

ICONICS 10.97.1

Critical Fixes Rollup 3

Resolved Issues | **ICONICS Suite™**

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Introduction to Release Notes for 10.97.1 Critical Fixes Rollup 3

This edition of Release Notes documents the changes made for 10.97.1 Critical Fixes Rollup 3. 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.

"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 may not be found in this document. For this information, refer to iconics.com/cert.

Common & Platform Services

Ref ID	Description	First Available In
89185	Resolved a rare deadlock on the Web Socket communication layer. This deadlock could cause services (such as FrameWorX, GridWorX/Databases, or AnalytiX-BI) to stop communicating or leak memory.	New for Critical Fixes Rollup 3
90086	Various enhancements to improve the security of the software.	New for Critical Fixes Rollup 3
90088		
90089		
90090		
90091		
90092		
90314		
90087		
89588		
89733		
90452		
89591		
87666	Added a new Control and Diagnostics point, :ClientIPAddress. This point shows the IP address of the client. It works with both WPF and HTML5 clients.	Critical Fixes Rollup 2
88551	Note, ICONICS highly recommends against using this point to secure any sensitive information or functionality, as it may be possible for a client application to override this value or for the system to spoof the IP address. As a best practice, security should be implemented on the server side using the ICONICS security server.	
88155	The About Box now shows the Critical Fix Rollup version instead of just "10.97.1".	Critical Fixes Rollup 2
88783	Resolved a crash in certain applications that could occur when the application read a data point that did not start with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data Manager, DataSpy, and AlarmWorX64 Multimedia. 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.	Critical Fixes Rollup 2
86914	<ul style="list-style-type: none"> * 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 	Critical Fixes Rollup 1
86950		

Commanding

Ref ID	Description	First Available In
87635	When using the Edit Pen command, the HTML5 TrendWorX64 Viewer did could not find the pen by name, only by index. This has been resolved.	Critical Fixes Rollup 2
	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.	
87368	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:	Critical Fixes Rollup 1
	myStatVar=1;anotherVar=5;	
	{{x="myStatVar="+ "<localAlias>"+";"}}	

Ref ID	Description	First Available In
	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	First Available In
87809	Resolved an issue causing Global Aliases to be missing under the Platform Services tree in the data browser.	Critical Fixes Rollup 2
88278	Resolved an issue in the Data Browser that appeared in 10.97.1 Critical Fixes Rollup 1 which would cause applications such as GraphWorX64 or Workbench to hang in task manager after they were closed if the pop-up Data Browser had been used.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

FrameWorX

Ref ID	Description	First Available In
89277 89302	Resolved connection issues with FrameWorX node pairs that had auto-failback disabled. Issues might include nodes incorrectly showing as offline in MonitorWorX Viewer or failure to get data via the FrameWorX alias.	New for Critical Fixes Rollup 3
89550	On a system using reverse networking (configured in Platform Services Configuration > Basic tab > Reporting section) and a FrameWorX node pair or server alias (configured under Workbench > Platform Services > FrameWorX > FrameWorX Network, tags using the server name defined in FrameWorX Network could stop showing data and have a status/quality of "Bad – Communication Error". This has been resolved.	New for Critical Fixes Rollup 3
89743	Resolved a rare crash (System.InvalidOperationException) of ICONICS FrameWorX and ICONICS Simulator Point Manager services on startup.	New for Critical Fixes Rollup 3
90085	When using a reporting server (configured in Platform Services Configuration > Basic tab > Reporting section), if the reporting server went offline, tag handles might not be properly deleted, leading to warnings in the FrameWorX Server TraceWorX log and a memory leak in FrameWorX Server. This has been resolved.	New for Critical Fixes Rollup 3
87543	Resolved a rare license failure that could occur due to extra newlines in the FwxServer.Network.config file inside empty attributes. These newlines could also have caused custom GenEvent messages defined in FwxServer.Network.config to appear blank in runtime. The newlines may still appear, but no longer cause any issues.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

Installation

Ref ID	Description	First Available In
88953	When running the Configure System utility to change the identity of ICONICS services from a normal user to a Managed System Account (MSA) or vice versa, the ICONICS Hyper Historian RawData Provider Host (HHRawDataProvider) service's user would not be correctly changed and would remain running as the previous user. This has been resolved.	New for Critical Fixes Rollup 3

Ref ID	Description	First Available In
88102	The Hyper Alarm Server provider was missing in Workbench after installing 10.97 with a custom installation and only the "Client" modules selected. This has been resolved. The Hyper Alarm Server should appear in Workbench as expected after applying this rollup.	Critical Fixes Rollup 2
88906	The Configure System utility (which is utilized in the installation and can be launched standalone) would always fail when using a Managed System Account (MSA) account. This has been resolved.	Critical Fixes Rollup 2

Language Aliasing

Language Aliasing Workbench Provider

Ref ID	Description	First Available In
88760	After upgrading a language aliasing database from an older version, users may encounter an "Object reference not set to an instance of an object" error when attempting to edit language aliases. This has been resolved.	Critical Fixes Rollup 2
86827	The Language Aliasing provider now correctly alerts the user when invalid characters are used in alias names or if the name is longer than the allowed limit of 255 characters.	Critical Fixes Rollup 1

Licensing

Ref ID	Description	First Available In
90940	For the purposes of licensing, point names with different capitalization were incorrectly counted as different points. This means the same physical tag could have been counted several times. Now capitalization is correctly ignored for the purposes of counting licensing points.	New for Critical Fixes Rollup 3
87552	When using the Reserved License feature, AlarmWorX64 Server and AlarmWorX64 Logger would not be able to use a reserved license when there was only one available reserved license left. This has been resolved.	Critical Fixes Rollup 2

