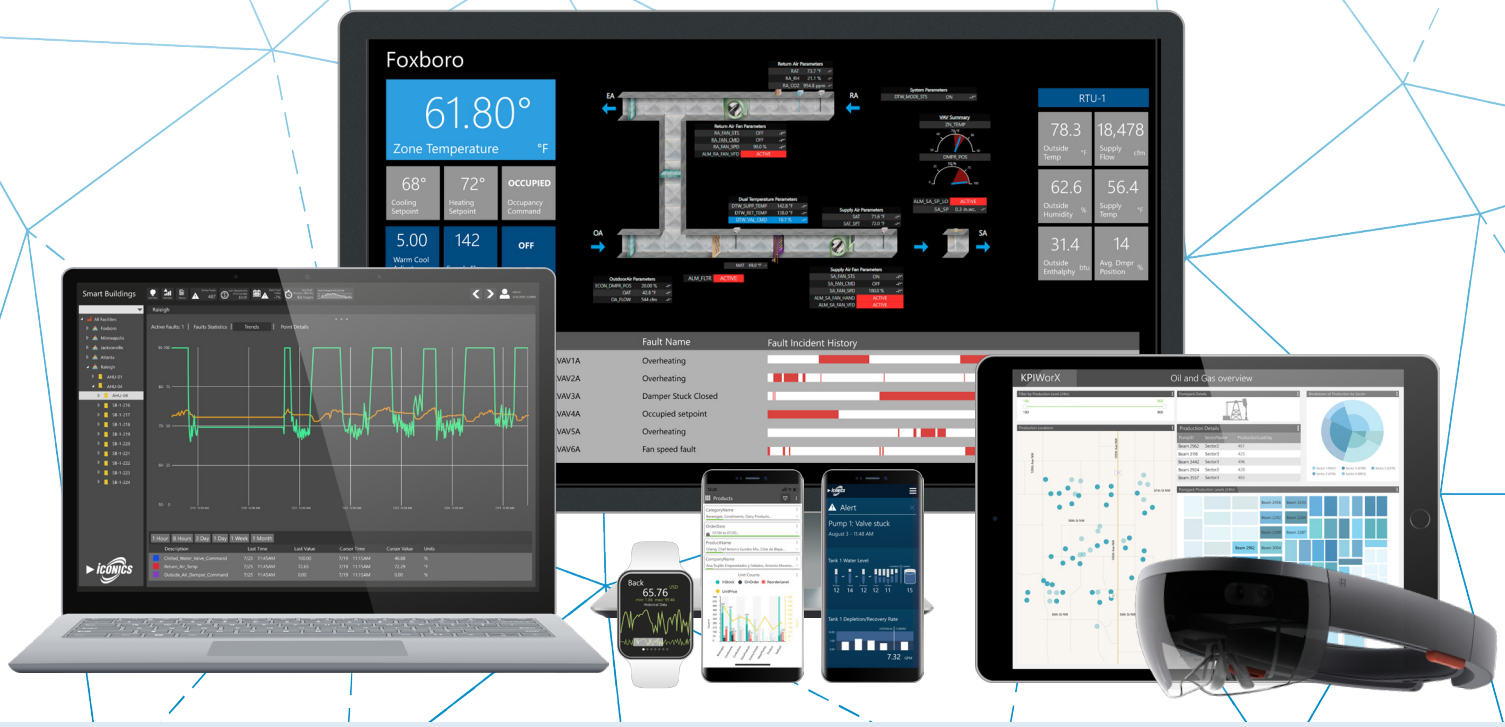
ICONICS 10.96.2

Critical Fixes Rollup 2

Release Notes | ICONICS Suite™
September 2021



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Contents

Introduction to Release Notes for 10.96.2 Rollup 2

This edition of Release Notes documents the changes made for 10.96.2 Critical Fixes Rollup 2. It includes both fixes and enhancements.

"First Available In" Column

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

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

Security Vulnerabilities

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

Common & Platform Services

Ref ID	Description	First Available In
83455	Resolved errors or warnings relating to an expired certificate that might have been seen by users of WPF/XBAP WebHMI with restricted internet access (such as on secure, air-gapped systems). Clients with the ability to contact the certificate issuer were able to validate the certificates without issue and would have seen no errors.	New for Critical Fixes Rollup 2
81480	ICONICS Suite applications and services are now more tolerant of problems in the IcoSetup64.ini file. If duplicate sections are found they are merged, and if duplicate values are found only the first found value is loaded and the additional values are discarded. Messages are logged to TraceWorX when these duplicates are processed.	Critical Fixes Rollup 1

Commanding

Ref ID	Description	First Available In
82008	Global aliases and tags inside of command parameters would not resolve in batch commands or in commands defined in controls. This has been resolved.	Critical Fixes Rollup 1

Expressions

Ref ID	Description	First Available In
83532	Resolved an issue in the tonumber() expression that could cause it to fail in specific cases when combined with the toformat() function.	New for Critical Fixes Rollup 2
81593	Resolved an issue with the tolocal function that would prevent it from converting data in certain cases. One such case was on data coming from the GridWorX point manager. This problem only existed when using version 10.96.2 with no critical fixes rollups.	Critical Fixes Rollup 1

FrameWorX

Ref ID	Description	First Available In
83425 83424	Resolved issues that could prevent the GridWorX Viewer, table, data diagram, heatmap, or Sankey controls from retrieving data from a remote FrameWorX server over a reverse networking connection. These issues only occurred in the table, data diagram, heatmap, and Sankey controls if they were configured to use a type of "Datasets." (The GridWorX Viewer always uses a connection type of "datasets".) (Reverse networking is only used when the Platform Services Configuration > Basic tab > Reporting section is configured.)	New for Critical Fixes Rollup 2
83753	OPC UA historical data might not render when using tag names generated when the OPC UA server's browsing mode was configured as something other than "Always Browse Path". This has been resolved. (Note, the browsing mode can be checked or modified by going to Platform Services > FrameWorX > Network Settings > OPC UA Network, select the tools icon for the desired OPC UA server, then go to Other Settings.)	New for Critical Fixes Rollup 2
82889	If the Server Enabling Point (configured under Platform Services Configuration > Advanced) was set to an exp: tag and that expression contained a tag from Diagnostics > License Information (such as, $info:Overview.LicenseMode), FrameWorX would self-disable as if the Server Enabling Point was bad quality. This has been resolved.	Critical Fixes Rollup 1

