Assets] All properties report) would fail during the data collection phase with this error: "Cannot get the collection results for Assets - Error: entity is not of expected type: EntityBase". This has been resolved.
87277	Value and Status columns have been added to these Assets reports: Dynamic Tags, Expressions, Polled Dynamic Tags, and Static Values.

Security

Ref ID	Description
87133	When using security in Azure Active Directory mode, user permissions were not being properly applied from nested groups. This has been resolved.

AnalytiX

AnalytiX-BI

Ref ID	Description
86621	Made an improvement in the performance of queries that use subqueries.
86626	The COALESCE, CONCAT, and CASE WHEN functions would fail when used with only constants or constant expressions. This has been resolved.
86629	The COALESCE function may cause query errors when literal NULLs are used as parameters, and one or more other parameters are one of these types: bool, string, byte, sbyte, Int16 or UInt16.
86656	The totimezonetime() function would cause an "unsupported data type" error when used as part of a query. This has been resolved.
86940	Views that called another view and used a parameter in that nested view would cause an error and not return data. This has been resolved. Example view definition that might cause this issue: SELECT * FROM AnotherView(@param)
86979	Resolved a query execution error that would occur when calling COLLATE in an IN list.
87091	View parameters of type Native are not supported by AnalytiX-BI, however Workbench allows them to be created. Previously, views created with Native parameters would appear to have been created properly but would not be visible when browsing. This has been resolved by treating parameters of type Native as if they were type String. Future versions may remove the option to create Native parameters from Workbench and convert any existing Native parameters to String.
87263	Improved grouping performance, especially when grouping by a string column.
87268	The .@@Count point applied to a dynamic query (example: bi:Models:Northwind(SELECT * FROM Employees).@@Count) was no longer working in 10.97.1. This has been resolved.
87357	Resolved an error that could prevent data from being loaded into a data model table from a dataflow when both the table and the dataflow contained a hierarchical column (such as an asset path).
87458	Queries including both the JOIN and GROUP BY clauses would fail to execute, citing the GROUP BY column did not exist. This has been resolved.
87467	On localized systems, the Runtime Status points (Status, Last Updated and Row Count) shown in the Data Table configuration form in Workbench would report a bad quality value. This has been resolved.

BridgeWorX64 & Workflow

BridgeWorX64 Server

Ref ID	Description
86890	Resolved a rare crash (NullReferenceException) in the BridgeWorX64 or CFSWorX engine. The crash involved using a Bulk Tag Writer or Bulk Tag Reader activity with a tag list that came from a database query, and the result of that database query contained null or empty tag names.

BridgeWorX64 Workbench Provider

Ref ID	Description
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 were unable to be changed in version 10.97.1. This issue has been resolved. (This was documented as a known issue in 10.97.1.)

Workflows Workbench Provider

Ref ID	Description
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 were unable to be changed in version 10.97.1. This issue has been resolved. (This was documented as a known issue in 10.97.1.)

CFSWorX

General

Ref ID	Description
86890	Resolved a rare crash (NullReferenceException) in the BridgeWorX64 or CFSWorX engine. The crash involved using a Bulk Tag Writer or Bulk Tag Reader activity with a tag list that came from a database query, and the result of that database query contained null or empty tag names.
87047	SendGrid Email activities that were upgraded from a previous version to 10.97.1 would fail. SendGrid Email activities that were newly created in 10.97.1 would work fine. This has been resolved.
87064	The syntax for alarm fields in Alarm Filter expression on Field Workflows changed slightly between 10.97 and 10.97.1. Version 10.97 required the full field name, such as {{BaseConditionType.OriginalSource}}, where version 10.97.1 would only accept the short field name, such as {{OriginalSource}}. Now, the full field name is converted on the fly to the short field name, so filters that were originally configured in earlier versions will continue to work.

CFSWorX Workbench Provider

Ref ID	Description
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 were unable to be changed in version 10.97.1. This issue has been resolved. (This was documented as a known issue in 10.97.1.)