OPC UA

Ref ID	Description	First Available In
89541	<p>Added a new parameter to the OPC UA point manager called ConvertEUInformationToStruct. This parameter defaults to false. When it is set to true, EngineeringUnits tags will be interpreted as structures, allowing access to members (such as DisplayName, Description, or UnitId). When it is left as false, EngineeringUnits is interpreted as a string and returns only the DisplayName (which is consistent with the behavior from previous versions).</p> <p>In order to set this parameter the first time, users will need to edit FwxServer.PointManagers.config, find the FwxServerOuterUa section, then add this inside the <Params> section:</p> <pre><Param> <Name>ConvertEUInformationToStruct</Name> <Value xsi:type="xsd:boolean">true</Value> </Param></pre> <p>Once the parameter has been added to the config file it can be changed in Platform Services Configuration on the Point Managers tab.</p>	New for Critical Fixes Rollup 3
88218	Improved the speed of requesting OPC UA points. This is most noticeable for very large numbers of points (in the thousands) all subscribed at once, such as upon startup.	Critical Fixes Rollup 2
88286	In certain circumstances, OPC UA write requests could become stuck in a queue and never be committed or would be committed much later than expected. This was more likely to happen when many writes were executed at the same time. This issue has been observed in BridgeWorX64 when executing many OPC UA writes at once, but it could have occurred in other OPC UA client applications performing writes.	Critical Fixes Rollup 2
88710	Resolved an issue that could cause FrameWorX to slow or become unavailable for several seconds when writing to OPC UA servers that may have a slow or limited connection.	Critical Fixes Rollup 2

Project Reporting

Ref ID	Description	First Available In
88140	The Runtime Use Report would generate with no data. This has been resolved.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
87277	Value and Status columns have been added to these Assets reports: Dynamic Tags, Expressions, Polled Dynamic Tags, and Static Values.	Critical Fixes Rollup 1

Redundancy

Ref ID	Description	First Available In
88459	Resolved an issue that could cause redundant servers to not appear or appear as offline in MonitorWorX's Redundancy tab even though they were functioning and actively providing data. In some cases, the servers would appear once they were browsed in the Data Browser.	Critical Fixes Rollup 2

Security

Ref ID	Description	First Available In
87977	The AddUser action of the Configure Security command did not function (the user was not added to the given group). This has been resolved.	Critical Fixes Rollup 2
87133	When using security in Azure Active Directory mode, user permissions were not being properly applied from nested groups. This has been resolved.	Critical Fixes Rollup 1

Tools

Bulk Asset Configurator

Ref ID	Description	First Available In
88697	If the Excel sheet used for the Bulk Asset Configurator input was configured to show the phonetic field (an Excel feature), the characters from this field would be included in the assets and objects created by the Bulk Asset Configurator. This has been resolved - the phonetic field characters are no longer used if that field is visible.	New for Critical Fixes Rollup 3

Unified Data Manager

Ref ID	Description	First Available In
88783	Resolved a crash in certain applications that could occur when the application read a data point that did not start with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data Manager, DataSpy, and AlarmWorX64 Multimedia.	Critical Fixes Rollup 2

AnalytiX

AnalytiX-BI

Ref ID	Description	First Available In
88677	Self-referencing views (such as a view named "View" with a query of "SELECT * FROM view") no longer crash the AnalytiX-BI server.	New for Critical Fixes Rollup 3
88941	Collations in a query will no longer cause parse errors if the collation name contains upper-case characters.	New for Critical Fixes Rollup 3
89863	Resolved a memory leak that could happen when using the "Update and insert" trigger.	New for Critical Fixes Rollup 3
90564	<p>Queries that are upgraded from version 10.97 or and may produce different automatic column names than they did in their original version. This has been resolved.</p> <p>Example, this query, "SELECT ISNULL(Categories.CategoryID, 0)", in 10.97 would produce a column named "CategoryID", however after upgrading to 10.97.1 it produced a column name of "expr000".</p> <p>Note that queries created new in 10.97.1 or later (not upgraded) will produce the new style column names. The intent was that queries from previous versions should not have their behavior changed when being upgraded, even if the same query created new might produce a different result due to enhanced query logic in the new version.</p>	New for Critical Fixes Rollup 3
90567 88541 89196 90128 90132 90133 90225 90361 90506 90551 90616	Resolved a number of issues that could cause queries to fail or return incorrect results.	New for Critical Fixes Rollup 3
90866	Resolved a rare crash in the BI server that could occur when executing queries involving joins.	New for Critical Fixes Rollup 3
87020	When security is enabled, the AnalytiX-BI server will not read or return any data. This has been resolved.	Critical Fixes Rollup 2
87570	Resolved a rare deadlock that could cause data flows and data models to suddenly start showing bad quality after running for a period of time. When this issue occurred, the BI Server would be unresponsive and needed to be restarted. This issue would only happen on systems where security was enabled and "BI -> FWX" credentials were configured in Platform Services Configuration on the Passwords tab.	Critical Fixes Rollup 2
87623	Implicit joins involving a view would fail. Note that KPIWorX uses implicit joins, so this issue could have resulted in KPIWorX returning no data for AnalytiX-BI queries involving at least one view and another view or table.	Critical Fixes Rollup 2
88468	Resolved an issue that could cause triggers to not fire during runtime. When this issue would occur, an error along the lines of "Error while creating trigger..." will be posted to the TraceWorX log. This issue could also have caused the AnalytiX-BI service to raise an error and crash while shutting down.	Critical Fixes Rollup 2
88509	Previously, having a view with more than one column with the same name (such as a view with this query: "SELECT CategoryID, CategoryID FROM Categories") would cause the AnalytiX-BI server to crash. Now, the AnalytiX-BI point manager will disable views that return multiple columns with the same name. A message will be posted to TraceWorX to explain why the view was disabled.	Critical Fixes Rollup 2
86621	Made an improvement in the performance of queries that use subqueries.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1