Health Monitoring

Ref ID	Description	First Available In
84015	Resolved an issue causing the health monitoring service to use an excessive amount of CPU. Note that because of this solution the startup type of services is now only checked once every 90 seconds.	New for Critical Fixes Rollup 2

Licensing

Ref ID	Description	First Available In
83038	Made a slight modification of the way point managers create sessions with licensing, designed to improve performance. Also, license aggregation is now optional and disabled by default. Users may want to enable if they are experiencing licensing-related issues on a system configured with a remote license server and a FrameWorX transport protocol of HTTP or HTTPS without WebSockets. To enable license aggregation, update the <AggregateLicensingSessions> value in the FwxServer.Network.config file. Restart FrameWorX or reboot after making changes to this file.)	New for Critical Fixes Rollup 2
83182	Systems configured with both reserved and non-reserved licenses would double the count of in use reserved licenses, possibly preventing non-reserved clients from obtaining a license even if there were bits free. This has been resolved.	Critical Fixes Rollup 1

Redundancy

Ref ID	Description	First Available In
83079 83080	MonitorWorX now correctly reports the online/offline status of the secondary server in a FrameWorX node pair. Previously the secondary server in a FrameWorX node pair would always show as offline if the primary server was active because no connection to the secondary would be made until the primary went offline.	Critical Fixes Rollup 1
83288	If a node went offline and then reconnected, MonitorWorX and rdcy: tags may show the node as still offline, even though the connection has been restored. This has been resolved.	Critical Fixes Rollup 1

TraceWorX

Ref ID	Description	First Available In
84086	After a system was upgraded from 10.96 or 10.96.1, certain modules were not able to read INI files. These modules would run using default values for the unreadable INI settings. The affected modules included: AlarmWorX64 Logger, AlarmWorX64 Server, AlarmWorX64 MMX, TrendWorX64 Logger, and Unified Data Manager (except expressions). This issue also caused these modules to not appear in the TraceWorX utility. This has been resolved.	New for Critical Fixes Rollup 2

AnalytiX

AnalytiX-BI

Ref ID	Description	First Available In
83712	Resolved an issue preventing the @@count tag of data views from properly recalculating.	New for Critical Fixes Rollup 2
83966	In data flows, the Asset Property Values step now returns null for bad quality values. Previously it returned an empty string, which could cause issues with following steps if they were not expecting a string value.	New for Critical Fixes Rollup 2
83095	Resolved an exception (System.ArgumentOutOfRangeException: 'The added or subtracted value results in an un-representable DateTime') that could occur when using a "Hyper Historian Aggregated Data" data flow step with a large processing interval.	Critical Fixes Rollup 1

BridgeWorX64 & Workflow

Common

Ref ID	Description	First Available In
83164	The Real Time Output, Bulk Real Time Output, or Dynamic Tag Writer activities may have failed writing to a remote data source if no transaction had read from or written to that particular data source for a period of time (around 30 minutes or more). This has been resolved.	New for Critical Fixes Rollup 2
83534	Resolved a rare crash of the FrameWorX Service (Opc.Ua.ServiceResultException). This crash involved writing values into an OPC UA server. The crash has only been observed when writing values from within a BridgeWorX64 custom task, but it is possible it could have occurred in other clients.	New for Critical Fixes Rollup 2
83710	Real Time Output, Bulk Real Time Output, and Dynamic Tag Writer blocks perform a function known as "read verification". This involves waiting a configured amount of time then reading a value from the tag to confirm the write occurred. The results of read verification appear in the output dataset of the activity in the HasReadValue column. Read verification does not occur if "Fast Write Option" is enabled. Resolved an issue causing read verification for these blocks to fail if the OPC server was on a different system and the system time of the BridgeWorX64 server machine was ahead of the OPC server system by a several seconds or more.	New for Critical Fixes Rollup 2
81771	When a string started with a global alias (or if the entire string was an alias), that alias would fail to resolve in BridgeWorX64 and Workflow activities. This has been resolved.	Critical Fixes Rollup 1

CFSWorX

Ref ID	Description	First Available In
83260	Resolved an issue with SendGrid AlertIDs that could cause them to use to a random number instead of 1 when rolling over from the maximum AlertID. This was only an issue with the first ID in a new sequence. The second AlertID would properly be set to 2 and continue as expected after that. Most of the time this issue was inconsequential, but if the random number chosen was also in use by an active alert it could cause unpredictable or confusing behavior. For example, a user could respond to a SendGrid notice intending to acknowledge one alarm, but another would be acknowledged instead because they both used the same AlertID.	New for Critical Fixes Rollup 2
82232	The Worker Access point manager was unable to load workers and their related properties on systems upgraded from 10.96.1 or earlier. Workflows attempting to access worker information would fail. This has been resolved for newly upgraded databases, however databases that were already upgraded from 10.96.1 to 10.96.2 will not be repaired. Users will need to restore a backup of the database from 10.96.1 or earlier and redo the upgrade procedure after installing a version containing this fix. If a suitable backup is not available, contact technical support for aid in repairing your configuration.	Critical Fixes Rollup 1

Ref ID	Description	First Available In
82745	If the system locale where the ICONICS WebAPI service is running is set to something other than US English (en-US) or Czech (cs-CZ), Twilio voice calls will fail. The call will announce, "We are sorry. An application error has occurred." This has been resolved.	Critical Fixes Rollup 1
83263	Resolved an issue where iteration count variables were not preserved during hibernation. This could lead to workflows that ran infinitely if they relied on the iteration count to exit a loop.	Critical Fixes Rollup 1

Facility AnalytiX & FDDWorX

Ref ID	Description	First Available In
83403	Disabling an FDDWorX fault rule no longer requires a restart of the service for the change to take effect.	New for Critical Fixes Rollup 2
83693	Resolved a rare 900-level message in the FDDWorX Service trace file. The message text was, "InvalidOperationException - Collection was modified, enumeration operation may not execute". This message did not indicate an actual issue, and it will no longer be logged.	New for Critical Fixes Rollup 2
82422	Very rarely, AssetWorX configuration databases upgraded from 10.95.x would not log new faults. This was caused by a rare error in the database upgrade process. The database upgrade process has been improved to prevent this error. Users who are experiencing this issue rare issue can either re-upgrade the database (restore the database to the 10.95.x version and perform an upgrade again using a version that contains this fix) or contact ICONICS technical support for assistance in repairing the already upgraded database.	Critical Fixes Rollup 1