Energy AnalytiX

Ref ID	Description
87008	The sample Energy AnalytiX data model has been improved to take advantage of the parameterized views feature of AnalytiX-BI that was new in version 10.97.1. These new parameterized views were added to all data models and make it easier to get information on energy data in clients like the GridWorX Viewer. The new views start with the name "SP_" and contain descriptions and comments that should help users understand their use.
	These new parameterized views are included in the new EnergyDashboard_Pack_10.97.10.CFR1.pkgx file which should be installed by the rollup. For preexisting Energy AnalytiX projects, before unpacking this file, delete all energy dataflows and data models from AnalytiX-BI, delete all energy analysis triggers from Actions, and rename or delete existing energy KPIWorX-BI dashboard files. The pack file is located by default in Program Files > ICONICS > GENESIS64 > AnalytiX Dashboards.

Facility AnalytiX & FDDWorX

Fault Viewer

Ref ID	Description
86615	The Table control and Fault Viewer would stop displaying timeline, microchart, or other array data when the grouping was changed. This has been resolved.

ReportWorX64 & ReportWorX64 Express

Ref ID	Description
87413	"Automatically evaluate a date and time" parameters would incorrectly use the time that the report was run, not the configured time. The date would correctly be set as configured. This has been resolved - now both the date and time are as configured in the parameter.

ReportWorX64 Express & Excel Add-In

Ref ID	Description
87032	In the ReportWorX64 ribbon, the "Hide header" checkbox was erroneously labeled "Open lateral data browser". This has been resolved.
87034	If a new column was added to a data source using the "Add Column" function, then the column was configured as a custom column, the column would not download any data. This has been resolved.

Ref ID	Description
87036	Tags that had multiple types (such as DA and HDA) could not be added as a data source in the ReportWorX64 Excel add-in. This error would appear: "The selected data source is not supported by ReportWorX64 add-in and cannot be created." Most notably, this prevented Hyper Historian tags from being added as they were both DA and HDA. This has been resolved.
87167	Sort settings (configured in Edit Data Source > Sort Header) were not being properly applied to HDA data sources when the data was downloaded. This has been resolved.
87193	If a user added a chart (Edit > Chart Settings) to a template but did not fully configure the chart, then saved the template, the template would not be able to load properly when it was opened again.
87471	Resolved an issue preventing parameters from being added to templates on systems using Russian localization. The parameters form appeared empty and grayed out.

ReportWorX64 Server

Ref ID	Description
87247 87246	Resolved an issue that would prevent Send Email redirector commands from sending.

Data Connectivity

GridWorX (Databases)

GridWorX Viewer

Ref ID	Description
86696 86701	GridWorX Viewer charts wouldn't render in runtime or would crash if VerticalLabelOffset, VerticalAxisStep, or HorizontalAxisStep were set to a negative value. This has been resolved.
87071	Improved the performance when loading displays with multiple GridWorX Viewer controls containing charts. Certain displays had their load times reduced from 30 seconds to 5 seconds. (Actual loading times may vary depending on the system specifications and the number of charts.)

GENESIS64

Alarms and Notifications

AlarmWorX64 Server

Ref ID	Description
86900	When a redundant alarm server switches from active to standby, the alarm server now clears all of its cached alarms. This clear does not affect what a client sees. Clearing the cache in this way helps the alarm servers stay in sync. This way, the alarm server that is now standby will not be working with a set of data that may have become inconsistent with the now-active alarm server. This change should help prevent situations where alarms are lost or duplicated after an incident where both alarm servers had become active (which could occur if the network connection between them was offline) but were getting live data that may not have been consistent between the two servers, causing them to become out of sync.
87117	When the IgnoreQualityChange INI entry was set to 1, updates with some uncertain quality states were not properly ignored. This has been resolved.

AlarmWorX64 Viewer

Ref ID	Description
87097	The AlarmWorX64 Viewer was confusing the contents of the BaseEventType.Time field with other fields that started with the same string, such as BaseEventType.TimeZone. The most obvious result of this issue was that when the AlignTimeZone feature (on the Advanced tab) was enabled for a historical alarm grid, the TimeZone column would show the value of the Time column instead of the proper time zone indicator, however other BaseEventType field names that started with "Time" could have been similarly affected. This has been resolved. Also, only the ActiveTime and Time fields were being converted into the proper time zone. This was resolved as well.

AlertWorX

Ref ID	Description
86398	Twilio would ignore configured language settings unless the language in question was specified for the DefaultCulture and DefaultUICulture settings in the appsettings.json file. This has been resolved. Now the desired language only needs to be added to the SupportedCultures array.