Ref ID	Description	First Available In
86656	The totimezonetime() function would cause an "unsupported data type" error when used as part of a query. This has been resolved.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
87263	Improved grouping performance, especially when grouping by a string column.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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).	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1

AnalytiX-BI Workbench Provider

Ref ID	Description	First Available In
89199	In previous versions, when testing a query with parameters, Workbench would substitute the parameter value as a string, even if the parameter was a different type. Now, Workbench explicitly casts the parameter's test value to the appropriate type, which creates a more accurate test query. This issue may have caused errors when testing in certain circumstances, such as if the query contained both non-string parameters and a UNION.	New for Critical Fixes Rollup 3

BridgeWorX64 & Workflow

BridgeWorX64 Server

Ref ID	Description	First Available In
89230	Resolved an issue causing BridgeWorX64 to consume one extra transaction license. This issue could have caused a transaction to not execute due to insufficient licensing if the system was configured to use the maximum number of transactions allowed by their license.	New for Critical Fixes Rollup 3
88286	In certain circumstances, OPC UA write requests could become stuck in a queue and never be committed or would be committed much later than expected. This was more likely to happen when many writes were executed at the same time. This issue has been observed in BridgeWorX64 when executing many OPC UA writes at once, but it could have occurred in other OPC UA client applications performing writes.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

BridgeWorX64 Workbench Provider

Ref ID	Description	First Available In
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.)	Critical Fixes Rollup 1

Workflows Workbench Provider

Ref ID	Description	First Available In
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.)	Critical Fixes Rollup 1

CFSWorX

General

Ref ID	Description	First Available In
88647	Connected Field Service Workflows were not being triggered on systems upgraded from 10.97 or earlier when the CFSWorX Workflows Point Manager was configured to run in-process. This has been resolved.	New for Critical Fixes Rollup 3
88790	When a worker lookup was configured with "Send to all Workers at same time", the activity that consumed the worker list (such as Twilio Message) may have sent the message to the "To address" configured in the activity for all messages, rather than the contact info of each worker. This has been resolved.	New for Critical Fixes Rollup 3
89113	If a worker's "Enable on Tag" field was configured to be an AssetWorX property, the worker would always be disabled when the CFSWorX engine started, even if the AssetWorX tag had a value of true. CFSWorX would have to be running while the tag transitioned from false to true in order to properly enable the worker. This has been resolved. Note, while this issue was most commonly seen with AssetWorX tags, it could have happened with other tags as well under specific circumstances.	New for Critical Fixes Rollup 3
89878	If a worker's Alarms tab contained an alarm string that included a remote node (such as "@\\Server\\ICONICS.AlarmSvr.1\\Plant Area B"), that worker would not be notified. This has been resolved.	New for Critical Fixes Rollup 3
89919	Resolved an issue causing the Repeat Contact List activity to sometimes return an empty worker list. This issue would have been more likely to happen if the Worker Lookup activity that preceded the Repeated Contact List activity had the "Send to all Workers at Same Time" option enabled.	New for Critical Fixes Rollup 3
90781	Resolved an issue preventing CFSWorX workflow configurations from subscribing to GenEvent. Attempting to subscribe to GenEvent in the past would result in this message in TraceWorX: "Cannot retrieve the source value. There isn't any field with the event type name and the field name specified".	New for Critical Fixes Rollup 3
87947	When using the SendGrid Email or Sendinblue Email notification blocks, if more than 255 characters were entered into the To, Cc, or Bcc address fields (such as when entering multiple email addresses), the email would be sent normally but would not be logged. For SendGrid, this failure to log the outgoing message would have prevented acknowledging the triggering alarm, as the system could not find the original message in its log and did not know what should be acknowledged. (Note that Sendinblue does not support acknowledgement, so this issue was less apparent with Sendinblue.) This has been resolved.	Critical Fixes Rollup 2
88308	Resolved a rare crash of the ICONICS Connected Field Worker Workflow Scheduling Service (IcoCFSWFWScheduling.exe).	Critical Fixes Rollup 2
88707	Resolved a rare crash of the ICONICS Connected Field Worker Workflow Point Manager (FwxCFSWFService.exe).	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1

CFSWorX Workbench Provider

Ref ID	Description	First Available In
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.)	Critical Fixes Rollup 1

Energy AnalytiX

Ref ID	Description	First Available In
87740	Delta counter meters with rollover will now ignore abnormally high meter values (20% above the meter-configured rollover value).	Critical Fixes Rollup 2
87816	Added protection to meter counters so they ignore negative consumption values coming from the meter.	Critical Fixes Rollup 2
87870	Improved the behavior of normalized energy consumption when historical data (especially imported historical data) is sparse or there are long periods between updates. Previously, the calculation may have treated these sparsely updated values as zero when there was no sample in range for the calculation. Now, the calculation is better able to find the last logged value even when it falls outside the calculation range. Users may want to ensure their data is recalculated for these sparse periods after applying this update in order to fully benefit from this enhancement.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