Fault Viewer

Ref ID	Description	First Available In
85136	The FaultID column is now usable from the fault viewer and table controls.	New for Critical Fixes Rollup 2
82411	If the asset path specified for the Parent field in the Fault Viewer did not contain a trailing slash (example: ac:Parent instead of ac:Parent/) then the @@field.AssetPath context variable in commands could be missing a slash (example: ac:ParentChild instead of ac:Parent/Child). This has been resolved for all platforms - desktop (WPF), HTML5, and desktop (WPF).	Critical Fixes Rollup 1

ReportWorX64 & ReportWorX64 Express

Ref ID	Description	First Available In
83972	Resolved an issue causing Excel formulas to not be recalculated prior to using a print redirector command. (They were recalculated properly for other redirector commands.)	New for Critical Fixes Rollup 2
81345	Resolved an issue where ReportWorX64 was not able to use all available aggregates from Hyper Historian. The missing aggregates are still not visible in the HDA data source configuration form, but they can be specified using a parameter.	Critical Fixes Rollup 1
81888	If a historical data source contained any non-Hyper Historian tags (tags that did not start with the hh: prefix), no aliases or parameters in the data source would be resolved. The problem affected aliases or parameters anywhere in the data source, even in Hyper Historian tag names, if the data source contained both Hyper Historian and non-Hyper Historian tags. This has been resolved.	Critical Fixes Rollup 1
82863	Non-Hyper Historian historical data configured with an aggregate would ignore the aggregate when downloading data to the worksheet using the Excel add-in or executing a report in ReportWorX64 Server. This has been resolved.	Critical Fixes Rollup 1

ReportWorX64 Express & Excel Add-In

Ref ID	Description	First Available In
83740	In previous versions, if the user attempted to add too many tags to a single data source, an error message with "Exception from HRESULT: 0x800A03EC" would be shown, and the changes to the data source would only be partially saved, leaving the sheet in an inconsistent state. Now, a more user-friendly error message is shown, and the changes are not accepted. The sheet is not put in an inconsistent state.	New for Critical Fixes Rollup 2

Ref ID	Description	First Available In
	Note, this limit is an Excel limitation. It limits the number of characters for all tags in a single data source, meaning the actual number of allowed tags varies depending on the length of the tag names.	
83881	Resolved an issue that could cause templates to be uneditable when they were saved under specific circumstances. One of the circumstances that could cause this problem was if the template was saved after the user had logged out of ICONICS security. Other circumstances that caused this issue may exist but would be rare. Templates saved in these circumstances can now be edited just like any other template. There is no need to resave or recover the problem template in any way, simply edit them with a version of the ReportWorX64 Excel Add-In that contains this fix.	New for Critical Fixes Rollup 2
82921	The ReportWorX64 ribbon would always be grayed out in Excel 2019, even the quick enable button. This has been resolved.	Critical Fixes Rollup 1

Data Connectivity

BACnet Connector

Ref ID	Description	First Available In
83761	Resolved an issue that could cause BACnet alarm descriptions to disappear after the alarm was acknowledged. This happened because the device was sending an update with a blank description and BACnet runtime was using that description. Now BACnet Runtime will use a cached description if the device sends an update with an empty description. In the rare case that users prefer to use the updated description, even if it's empty, they can edit the IcoSetup.ini file and update or add this entry. When this entry is set to 1, an empty description will only be overridden with a cached value when BACnet Runtime is starting up. [BACNET\Compatibility] ProcessEmptyAlarmDescriptions=1	New for Critical Fixes Rollup 2
81184	When editing the Event Parameters of a BACnet alarm, sometimes the values in the state list would be duplicated. This has been resolved.	Critical Fixes Rollup 1
81914	Version 10.95.x systems required devices on the local network to have their Network Number set to 1. Starting in version 10.96.0, this was changed from 1 to 0, so devices on the local network needed a Network Number of 0. This means that systems being upgraded from 10.95.x may have their statically bound devices and network discovery stop working. This has been resolved – devices configured with a Network Number of 1 are now treated as having a Network Number of 0 in runtime. In the event that you want to disable this behavior (to not change the Network Number from 1 to 0), add or update this entry in the IcoSetup64.ini file: [BACNET\Compatibility] ArrangeNetworkNumber=0	Critical Fixes Rollup 1
83234	Various small updates and improvements to the BACnet Runtime.	Critical Fixes Rollup 1

BACnet Workbench Provider

Ref ID	Description	First Available In
83994	Resolved an issue that could cause users to create an incorrect Event Enrollment. After configuring an Event Enrollment, users would find it had changed to a different one after selecting "apply" in Workbench.	New for Critical Fixes Rollup 2
82609	Changing the name of a BACnet device would append the device ID to the end of the new name. This has been resolved.	Critical Fixes Rollup 1

GridWorX (Databases)

GridWorX Server

Ref ID	Description	First Available In
81192	Resolved a rare GridWorX Server crash that could occur if a command timed out under very specific circumstances.	Critical Fixes Rollup 1
81752	Resolved an inefficiency when writing to a db: process point that could cause excessive CPU usage, especially when writing to many db: points at once.	Critical Fixes Rollup 1
82534	Previously, if connection string values (such as the password) contained single quotes, double quotes, semicolons or equal signs, the connection string would not be read properly, and the connection would fail. This has been resolved.	Critical Fixes Rollup 1

GridWorX Viewer

Ref ID	Description	First Available In
81640	Resolved an issue that could prevent the GridWorX Viewer from loading data from any series if a single series had no data or was not a valid tag.	Critical Fixes Rollup 1
82459 82465	When a row was edited in the grid, the grid was reset, and the view jumped to the top. This has been resolved for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1
82466	Resolved an issue preventing the GridWorX Viewer from updating data when virtual fields were configured. This fix was for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1

GridWorX Workbench Provider

Ref ID	Description	First Available In
82402	Passwords in connection strings are no longer saved to export files in plaintext. They are encrypted when being saved to the export file and unencrypted when being imported. Note, it is still possible to import files that were created with plaintext passwords.	Critical Fixes Rollup 1