Hyper Alarm Server

Ref ID	Description
86970	In a redundant scenario, if both servers were taken offline and only the secondary Hyper Alarm Logger was started, it would not become active. It would only become active if it had already established connection to the primary Hyper Alarm Logger and that connection was lost. This has been resolved.
87198	A Hyper Alarm Logger configuration that was disabled could not become enabled again until the Hyper Alarm Logger service was restarted. This has been resolved.

Controls

Table Control

Ref ID	Description
86615	The Table control and Fault Viewer would stop displaying timeline, microchart, or other array data when the grouping was changed. This has been resolved.
86919	Automatic refresh of the data could not be configured. The Refresh Rate checkbox (on the General page in the Data section) would not stay selected. Selecting it, selecting OK, then returning to the configuration would reveal that the box was no longer selected. This has been resolved.
87326	Added these new possible actions that can be configured in the context menu: "Show Legend", "Show Cursors", and "Export Data".

Ref ID	Description
87409	When using the Time Shift setting for a pen, samples might not be displayed. The further into the past the pen was shifted, the more samples would be missing. This has been resolved.

TrendWorX64 Viewer

Ref ID	Description
87044	Historical data exposed through GridWorX Server (db: tag) would fail to read the sample quality. This has been resolved.
87185	The autoscale feature would not pick proper min or max values for a static data source. This has been resolved.
87187	Other than the default shared axis, a shared axis configured with auto scaling would ignore the Auto Scale Margin value. This has been resolved.
87382 35362 87383 87384	Added two new properties to pens that can be set on the Advanced tab of a pen. These properties are "ShowInCursors" and "ShowInLegend". They are true by default. When set to false, this pen will not be shown in the cursor tooltip or legend, respectively. These properties are respected by both the desktop (WPF) and HTML5 TrendWorX64 Viewers. They can also be set in Create Pen and Edit Pen commands.
87447 87448	Added a new property, "FitMarginLabels", to the chart object. It can be edited on the Advanced tab when the chart is selected. When set to true, the labels at the very beginning and end of the X axis will be adjusted to fit within the margins. When set to false (which is the default value and consistent with previous versions), these labels might be cut off by the viewer. This property is respected by both the desktop (WPF) and HTML5 TrendWorX64 Viewers.

Data Explorer

Ref ID	Description
84452	Resolved a crash of the data explorer that could occur when selecting a device that contained a proprietary BACnet object.

GraphWorX64

Ref ID	Description
86307	Resolved an issue causing some tooltips in the Smart Tile configuration to not be properly localized.
86395	Dragging points from the Assets or Hyper Historian branches of the data browser into GraphWorX64 caused this error: "There is no compatible data to paste." This has been resolved.

ScheduleWorX64

Ref ID	Description
86746	Resolved an issue in the ScheduleWorX Point Manager that could have caused the schedules to fail to load in the Schedule Control in certain cases. This issue was more likely to occur when multiple clients or multiple schedule controls were being used simultaneously.

Hyper Historian

Collector

Ref ID	Description
86749	Resolved a crash in the Hyper Historian Collector service (when running the standalone collector) or the Hyper Historian Logger service (when running the in-process collector). This crash would only occur when a Hyper Historian tag's data type was configured as "UInt8 (8 bit unsigned integer)" with the "Is Array" option enabled.

Logger

Ref ID	Description
87234	Re-calculation tasks in the Aggregate Task Manager would not recalculate if the task was configured with a tag filter and used an aggr: tag. This has been resolved but note that all aggregates for the chosen tag will be recalculated, not just the aggregate chosen in the filter.
87236	The "Starting at" time for a logger would always use UTC time, even if configured to use local server time.

IoTWorX & Internet of Things

Ref ID	Description
87039	It was not possible to browse the IoT alarm types in the IoT Subscriber when creating an A/E subscription. This is now resolved.
87424	Added some extra protection to the MQTT subscriber code in an attempt to prevent a rare crash in the subscriber service.

KPIWorX

Ref ID	Description
87049	In the Table widget, the default format for all numeric values was incorrectly set with two decimal places. This has been resolved. The default format is now correctly set based on the column type so, for example, integers will show no decimal places by default. (This is always changeable in the Table widget settings.)