Facility AnalytiX & FDDWorX

Ref ID	Description	First Available In
89308	Previously, when a fault rule expression produced a null or empty value, it would be evaluated as false. This could lead to faults being cleared and re-triggered if there was a network interruption or other brief situation that caused bad quality. Now, null or empty values are not converted to either true or false, causing the fault to remain with its previous state. Users are recommended to use the IFQ expression instead of IF in their fault rule expressions and enabled expressions. Example: x= IFQ (_condition_) THEN 1 ELSE 0	New for Critical Fixes Rollup 3
90377	Resolved an issue that would cause the SourceFaultDeactiveTime of a fault instance to show null if changes were made to the fault while the FDDWorX service was stopped. (The FaultDeactiveTime would change as expected.) Note that deleting a fault while the service was stopped may still result in a null SourceFaultDeactiveTime.	New for Critical Fixes Rollup 3
90668	The FaultIncidentsAdvancedRecovery INI entry (used to continue faults using "trueforduration" after a server restart) did not function as of version 10.97.1. This has been resolved.	New for Critical Fixes Rollup 3

Fault Viewer

Ref ID	Description	First Available In
89517	Displays created in 10.97.0 or earlier would lose the automatic width setting of columns in the Table Control or Fault Viewer after the viewer was edited and saved in the new version. This has been resolved, but only for displays that are newly upgraded. Displays that were already saved in a version that had this issue will have permanently lost their automatic width configuration and will need to be reconfigured.	New for Critical Fixes Rollup 3
88523	When in a grouped view, such as "Fault Statistics", the timeline grouping was incorrectly stacking up between rows, leading to lower rows showing an incorrect amount of active time. Rows far enough down could show completely full (active all the time). This has been resolved.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

ReportWorX64 & ReportWorX64 Express

Common

Ref ID	Description	First Available In
90842	The number of columns allowed in a single data source has been increased. It should now be possible to create data sources with the maximum number of columns supported by Excel in a single worksheet.	New for Critical Fixes Rollup 3
87662	If ReportWorX64 Server generated a report that contained data sources that returned no data, then the user tried to open that Excel sheet on a system with the ReportWorX64 Excel Add-in enabled, errors would appear such as: "The template is in data mode, but the data source cannot be loaded properly because it is missing the coordinates of its data area." This has been resolved.	Critical Fixes Rollup 2
87861	When ReportWorX64 Server generated a report, only the formulas defined in custom columns were calculated when the report was saved. Formulas elsewhere in the workbook would not be calculated. This was not generally noticeable when opening an XLSX report in Excel, as Excel would recalculate the values automatically when the file opened, but XLSX reports opened in "preview mode" or reports in other formats such as HTML or CSV would not show the correctly calculated values. This has been resolved.	Critical Fixes Rollup 2
88079	If a dataset included columns with names that included a colon, those columns would not be populated with data in the final report. Most notably, this issue affected additional fields that could be added to a Hyper Alarm Logger subscription. This has been resolved.	Critical Fixes Rollup 2
88152	When parameters were used in ICONICS expressions (such as when used in another parameter), the parameter was not always evaluated correctly, causing the expression to return an incorrect result. This has been resolved. The specific cases that were addressed involved using a datetime parameter in an expression and referencing string parameters via two or more layers (for instance, <<param0>> was used in the expression for <<param1>> which was in turn used in the expression for <<param2>>, and all three were string parameters).	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

ReportWorX64 Express & Excel Add-In

Ref ID	Description	First Available In
89118	If an HDA data source was configured using a tag containing a wildcard (*), no data would be retrieved. This has been resolved.	New for Critical Fixes Rollup 3
90172	On systems where the culture used by Excel and the culture used by the operating system had different date formats, datetime fields in data sources and parameters may interpret the date incorrectly or use default values. This has been resolved.	New for Critical Fixes Rollup 3
87736	Addressed two errors that could cause this error message to appear when editing a previously saved template: "An error occurred during the execution of the operation, the error was caused by an internal error of Excel; you should be still able to edit your template, in case of error try to open again the template."	Critical Fixes Rollup 2

Ref ID	Description	First Available In
	<p>The first resolved error would occur if the worksheet name contained special characters or spaces.</p> <p>The second resolved error involved a parameter cell mapping that was defined internally in an unexpected way. We are not clear what caused this oddity in the definition, but ReportWorX64 now accepts it without errors.</p>	
87883	Charts created by ReportWorX64 (Edit > Chart Settings) would sometimes place all samples for the same day on the same X position. For example, when reporting on hourly historical data, all the hourly samples for one day would be plotted over the same label for that day. This has been resolved.	Critical Fixes Rollup 2
88000	When configuring a parameter's default value, the form would not allow the user to apply the changes if the value was an expression including a tag. This has been resolved.	Critical Fixes Rollup 2
88185	If the ReportWorX64 Excel add-on was enabled, opening certain templates would cause Excel to become unresponsive. This has been resolved. Templates that previously caused this issue will now perform as expected with no freezing.	Critical Fixes Rollup 2
88191	Editing any data source to reduce the number of headers (such as changing the tag to one with fewer columns or changing a Hyper Historian data source from Advanced to Simple column style) then saving and reopening the file would result in a Microsoft Excel message appearing that said, "We found a problem with some content in '<file name>'. Do you want us to try to recover as much as we can? If you trust the source of this workbook, click Yes." This issue has been resolved. (Note, selecting "Yes" to the message would have successfully recovered the template with no data loss.)	Critical Fixes Rollup 2
88409	When downloading data in the Excel add-in, formulas in the anchor row were not correctly updated if the formula used a range of cells (example: "=SUM(A4:B4)") where the range did not match the range of the data source column above it. This has been resolved.	Critical Fixes Rollup 2
87032	In the ReportWorX64 ribbon, the "Hide header" checkbox was erroneously labeled "Open lateral data browser". This has been resolved.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
87471	Resolved an issue preventing parameters from being added to templates on systems using Russian localization. The parameters form appeared empty and grayed out.	Critical Fixes Rollup 1