Mitsubishi Electric Factory Automation (FA) Connector

Ref ID	Description	First Available In
81185	Resolved an installation issue that would prevent the Mitsubishi Electric FA Connector from discovering devices or communicating with devices. When this issue occurred, testing the communication to devices would show this error: The communication test failed. Configuration error details: Error establishing a connection with the MELSEC (MELSEC Name=<name>). :ErrorCode=0x04000004	Critical Fixes Rollup 1
83034	If the Mitsubishi Electric FA Connector receives multiple subscription requests with different update rates at the same time, the connector would erroneously use the update rate of the last subscription for all subscriptions. This can cause a variety of unintended behavior. In particular, it has been observed to cause a delay in Unified Data Manager expressions when a tag from the connector was used in both the input and output expression. This is because the write expression uses a different update rate than the read expressions, and the write expression's update rate was the last one processed, and the write expression update rate is typically slower than the read expression.	Critical Fixes Rollup 1
83120	Tags from the Mitsubishi Electric FA Connector would stop updating if they were subscribed by two or more clients and one of those clients unsubscribed. The remaining clients would receive no further updates for those tags. This has been resolved.	Critical Fixes Rollup 1

Modbus Connector

Ref ID	Description	First Available In
83122	The Modbus Connector did not support characters with a hex value above 0x7F. This has been resolved.	Critical Fixes Rollup 1

Web Services Connector

Ref ID	Description	First Available In
81354	Resolved a crash that could occur when a REST service returned a REST exception. The exception is now properly handled.	Critical Fixes Rollup 1
82199	Web Services can now connect to SOAP services that require the SOAP 1.2 protocol. The Web Services point manager will first attempt to connect to the SOAP service with SOAP 1.1, and if that fails it attempts SOAP 1.2.	Critical Fixes Rollup 1
82238	The Web Services configurator failed to parse the schema correctly for SOAP services which rely upon externally imported WSDL documents. It would throw a System.InvalidOperationException. This has been resolved.	Critical Fixes Rollup 1
82955	Resolved a crash of the Web Services point manager that would occur when browsing methods that return void.	Critical Fixes Rollup 1

Web Services Workbench Provider

Ref ID	Description	First Available In
82294	Refreshing the schema of a Web Service call in Workbench would fail when Workbench was running in Internet Explorer. This has been resolved.	Critical Fixes Rollup 1

GENESIS64

Alarms and Notifications

AlarmWorX64 Logger

Ref ID	Description	First Available In
84173	Enhanced AlarmWorX64 Logger redundancy performance, especially in cases where two redundant logging databases were used, and one database was offline.	New for Critical Fixes Rollup 2
82693	Resolved an issue that would prevent historical replay from AlarmWorX64 Logger connections that were configured to log to a custom database. When this issue occurred, TraceWorX would log a message that said, "History Reader: Error when attempting to build SqlContentFilter: Login failed for user '<user>'. Invalid connection string attribute"	Critical Fixes Rollup 1
82786	When time zone support was enabled in the AlarmWorX64 Logger, the source local event time would be incorrect for records that were not the original alarm state (including acknowledgment and return to normal records). This has been resolved. Note that this fix will not correct the source local event time for records that have already been logged.	Critical Fixes Rollup 1

AlarmWorX64 Multimedia

Ref ID	Description	First Available In
82689	Resolved an issue that could cause some agents in a non-looping action set to fail to receive return-to-normal or acknowledgment notices.	Critical Fixes Rollup 1

AlarmWorX64 Server

Ref ID	Description	First Available In
82166	The AlarmWorX64 Server was not creating a local cache database (configured in the Workbench Configure Application(s) Settings dialog). This has been resolved.	Critical Fixes Rollup 1
82315	Added a new INI setting to reduce incidents where both AlarmWorX64 Servers in a redundant pair have valid but non-identical sets of data. This is known as "split-brain". This can occur when the source data is remote from the alarm servers and each alarm server receive different updates from the source data (perhaps because of network inconsistencies). This new setting sacrifices availability to help prevent split-brain issues from occurring. Contact technical support for information on how to implement this setting if you think you have having split-brain issues.	Critical Fixes Rollup 1
82940	Fields accidentally configured with only spaces could cause alarms to not function as desired. Now the AlarmWorX64 Server ignores configuration fields when they only contain spaces.	Critical Fixes Rollup 1

AlarmWorX64 Viewer

Ref ID	Description	First Available In
82693	Resolved an issue that would prevent historical replay from AlarmWorX64 Logger connections that were configured to log to a custom database. When this issue occurred, TraceWorX would log a message that said, "History Reader: Error when attempting to build SqlContentFilter: Login failed for user '<user>'. Invalid connection string attribute"	Critical Fixes Rollup 1
82878	A real-time alarm subscription with a configured time zone would incorrectly shift the time and active time of existing alarms every time a filter was applied. This has been resolved.	Critical Fixes Rollup 1

AssetWorX

Ref ID	Description	First Available In
82355	When in AssetWorX tag counting mode, the following changes apply: The .RealtimePoint node can no longer be expanded in the tag browser. The .HistoricalPoint node can no longer be expanded in the tag browser unless the asset is configured with an integrated Hyper Historian point. The .DatasetPoint node can no longer be expanded unless it is configured with a true dataset point. In addition, clients can only connect to tags under the .DatasetPoint (such as .DatasetPoint^[Column1][0]), not the .DatasetPoint itself. (Note that users can still connect to the asset property itself to subscribe to the entire dataset, such as for use in a GridWorX Viewer.) The behavior of these points has not changed when in advanced tag counting mode.	Critical Fixes Rollup 1

Asset Navigator

Ref ID	Description	First Available In
82768	Resolved a crash when configuring the Asset Navigator that would occur when adding a new styling rule on the Columns page and setting either the Foreground or Background to the default value and then applying the changes.	Critical Fixes Rollup 1

Controls

Ref ID	Description	First Available In
83425	Resolved issues that could prevent the GridWorX Viewer, table, data diagram, heatmap, or Sankey controls from retrieving data from a remote FrameWorX server over a reverse networking connection. These issues only occurred in the table, data diagram, heatmap, and Sankey controls if they were configured to use a type of "Datasets." (The GridWorX Viewer always uses a connection type of "datasets".) (Reverse networking is only used when the Platform Services Configuration > Basic tab > Reporting section is configured.)	New for Critical Fixes Rollup 2
81529	If an AlarmWorX64, GridWorX, or TrendWorX64 Viewer configuration that included batch commands was saved to a file, that file would cause a "configuration file specified is not valid" error upon loading. This has been resolved. This was an error on loading, not saving, so there is no need to resave files that caused this issue.	Critical Fixes Rollup 1
82008	Global aliases and tags inside of command parameters would not resolve in batch commands or in commands defined in controls. This has been resolved.	Critical Fixes Rollup 1