MobileHMI & HTML5 WebHMI

HTML5, iOS, Android

Ref ID	Description
87155	In many controls, such as the AlarmWorX64 Viewer, GridWorX Viewer, Recipe Grid, BridgeWorX64 Viewer, and ReportWorX64 Viewer, runtime filters on Boolean columns did not work (the values would remain unfiltered). This has been resolved.

AlarmWorX64 Viewer

Ref ID	Description
86923	When using the "grouping" feature, the group names contained extra text. For example, when grouping by severity, the HTML5 group names should have just used the severity number ("100", "200", etc.) but instead they had a prefix of "Priority", like "Priority 100", "Priority 200", etc. This has been resolved.
87123	The HTML5 AlarmWorX64 Viewer now supports the "BeepFileLocation" property, configurable on the Advanced tab of the control (the parent item in the tree).

GraphWorX64

Ref ID	Description
87189	Resolved an issue that would prevent the 3D viewport from being displayed if it contained textures serialized as nulls. This is not a common scenario, but it could occur with imported 3D objects. Also resolved an issue causing slow loading of global colors in a 3D viewport.
87343	When displaying the description of a dynamic object in a tooltip, line breaks were removed. This has been resolved.
87481	If a Write Value pick action used an IF THEN expression without any ELSE and the IF condition was not true, a default value (such as zero) would be written. This was incorrect behavior and has been corrected. Now if the ELSE clause is missing and the IF is not true, the write will not occur.
87495	The TimeDate dynamic could show an incorrect local time if the client and server were in different time zones. This has been resolved.

GridWorX Viewer

Ref ID	Description
86665	Resolved an issue where the Y-axis title would sometimes not display if there were global aliases or other dynamic content in the title. This issue was more likely to occur if the GridWorX Viewer loaded a configuration file on startup, but this was not required.
86685	Resolved an issue in HTML5 GridWorX bar charts where negative values weren't drawn as a full bar.

ReportWorX64 Viewer

Ref ID	Description
87082	In Executor mode, the dropdown menu for list parameters used the same foreground and background color, making it impossible to read the text. This has been resolved.

Schedule Control

Ref ID	Description
87086	In the rare event that a Schedule Control configuration file (SCHX) is missing the FontFamily element, loading the configuration into a control would cause the display to crash and reload. This has been resolved.

TrendWorX64 Viewer

Ref ID	Description
87096	Resolved an issue that could cause manual pen ranges configured to be 0 to show as +/- 10 in runtime.
87318	When not enough space was available for the x-axis labels, they were not drawn at all. This has been resolved - the labels are now trimmed with an ellipsis at the end, similar to the behavior in the for desktop (WPF) TrendWorX64 Viewer.

Ref ID	Description
87429	Enhanced the performance of the HTML5 TrendWorX64 Viewer.
87602	Resolved a crash in the HTML5 engine that could occur when a client triggered two or more Edit Pen commands in sequence.

Remote Expert

Ref ID	Description
87176	Initiating a Remote Expert call would cause a 404 error on systems with an insecure (HTTP) origin. This issue has been resolved, but users are highly encouraged to use a secure origin when configuring Remote Expert.

Workbench

Workbench Classic

Ref ID	Description
86650	Resolved an Application Download Error (System.Deployment.Application.DeploymentDownloadException) that would occur when opening the PubDisplay/Workbench.htm page in Internet Explorer or Edge in IE mode.

Known Issues & Limitations

Ref ID	Description
79462	On Windows 7 and Server 2012 systems the ICONICS services can take an excessively long time starting (ten minutes or more). This can delay services necessary to allow connections via Remote Desktop or Hyper-V console, meaning it can take over ten minutes before the system can be accessed. The workaround for this issue is to change the startup type for some services to Automatic (Delayed). Use the Services control panel or the Configure Services dialog in Workbench to change any ICONICS service running as Automatic to Automatic (Delayed). The ICONICS services will still be slow to become responsive, but users will be able to remote into the system in the meantime.
58862	The 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.
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.

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. ICONICS' advanced visualization, productivity, and sustainability solutions are built on its flagship products: GENESIS64™ HMI/SCADA, Hyper Historian™ plant historian, AnalytiX® solution suite, and MobileHMI™ mobile apps. 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 has over 375,000 applications installed in multiple industries worldwide.

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