ReportWorX64 Server

Ref ID	Description	First Available In
88538	Data sources configured without headers could miscalculate formulas in the anchor row. This has been resolved.	New for Critical Fixes Rollup 3
87936	Formulas in anchor rows of data sources without headers were not properly expanded when the data source was populated. The formulas would be properly updated when downloading the data directly in Excel, but not when executing the report from ReportWorX64 Server. This has been resolved.	Critical Fixes Rollup 2
88146	Reports executed through the ReportWorX64 Service would not respect the "Date Time Format" or "Double Format" properties configured in the data source. This has been resolved.	Critical Fixes Rollup 2
87247 87246	Resolved an issue that would prevent Send Email redirector commands from sending.	Critical Fixes Rollup 1

Data Connectivity

BACnet Connector

BACnet Classic

Ref ID	Description	First Available In
89843	The BACnet EDE Generator (IcoBACnetEdeGenerator.exe) would display this error when using a BACnet Classic configuration: "IcoBACnetEdeGenerator Error: BACnet Channel information is not available. Check configuration database." This has been resolved. Note that the BACnet EDE Generator now only works with BACnet Classic configurations, not with the BACnet with SC technical preview configuration.	New for Critical Fixes Rollup 3
88202	Resolved an issue that could prevent the BACnet point manager from resubscribing to tags at the configured re-subscribe COV period. This issue would occur after the device had gone offline and then back online again.	Critical Fixes Rollup 2

GridWorX (Databases)

GridWorX Server

Ref ID	Description	First Available In
89937	When inserting rows into a GridWorX Server data source (most often done with a GridWorX Viewer), if the data was being inserted into a table with a primary key that was set to auto-increment, the data would be correctly inserted into the database, but the primary key value could be erroneously shown on the client as a very large number. This has been resolved.	New for Critical Fixes Rollup 3

GridWorX Viewer

Ref ID	Description	First Available In
88929	The data in GridWorX data sources was not updatable in the Data Explorer. This has been resolved. This issue may have also occurred in a GridWorX Viewer if the viewer's subscription was changed in runtime mode. It was also resolved in this case.	New for Critical Fixes Rollup 3
87695	Users were unable to edit the command configured for a virtual field. When attempting to edit the command, it would look as if the user were adding a brand-new command. This issue affected both the AlarmWorX64 Viewer and GridWorX Viewer and has been resolved for both controls.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
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.)	Critical Fixes Rollup 1

Mitsubishi Electric Factory Automation (FA) Connector

Ref ID	Description	First Available In
89416	Resolved an issue causing the Mitsubishi Electric FA Connector to write unexpected values for continuous registers.	New for Critical Fixes Rollup 3
90041	Resolved a crash (System.IO.FileLoadException) in the Mitsubishi Electric FA Connector.	New for Critical Fixes Rollup 3
87656	Resolved an error that would occur when connecting to a Q02U device.	Critical Fixes Rollup 2
87970	When multiple bit registers are set as tags, only one tag would be updated in clients. This has been resolved.	Critical Fixes Rollup 2

Modbus Connector

Ref ID	Description	First Available In
88211	Enhanced the performance of the Modbus point manager. This performance enhancement will be most noticeable with configurations of 1,000 or more points and those with multiple clients connected.	Critical Fixes Rollup 2
88660	Resolved a crash of the Modbus Point Manager. The crash exception was: "FileLoadException : Could not load file or assembly 'System.IO.Ports'".	Critical Fixes Rollup 2

SNMP Connector

Ref ID	Description	First Available In
88186	Resolved an issue causing connections (publisher and subscriber) to MQTT Sparkplug brokers to fail when configured to use the Web Sockets protocol.	Critical Fixes Rollup 2

Web Services Connector

Ref ID	Description	First Available In
90325	Resolved an issue preventing children of a web manipulator's @@Data tag from getting data. The @@Data tag itself would work, but it was impossible to drill down to individual properties of the result.	New for Critical Fixes Rollup 3

GENESIS64

Alarms and Notifications

AlarmWorX64 Multimedia

Ref ID	Description	First Available In
90575	Added support for OAuth 2.0 when connecting to email servers over SMTP.	New for Critical Fixes Rollup 3
90890	Resolved an issue that could occur when using multiple email agents for more than one SMTP service. AlarmWorX64 Multimedia's agent may have chosen the wrong TLS level to establish a connection to the SMTP server, causing a connection failure due to a mismatch of this security protocol.	New for Critical Fixes Rollup 3
88783	Resolved a crash in certain applications that could occur when the application read a data point that did not start with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data Manager, DataSpy, and AlarmWorX64 Multimedia.	Critical Fixes Rollup 2

AlarmWorX64 Server

Ref ID	Description	First Available In
88031	Configuration changes that disable alarms often cause a notification update. When this update occurs the default subcondition, Rate of Change, was used. Now, instead of Rate of Change, a subcondition associated with the alarm type is used instead. (For example, limit alarms will use "lolo".)	Critical Fixes Rollup 2
88783	Resolved a crash in certain applications that could occur when the application read a data point that did not start with the @ symbol and was of type TimeSpan. The crashing applications included AlarmWorX64 Server, Unified Data Manager, DataSpy, and AlarmWorX64 Multimedia.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
87117	When the IgnoreQualityChange INI entry was set to 1, updates with some uncertain quality states were not properly ignored. This has been resolved.	Critical Fixes Rollup 1