Camera Control

Ref ID	Description	First Available In
80741	Resolved an issue that could cause a black screen in the camera control when using RTSP streams if the camera sent an invalid origin.	Critical Fixes Rollup 1

EarthWorX Viewer

Ref ID	Description	First Available In
81165	Resolved an issue where OGC/WMS layers did not appear in WPF EarthWorX Viewers running in Internet Explorer (XBAP) when the OGC/WMS server was using certain TLS protocols. The XBAP EarthWorX Viewer now supports OGC/WMS servers running TLS 1, 1.1, 1.2, or SSL 3.0.	Critical Fixes Rollup 1
81940	Resolved an issue that could cause Esri maps to not appear when running the EarthWorX Viewer in Internet Explorer (WPF). This may also boost performance of EarthWorX Viewers running in Internet Explorer (regardless of whether they are using Esri maps).	Critical Fixes Rollup 1

Table Control

Ref ID	Description	First Available In
85136	The FaultID column is now usable from the fault viewer and table controls.	New for Critical Fixes Rollup 2

TrendWorX64 Viewer

Ref ID	Description	First Available In
83848	The AutoScaleMargin setting of the Create Pen command was not being applied. This has been resolved.	New for Critical Fixes Rollup 2
85040	Create Pen command would not add bar pens to an existing stacked bar or 100% stacked bar plot. A new plot would be created instead. This has been resolved.	New for Critical Fixes Rollup 2
81801	Resolved an issue where pen alarm limits without a configure value would show as "Empty Value" in the legend.	Critical Fixes Rollup 1
81818	Resolved an issue that could cause manual pen ranges configured to be 0 to show as +/- 10 in runtime.	Critical Fixes Rollup 1
82170 82171	When the chart object had Time Zone Alignment enabled and a pen had either Time shift or Time Zone specified, the Export Data command may not have exported the correct time range and the sample count displayed in the legend may be incorrect. These issues have been resolved.	Critical Fixes Rollup 1

GraphWorX64

Ref ID	Description	First Available In
81048	Restored the Functions button to the Smart Binding Editor window.	Critical Fixes Rollup 1
81883	Resolved a crash in desktop GraphWorX64 that could occur when attempting to play media files coming from an HTTPS source. The crash no longer occurs, but unfortunately media files still cannot be played from HTTPS sources in desktop GraphWorX64. When this situation occurs, an error is logged to TraceWorX, and the sound is not played. Note that displays running in browsers (including Internet Explorer using XBAP technology) were not affected by this issue and can still play media files from HTTPS sources.	Critical Fixes Rollup 1
82182	If executing the same load display global command twice, the local aliases would not be properly loaded from the second command. They would show with their default values. This has been resolved. Note, the local version of the load display command did not cause this issue, only the global command. This issue was not observed to have any effect on global aliases, but there is a chance it could have affected them. If so, that issue is also resolved.	Critical Fixes Rollup 1

3D Viewport

Ref ID	Description	First Available In
82645	Resolved a crash that could occur when moving an object in the 3D viewport when another 3D object is hidden in the same viewport. The crash would only occur when using the arrows within the viewer - the controls in the ribbon did not cause the crash.	Critical Fixes Rollup 1

Hyper Historian

Logger

Ref ID	Description	First Available In
81227	Resolved an issue that prevented the Hyper Historian calculation engine from reading changes to triggers made in runtime. Newly created triggers were read fine, but prior to this fix, modifications to existing triggers would be ignored.	Critical Fixes Rollup 1
81278	Hyper Historian TraceWorX messages no longer log the connection string.	Critical Fixes Rollup 1
81462	Resolved an issue causing values to not be logged when the status of the point is "Good - From Cache" (such as with an AssetWorX value reading from its cache). Note that even with this solution, it is necessary to enable "Collector overrides SourceTimestamp of data with its actual UTC time" in the Hyper Historian collector group for the tags that may show "Good - From Cache".	Critical Fixes Rollup 1
82377	Resolved an issue that could cause Hyper Historian to report bad quality data in aggregates for samples that coincide with the start of a new HHD file. This was an issue in replay only. No data loss occurred.	Critical Fixes Rollup 1

IoTWorX & Internet of Things

IoT Collector

Ref ID	Description	First Available In
81100	Resolved an issue preventing buffered points from publishing.	Critical Fixes Rollup 1
81865	Collecting a large number of samples per second with the IoTWorX Hyper Collector may have created a situation where samples were not properly logged, causing gaps in the logged data. This has been resolved. Prior to this fix, the behavior has been reproduced with 1000 samples per second, but it might have been reproducible with less. The Hyper Collector has also been made more resilient against storage failure and other unexpected issues that may occur on the IoTWorX edge device.	Critical Fixes Rollup 1

Workbench IoT Project

Ref ID	Description	First Available In
81307	Resolved a rare issue in IoT/Azure projects where the gateway would erroneously report status 500, even if everything was working.	Critical Fixes Rollup 1

KPIWorX

Ref ID	Description	First Available In
83393	Exporting KPIWorX data to CSV would not properly adhere to the regional settings of the client. This has been resolved.	New for Critical Fixes Rollup 2

MobileHMI & HTML5 WebHMI

HTML5, iOS, Android

Ref ID	Description	First Available In
84492	The color axis in the data diagram and heatmap controls did not properly show the color scale gradient if the color stops were not sorted by percentage. This has been resolved.	New for Critical Fixes Rollup 2
84992	Scroll bars using global colors would not appear in specific circumstances (often involving embedded displays). This affected a variety of controls, including table, fault viewer, and several types of navigator control. This has been resolved.	New for Critical Fixes Rollup 2
81828	Resolved a very rare issue that could cause the content to not load in certain HTML5 controls including the GridWorX Viewer, AlarmWorX64 Viewer, Asset Navigator, and the Recipe Grid.	Critical Fixes Rollup 1
82493	Resolved an issue on touchscreen devices that could result in buttons or controls getting "stuck", as if they were still being touched even when they were not. This would happen when multi-touch was invoked (i.e., processing more than one touch point at a time).	Critical Fixes Rollup 1
82829	Resolved two issues that could cause text to exceed the boundaries of its column in AlarmWorX64 Viewer and GridWorX Viewers or label in GraphWorX64. One of the resolved issues was specific to Firefox browsers, the other could have happened in any browser.	Critical Fixes Rollup 1