AlarmWorX64 Viewer

Ref ID	Description	First Available In
89419	Having a significantly long expression could make the Configure Alarm Filter dialog taller than the available screen space, making it impossible to access parts of the form, including the OK and Cancel buttons. This has been resolved.	New for Critical Fixes Rollup 3
90624	When making changes to an alarm viewer's subscription (such as when changing a global alias used in the subscription or configuration file), sometimes individual alarms would fail to be displayed due to a timing issue. This has been resolved.	New for Critical Fixes Rollup 3
90755	Added a new property, EnableBeepCompatibility, to the Advanced tab of the AlarmWorX64 Viewer (at the viewer level). This property defaults to false, which is consistent with the behavior in previous versions. When EnableBeepCompatibility is set to true, the viewer will be unable to use custom sounds for individual conditions. Only one custom sound can be used, the sound specified in the CustomBeepFileLocation property of the control (at the viewer level). (When EnableBeepCompatibility is set to false, CustomBeepFileLocation is ignored.)	New for Critical Fixes Rollup 3

Ref ID	Description	First Available In
	User may want to set EnableBeepCompatibility to true if their AlarmWorX64 Viewer tends to be left open for long periods of time while playing sounds, as this situation may cause a small memory leak. The memory leak is small enough that it will not have any noticeable effect on most systems. ICONICS is investigating a resolution of this leak that will allow multiple custom sounds, but in the meantime this property can be used to mitigate the leak on systems that may be affected by it.	
90762	Resolved an issue that could cause a freeze or hang of the display when downloading many historical alarms.	New for Critical Fixes Rollup 3
87695	Users were unable to edit the command configured for a virtual field. When attempting to edit the command, it would look as if the user were adding a brand-new command. This issue affected both the AlarmWorX64 Viewer and GridWorX Viewer and has been resolved for both controls.	Critical Fixes Rollup 2
87766	Null values in virtual DateTime fields were being rendered as 0001-01-01 0:00 instead of a blank value. This has been resolved.	Critical Fixes Rollup 2
87097	<p>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.</p> <p>Also, only the ActiveTime and Time fields were being converted into the proper time zone. This was resolved as well.</p>	Critical Fixes Rollup 1

AlertWorX

Ref ID	Description	First Available In
88813	Resolved an issue that would prevent the alert archiving from running.	New for Critical Fixes Rollup 3
	Systems upgraded from an earlier version may fail to log SMS, Voice, or WhatsApp messages. These logs are used for alarm acknowledgement, so users would be unable to acknowledge alarms via these methods. This has been resolved.	
89547	<p>When the issue occurred, this message would appear in TraceWorX whenever the system attempted to log one of these messages:</p> <p>Cannot log the message details Following exception occurred: Invalid column name 'BaseEventTypeSourceName'. Invalid column name 'BaseConditionTypeConditionName'.</p>	New for Critical Fixes Rollup 3
90520	Added support for OAuth 2.0 when connecting to email servers over SMTP.	New for Critical Fixes Rollup 3
87772	Resolved an issue in AlertWorX email or SMS/text alarm subscription alerts where alarm fields were not resolved if there were two or more attributes in the same field.	Critical Fixes Rollup 2
87959	The Subject and Message fields of AlertWorX Message Templates allowed for browsing an alarm field and inserting a tag, but neither of these options created a usable expression for these fields. This has been resolved - the "Browse tags" and "Add alarm field" links were replaced by an "Expression editor" link that helps the user properly create an expression usable in Message Templates.	Critical Fixes Rollup 2
88432	AlertWorX email nodes would still send messages from the attached alarm subscriptions even when the "Enable the email node" box was unchecked. This has been resolved.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

Hyper Alarm Logger

Ref ID	Description	First Available In
88486	Resolved a rare exception that could cause the Hyper Alarm Logger to crash immediately after being started some of the time. This exception would appear in TraceWorX as this severe error: "NullReferenceException : Object reference not set to an instance of an object."	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1

AssetWorX

Ref ID	Description	First Available In
87729	When using AssetWorX Tag Counting mode (used with GENESIS64 Basic SCADA), alarms created directly on AssetWorX properties using the Alarm tab would not function. These alarms worked fine when using Advanced Tag Counting mode. This has been resolved.	Critical Fixes Rollup 2
87974	Writing a value into an AssetWorX equipment property tag whose Real-Time Data tag was configured with "None" as the Source Type would cause a crash in AssetWorX. This has been resolved.	Critical Fixes Rollup 2

Asset Navigator

Ref ID	Description	First Available In
88889	<p>In situations where there were native features of the Asset Navigator that took action on the same trigger as a command (for example, the "Path Storage" native feature stores the selected asset to a global alias when the path changes, and there may also have been commands configured to execute when the path changes), the command would be triggered first, followed by the native feature of the navigator. This was inconsistent with the desktop (WPF) implementation, which triggered the native features first, followed by any commands. The HTML5 implementation has been changed to be consistent with the desktop (WPF) implementation, so the native features are now triggered first.</p> <p>However, note that due to the asynchronous nature of some of these actions, there is still no guarantee that one action will finish before the next action is executed. (So, in the example above, the navigator will instruct global aliases to update its value before executing the configured command, but in some cases the global alias may still not have the updated value before the command is executed.) If users are in a situation where one action must complete before another should execute, they are encouraged to use batch commands to perform both actions instead of using native navigator functionality. Batch commands can be configured to wait for one command to complete before proceeding to the second. This recommendation applies to both WPF and HTML5 platforms.</p>	New for Critical Fixes Rollup 3

AssetWorX Workbench Provider

Ref ID	Description	First Available In
88688	Resolved an issue that would prevent an AssetWorX configuration export from being imported into another configuration if the export contained asset properties whose Historical Data tab was configured with one of the Hyper Historian source types.	New for Critical Fixes Rollup 3

Controls

Camera Control

Ref ID	Description	First Available In
88778	Resolved an issue that could cause the camera control to ignore parameters specified in the video URL. This would most often affect parameters after the first. For example, if the video URL was <code>http://<ip>/mjpg/video.mjpg?camera=1&resolution=320x240</code> , the Resolution parameter may have been ignored. This issue affected both desktop (WPF) and HTML5 camera controls and has been resolved for both platforms.	Critical Fixes Rollup 2

EarthWorX Viewer

Ref ID	Description	First Available In
89273	Resolved a crash that could occur on Chinese systems with the language pack installed. The crash would happen when adding an EarthWorX Viewer to a GraphWorX64 display.	New for Critical Fixes Rollup 3
90264	Resolved an issue with the EarthWorX Viewer for WPF WebHMI (which requires Internet Explorer or Edge using IE Compatibility mode) that would cause the map to display incorrectly.	New for Critical Fixes Rollup 3

Table Control

Ref ID	Description	First Available In
89517	Displays created in 10.97.0 or earlier would lose the automatic width setting of columns in the Table Control or Fault Viewer after the viewer was edited and saved in the new version. This has been resolved, but only for displays that are newly upgraded. Displays that were already saved in a version that had this issue will have permanently lost their automatic width configuration and will need to be reconfigured.	New for Critical Fixes Rollup 3
87935	The table control's auto-refresh would not function after the data source was changed in runtime, such as if the data source was a global alias and the alias value was updated. This has been resolved.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1

TrendWorX64 Viewer

Ref ID	Description	First Available In
88666	The FitMarginLabels advanced property wasn't respected after the display was saved and reloaded. This has been resolved.	New for Critical Fixes Rollup 3
88735	In the TrendWorX64 Viewer configuration dialog on the X Axis tab of the chart object, the Date and Time Format dropdown menus did not scale properly on systems where the Windows display scaling was set to something other than 100%. This has been resolved.	New for Critical Fixes Rollup 3
89806 90410	Added a new property to the Advanced tab of the chart, ReadTimeRangeWhenZoomed. When set to true, updates to the time range data source (configured on the chart's Range tab) will be applied even when the viewer is zoomed in. When set to false, updates to the time range data source will be paused while zoomed. The viewer will remember the last update from the time range data source and apply it when the viewer's zoom level is reset to the default. This property defaults to true, which is consistent with the behavior in earlier versions.	New for Critical Fixes Rollup 3
89807	Resolved a rare crash that could occur when the TrendWorX64 Viewer plots a dataset.	New for Critical Fixes Rollup 3

Ref ID	Description	First Available In
90479 90480	Added a new option for displaying cursor value. On the chart object's Cursors tab under "Sample Selection" there is a new option named "Interpolate". When Interpolate is selected, the cursor tooltip will display a value interpolated from the previous and next sample. (This option is unrelated to the interpolative aggregate and can be used regardless of the pen aggregate.) The "interpolate" sample selection option only works for area or line plots. Note that this option will not be localized. It will appear in English, regardless of the system language. Future versions will be properly localized.	New for Critical Fixes Rollup 3
90818 90817	Added a new advanced property to the chart object called AlternativeRangeAxisSize. This property acts like RangeAxisSize (which sets the area available for the range axis information to be drawn) except it applies to the side of the viewer where ranges configured with "alternative placement" are located (usually the right side).	New for Critical Fixes Rollup 3
87044	Historical data exposed through GridWorX Server (db: tag) would fail to read the sample quality. This has been resolved.	Critical Fixes Rollup 1
87185	The autoscale feature would not pick proper min or max values for a static data source. This has been resolved.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
87326	Added these new possible actions that can be configured in the context menu: "Show Legend", "Show Cursors", and "Export Data".	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1

Data Explorer

Ref ID	Description	First Available In
88929	The data in GridWorX data sources was not updatable in the Data Explorer. This has been resolved. This issue may have also occurred in a GridWorX Viewer if the viewer's subscription was changed in runtime mode. It was also resolved in this case.	New for Critical Fixes Rollup 3
87743 87744	Resolved an issue preventing the Data Explorer from displaying data when a Hyper Historian folder was selected. This has been resolved for both desktop (WPF) and HTML5 Data Explorers.	Critical Fixes Rollup 2
84452	Resolved a crash of the data explorer that could occur when selecting a device that contained a proprietary BACnet object.	Critical Fixes Rollup 1

GENESIS64 Basic SCADA

Ref ID	Description	First Available In
89665	It is now possible to view Hyper Alarm Logger logged data when using AssetWorX Tag Counting mode (used for GENESIS64 Basic SCADA). Systems running using AssetWorX Tag Counting mode (used by GENESIS64 Basic SCADA) would not allow browsing for third-party AE servers. This has been resolved.	New for Critical Fixes Rollup 3
90490	Note that when using AssetWorX Tag Counting mode users are expected to add third-party AE servers to AssetWorX (Assets > Product Configuration > Alarms & Events settings > General settings and Alarm & Events sources).	New for Critical Fixes Rollup 3