AlarmWorX64 Viewer

Ref ID	Description	First Available In
81262	The HTML5 AlarmWorX64 Viewer now supports the "Show Dialog" sub-command of the "Set Time Range" global command.	Critical Fixes Rollup 1
81702	The HTML5 AlarmWorX64 Viewer now supports the Time Zone setting on event points.	Critical Fixes Rollup 1
82146	Formatting of rows could be inconsistent if the total number of rows is greater than the visible number of rows and the styling involved transparent colors. This has been resolved.	Critical Fixes Rollup 1

EarthWorX

Ref ID	Description	First Available In
81180	Resolved an issue that may cause the EarthWorX Viewer to not correctly fill the space with tiles when zooming inside an embedded viewer.	Critical Fixes Rollup 1
81890	Resolved an issue where the box zoom feature would not work when the display was already at a very high zoom level. The box would be drawn, but the zoom would not occur. The zoom levels required to cause this issue were most likely to be reached when using an EarthWorX Viewer within an embedded GraphWorX64 Viewer, but it could happen in other cases as well.	Critical Fixes Rollup 1

Fault Viewer

Ref ID	Description	First Available In
82411	If the asset path specified for the Parent field in the Fault Viewer did not contain a trailing slash (example: ac:Parent instead of ac:Parent/) then the @@field.AssetPath context variable in commands could be missing a slash (example: ac:ParentChild instead of ac:Parent/Child). This has been resolved for all platforms - desktop (WPF), HTML5, and desktop (WPF).	Critical Fixes Rollup 1

GraphWorX64

Ref ID	Description	First Available In
84221	Resolved an issue that could cause popup menus to appear in the incorrect place.	New for Critical Fixes Rollup 2
84823	After using a modifier key (such as Ctrl and Shift) to execute a command that opened a new browser tab (such as OpenURL and certain Load Display commands), when the user went back to the original tab it would act like the modifier key was still pressed until it was pressed a second time. This has been resolved.	New for Critical Fixes Rollup 2

Ref ID	Description	First Available In
84934	When executed from inside an embedded display, Load Display commands configured with a target type of "Popup Window" and configured with positioning window properties would incorrectly replace the embedded display, even in browsers that support window positioning. This has been resolved - now these popup Load Display commands properly launch the popup in an additional browser window. In addition, Load Display commands configured as "New Instance" now launch as a popup window. Note that the popups described in this item are only supported on clients that support window positioning (i.e., desktop browsers). Clients such as mobile phones that do not support window positioning cannot launch popup windows this way and will still execute the Load Display command by replacing the embedded window.	New for Critical Fixes Rollup 2
85113	Using a smart symbol to bind the MinWidth property of an object would cause the HTML5 engine to crash. This has been resolved.	New for Critical Fixes Rollup 2
81796	The slider location dynamic incorrectly activated for the right mouse button. This is inconsistent with the desktop (WPF) implementation, which only activates the slider for the left mouse button. This behavior could prevent control context menus or pick actions keyed to the right mouse button from working. This has been fixed - the HTML5 slider location dynamic now behaves consistent with the desktop (WPF) implementation.	Critical Fixes Rollup 1
81890	Resolved an issue where the box zoom feature would not work when the display was already at a very high zoom level. The box would be drawn, but the zoom would not occur. The zoom levels required to cause this issue were most likely to be reached when using an EarthWorX Viewer within an embedded GraphWorX64 Viewer, but it could happen in other cases as well.	Critical Fixes Rollup 1
82108	When a location dynamic with a slider was applied to an object that had a scroll bar (such as a control or panel), moving the scroll bar also triggered the location dynamic's slide and moved the object. This has been resolved, making the behavior consistent with the desktop (WPF) implementation.	Critical Fixes Rollup 1
82242	When a parameter in a pick action was bound to a smart property using an expression in the Smart Binding Editor, smart properties used in the expression were not being properly resolved at the time the pick action was executed. This has been fixed.	Critical Fixes Rollup 1
82598	Checkboxes configured with the toggle value pick action and linked with a read-only data source would allow the user to check or uncheck them but would not execute the action. This has been resolved and is now consistent with desktop (WPF) - read-only toggle checkboxes do not allow the user to change the checkbox state.	Critical Fixes Rollup 1
82623	Pick action popup menu items configured with a "pick mode" of "radio button" could appear with all items selected instead of the correct item. These items also might not execute the pick action until they were selected twice. This has been resolved.	Critical Fixes Rollup 1
82917	Resolved a positioning issue with the Web Browser control that could cause it to draw on top of other components when in a dynamically sized panel.	Critical Fixes Rollup 1
83157	Resolved a rare issue that could sometimes prevent values resolving in cloned objects that used "valueof" expressions.	Critical Fixes Rollup 1
83336	Resolved issues causing inconsistent behavior when panning, horizontal scrolling, and the zoom box inside of embedded GraphWorX64 Viewers.	Critical Fixes Rollup 1

GridWorX Parity

Ref ID	Description	First Available In
82175	The HTML5 GridWorX Viewer now respects the "Allow Move Columns" setting. Previously columns were always allowed to be reordered regardless of this setting.	Critical Fixes Rollup 1

GridWorX Viewer

Ref ID	Description	First Available In
83470	Resolved issues that could prevent GridWorX Viewer charts from retrieving data from a remote FrameWorX server over a reverse networking connection. (Reverse networking is only used when the Platform Services Configuration > Basic tab > Reporting section is configured.)	New for Critical Fixes Rollup 2
84107	The X or Y axis title no longer needs to be surrounded by single quotes to appear.	New for Critical Fixes Rollup 2

Ref ID	Description	First Available In
84570	GridWorX categorical charts were not formatting labels before grouping to categories. This could cause unexpected grouping behavior. This has been resolved - the grouping should now be consistent with desktop (WPF) GridWorX charts.	New for Critical Fixes Rollup 2
81760	In the HTML5 GridWorX Viewer, all context variables in a command were erroneously converted to strings. This could cause some issues, especially for datetime or double values with certain regional settings. This has been resolved - context variables now retain their data type.	Critical Fixes Rollup 1
82254	When a GridWorX Viewer was configured with "Enable Commands on Events" and a Row Click event, it would not be possible to select a cell to edit its value in HTML5 displays. This has been resolved.	Critical Fixes Rollup 1
82459	When a row was edited in the grid, the grid was reset, and the view jumped to the top. This has been resolved for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1
82466	Resolved an issue preventing the GridWorX Viewer from updating data when virtual fields were configured. This fix was for all platforms - desktop (WPF), HTML5, and Universal Windows Platform (UWP).	Critical Fixes Rollup 1
82766	In the HTML5 GridWorX Viewer, writable columns with a type of integer could not accept NULL values. This has been resolved.	Critical Fixes Rollup 1
82990	If the cursor format property was set with an expression the cursor tooltips would sometimes not be displayed. This has been resolved.	Critical Fixes Rollup 1

Schedule Control

Ref ID	Description	First Available In
83464	The HTML5 schedule control would not respect the configure font size. This has been resolved.	New for Critical Fixes Rollup 2
82575	Addressed a layout issue in the Schedule Control that could cause it to not take up the appropriate amount of space if the weekly tab was configured as the starting tab.	Critical Fixes Rollup 1

Table Control

Ref ID	Description	First Available In
83799	Resolved an issue that could cause the last row in the table to be obscured by the horizontal scroll bar.	New for Critical Fixes Rollup 2

TrendWorX64 Viewer

Ref ID	Description	First Available In
83674	Resolved an issue that could cause the cursor to have an offset from where it was being dragged, or to jump after leaving the chart area.	New for Critical Fixes Rollup 2
85098	Resolved an issue causing the scrolling of the summary in the TrendWorX64 Viewer to jump unexpectedly and otherwise not match up as expected with the user's movement.	New for Critical Fixes Rollup 2
81844	The HTML5 TrendWorX64 Viewer now draws pens in the same z-order as the desktop (WPF) TrendWorX64 Viewer.	Critical Fixes Rollup 1
81874	The HTML5 TrendWorX64 Viewer can now correctly render historical data even if it is received as unordered samples. Previously it was only able to render historical data sorted by timestamp, and unordered samples could cause strange lines or incomplete rendering.	Critical Fixes Rollup 1
82594	When receiving a Create Pen pick action, the HTML5 TrendWorX64 Viewer would ignore the y-axis foreground color if it was a global color.	Critical Fixes Rollup 1
83000	The x-axis values on an HTML5 TrendWorX64 Viewer would not be displayed if automatic time alignment was enabled and the selected time period was close to one week. This has been resolved.	Critical Fixes Rollup 1
83023	The HTML5 TrendWorX64 Viewer now properly respects the Format parameter of the Create Pen command.	Critical Fixes Rollup 1

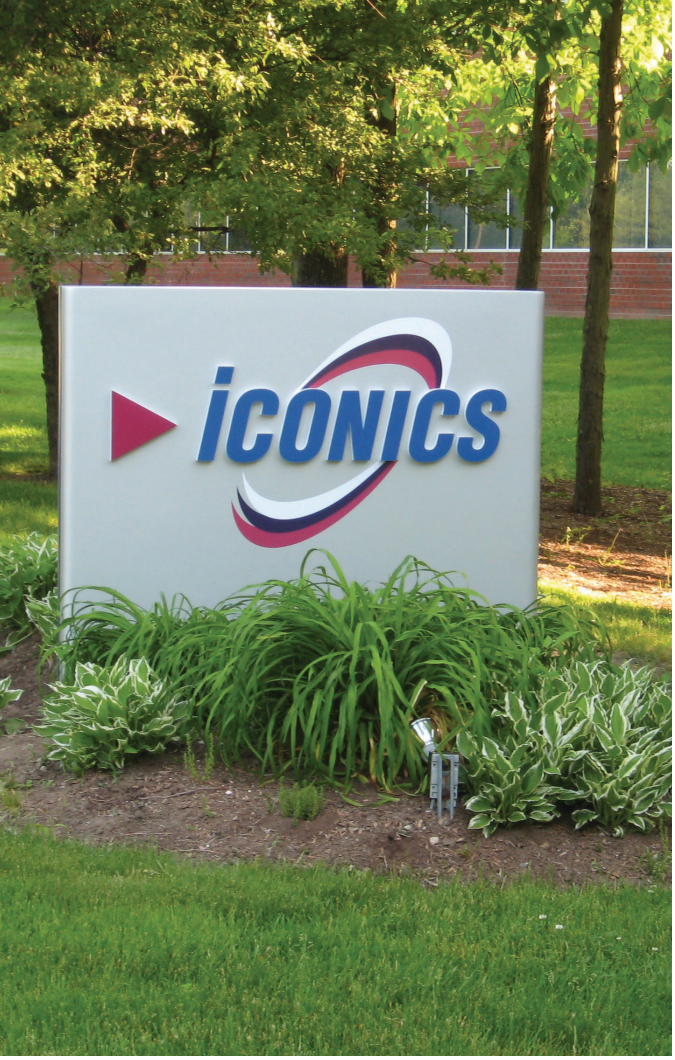
Security

Ref ID	Description	First Available In
81195	Resolved an issue preventing users from logging in on the mobile app when OIDC security is configured, a proxy is used for the public origin, and the proxy is forwarding to an address with a non-standard port number.	Critical Fixes Rollup 1

Known Issues & Limitations

Ref ID	Description
61479	Network discovery no longer works on operating systems with the latest updates. This is due to Microsoft removing the SMBv1 and Computer Browser services. These services were removed for security reasons, as they were being leveraged in ransomware and other malware attacks. See this Windows support article for more information on why these services were removed: https://docs.microsoft.com/en-us/windows-server/storage/file-server/troubleshoot/smbv1-not-installed-by-default-in-windows There are currently no alternative methods for ICONICS products to use for accurate and safe network discovery. ICONICS recommends that in lieu of automatic network discovery users can add servers manually under Platform Services > FrameWorX > Network Settings > FrameWorX Network or OPC UA Network. For OPC Classic servers, add them under Platform Services > FrameWorX > Server Settings > GenBroker64 Settings. For the channel type (most likely "OPC over TCP/IP"), select the "Configure Nodes" icon in the first column and add your server name or IP address as a node.
84054	After upgrading to this version from 10.97 (with no rollup) or 10.96.2 (with rollup 1 or no rollup), systems licensed with a GENESIS64 Basic SCADA license (zero Advanced Tag Counting license bits, as seen in the License Monitor on the Basic SCADA tab) that are configured with Tag Counting Mode set to Advanced (Platform Services Configuration > License Tab) may see their tags stop working with a status of "Bad – License Disabled" if those tags are coming from external sources (such as an OPC server, BACnet, Modbus, SNMP, etc.) and not configured as AssetWorX tags (AssetWorX point names start with "ac:"). If you think your system may encounter this issue, please contact your ICONICS sales representative or distributor before applying this critical fixes rollup. If you have already applied the rollup, you can temporarily uninstall it from Windows settings before contacting your representative or distributor.
77725	In the case that both the ICONICS Suite and CFSWorX standalone are installed on the same system, uninstalling one of them could damage the other installation. Either both products must be uninstalled, or the remaining product must be repaired. Note that CFSWorX features can be installed as part of the ICONICS Suite installation. This is the recommended configuration, rather than installing CFSWorX standalone. (GENESIS64 and Hyper Historian installations are ICONICS Suite installations with certain options preconfigured, so this issue and recommendation apply to those installations as well.)
76451	After updating the software license, including activating the trial license, the ICONICS License Service must be restarted for changes to the licensing to take effect. The License Utility will attempt to restart the License Service automatically, but if it cannot, such as if the License Utility lacks the necessary permission level, the user will need to restart the ICONICS License Service manually.
78056	On some systems, the ICONICS License Service may fail to start after a reboot, causing clients such as Workbench and GraphWorX64 to display keys or a license failure message. If this occurs, change the startup type of the service from Automatic to Automatic (Delayed) using the Services control panel. This was observed most often on Windows Server 2016 and Windows Server 2019.
79462	On Windows 7 and Server 2012 systems the ICONICS services can take an excessively long time starting (ten minutes or more). This can delay services necessary to allow connections via Remote Desktop or Hyper-V console, meaning it can take over ten minutes before the system can be accessed. The workaround for this issue is to change the startup type for some services to Automatic (Delayed). Use the Services control panel or the Configure Services dialog in Workbench to change any ICONICS service running as Automatic (except the ICONICS License Service) to Automatic (Delayed). The ICONICS License Service should be left as Automatic. The ICONICS services will still be slow to become responsive, but users will be able to remote into the system in the meantime.
79998	The format of AnalytiX-BI export files changed slightly at one point, making the export files before and after the update incompatible. This unfortunate change was required to resolve an issue. Attempting to import files using the old format will result in a "Cannot import item{\}. Error: Parent key not set correctly" error. As a workaround, the export files can be manually changed to be compatible with the new format. Follow these steps to update them: 1. Edit your export file in Excel or a text editor like Notepad. 2. Rename all "Data Flows" in entity paths to "DataFlows".

Ref ID	Description
	3. Rename all "Data Models" in entity paths to "DataModels". 4. Save the file. 5. Repeat the import. It should correctly import. These steps are required when exporting an AnalytiX-BI configuration from one of these versions: • 10.90 and any of its update packs • 10.95.x systems before 10.95.6.1 • 10.96.0 and its rollups And importing it into one of these versions: • 10.95.6.1 or later 10.95.x version • 10.96.1 or later (This information is also documented in the ICONICS Knowledgebase under article KB-3754.)
80636	On IoTWorX edge devices running Linux, if there is more than one NIC present the operating system determines which adapter is used to communicate with a given SNMP device. This means the Network Adapter setting for a network in the SNMP Workbench provider is ignored. If users are having problems exploring the network or communicating with an SNMP device on a system with more than one NIC, check the operating system's network settings.
81921	If the Takebishi DeviceXPlorer OPC Server (64-bit) version 6.x is installed after ICONICS Suite is installed, ICONICS Suite will be unable to browse for OPC UA servers. ICONICS recommends using Takebishi DeviceXPlorer OPC Server version 6.3.0, which does not have this issue. It is available for download as a software update and is included in the 10.97.1 ICONICS Suite installation media. See ICONICS Knowledgebase article KB-3771 for information on how to restore the browsing functionality on a system that has already been installed.
47824	Installing BizViz after AlarmWorX64 MMX will cause the call-out agent to be unable to play voice when it calls out. This does not happen if BizViz is installed first.
52673	The AlarmWorX64 Multimedia Configurator (Workbench Classic) does not support upgrading AlarmWorX64 Multimedia configurations contained in databases along with other ICONICS configurations (such as unified configuration databases). Please use the standard Workbench to upgrade these configurations.
79321	The AlarmWorX64 Multimedia task tray agent is no longer supported.
80808	GenEvent "value written to" events triggered from WPF applications running in Internet Explorer (such as Workbench running in Internet Explorer) will incorrectly show "GraphWorX64" as the client originating the event. Note that this will affect display and logging filters on the source of GenEvents. For example, events filtered to only show GraphWorX64 events will also show "value written to" events from Workbench running in Internet Explorer, and events filtered to only show Workbench events will not show these "value written to" events from Workbench in Internet Explorer. This is resolved in version 10.97 or later.
46650	There is a known issue that may cause the TrendWorX32 Logger configurator to become unable to connect to the TrendWorX32 Logger Engine when running GENESIS32 and GENESIS64 together and after uninstalling GENESIS64. A reregistration of the TrendWorX32 Logger will mitigate this issue.
72897	When an internet connection is re-established after an internet disconnection, it may take about 15 minutes to re-create the connection between the EdgeHub module running on the edge device and the IoT Hub running in the cloud. Note that no data should be lost in this situation. Data will be buffered and resent when the connection to the IoT Hub is made.
58862	The BACnet trend buffer is not synchronized correctly (creating a gap in the historical trend) when the Hyper Historian Logger Service has been stopped for a period of time (at least 15 minutes, but more likely to happen the longer the logger has been stopped).
69596	Users upgrading an IoT Collector configuration from 10.95.x to this version should reconfigure their Hyper Historian tags in the following manner: tags should be placed within a folder that has a name matching the DeviceID of the IoTWorX device collecting the tags.
68302	Loading a KPIWorX dashboard with the "Current Day" preset selected in the Calendar widget will display as a custom range instead of the preset. The range will still be the correct day, however.
63359	Esri maps are currently not supported in HTML5.
55389	There is a known Workbench issue where the user may not be able to replace a tag when a form is maximized. To work around this, the user can drag and drop the tag, manually enter it, or copy and paste it.
81025	When using PowerShell cmdlets to add energy calculations to meter tags, the related AssetWorX equipment properties (including their connection to Hyper Historian) are not automatically created. The user will have to create these properties manually or with additional PowerShell cmdlets.



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