GraphWorX64

Ref ID	Description	First Available In
89374	Triggering a display to load via the global Load Graphics Display command when another display has not yet finished loading could rarely cause an exception and crash GraphWorX64. When this situation occurred this error message would be displayed: "An attempt was made to transition a task to a final state when it had already completed". This rare issue has been resolved.	New for Critical Fixes Rollup 3
89604	Resolved an issue where the data layer for executing commands would use a different scan rate than the overall display. This could have resulting in unexpected behavior from local variables when using commands, because the commands would be interacting with a different instance of the variable than the one used by the rest of the display.	New for Critical Fixes Rollup 3
90093	Users can now disable scripting in their GraphWorX64 installations by making a change to a configuration file. Disabling scripting will help you secure the automation system or developer station as a whole. ICONICS encourages integrators to use a holistic approach to security by looking at all elements of your architecture. Scripting is enabled by default. To disable scripting, edit the Gwx.config.xml file (located by default in C:\Program Files\ICONICS\GENESIS64\Components), search for "ScriptingEnabled", and set the value to false.	New for Critical Fixes Rollup 3
90664	Resolved a slow memory leak in GraphWorX64 and Workbench.	New for Critical Fixes Rollup 3
90682	Previously, layers nested in any other layer disabled the NoZoom, NoPan and NoScrolling properties. Now these properties are disabled only if there is an ancestor layer that has NoZoom, NoPan or NoScrolling configured.	New for Critical Fixes Rollup 3
87646	When connecting a Remote Desktop to a session that already has GraphWorX64 running, the user could experience issues with global aliasing and embedded viewers. Specifically, global aliases inside an embedded viewer that were already set would revert to their default values, and further Set Global Aliases commands would be ignored. These issues have been resolved.	Critical Fixes Rollup 2
88278	Resolved an issue in the Data Browser that appeared in 10.97.1 Critical Fixes Rollup 1 which would cause applications such as GraphWorX64 or Workbench to hang in task manager after they were closed if the pop-up Data Browser had been used.	Critical Fixes Rollup 2
88411	Resolved a crash in GraphWorX64 that could occur when editing the text of labels that used a gradient as the foreground color. This crash was observed on systems configured with Japanese input mode; however, it could occur with other languages or system configurations.	Critical Fixes Rollup 2
86307	Resolved an issue causing some tooltips in the Smart Tile configuration to not be properly localized.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1

Web Publishing Wizard

Ref ID	Description	First Available In
89847	Resolved an issue causing the Web Publishing Wizard to incorrectly swap the file names of viewer configuration files when there was more than one of that kind of viewer in the published display. The viewers that could have triggered this issue were AlarmWorX64 Viewer, GridWorX Viewer, or TrendWorX64 Viewer.	New for Critical Fixes Rollup 3

RecipeWorX

Ref ID	Description	First Available In
90686	Deleting recipe items could cause unintended behavior with recipe management tags that specified the index number, such as rcpm:RecipeData.Value("MyRecipe",5). Some indexes would show as blank. This has been resolved.	New for Critical Fixes Rollup 3

ScheduleWorX64

Ref ID	Description	First Available In
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.	Critical Fixes Rollup 1

Schedule Control

Ref ID	Description	First Available In
87781	When using the "Override BACnet Enum Values" functionality of the BACnet Schedule Viewer, the background color was not applied with floating point values.	Critical Fixes Rollup 2

Hyper Historian

Collector

Ref ID	Description	First Available In
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.	Critical Fixes Rollup 1

Hyper Historian Express

Ref ID	Description	First Available In
88391	Hyper Historian Express now allows the use of up to six loggers.	New for Critical Fixes Rollup 3

Hyper Historian Workbench Provider

Ref ID	Description	First Available In
89272	In the unusual case that users made a certain manual update to version 10.95.5 Hyper Historian configuration database at the recommendation of technical support, this database would fail the upgrade process. The specific update was to add a "CacheConfiguration_DatablocksLimiterTreshold" row to the "HH_MasterConfiguration" table. This issue has been resolved. Version 10.95.5 databases that include this row should now upgrade appropriately.	New for Critical Fixes Rollup 3
88761	When using the "Merge Another Historian" feature of Hyper Historian to receive data from a specific device of an IoT Subscriber, data from all devices would be merged, not just the selected device. This has been resolved.	Critical Fixes Rollup 2
88762	When using the "Merge Another Historian" feature of Hyper Historian to receive data from an IoT Subscriber, ":rawMessages" tags were erroneously being added to the configuration. This has been resolved.	Critical Fixes Rollup 2

Logger

Ref ID	Description	First Available In
87710	Resolved a crash of the Hyper Historian Logger engine that could occur on systems that had one or more calculated tags that referenced a function that referenced another nested function and used at least one parameter as a data point. The crash would occur when the problem calculation was processed (either during normal operation or during a recalculation task).	Critical Fixes Rollup 2
87727	The HistoryEraser.exe tool can now take a file name as a parameter. This file should be a text file with the names of historian points, one point per line. When this parameter is used, Historian Eraser will load with this list of tags pre-filled, providing an easier way to erase large numbers of tags at once.	Critical Fixes Rollup 2
87752	In very rare cases, an unfinished transaction can be stored into the Hyper Historian log files, and when one of these unfinished transactions is present, Hyper Historian would not start. In this situation, TraceWorX will log the error, "Exception in single thread processing". Hyper Historian will now complete these types of unfinished transactions when it sees them, and the engine will start properly.	Critical Fixes Rollup 2
87854	Setting the Master Logger Directory and Product Directory to locations on different drives (such as one was on the C drive and the other was the D drive) would result in data not being logged. (These are configured under System Administration > System Settings. Master Logger Directory is on the File Logger tab and Product Directory is on the Options tab.) This has been resolved.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
87236	The "Starting at" time for a logger would always use UTC time, even if configured to use local server time.	Critical Fixes Rollup 1

SQL Query Engine

Ref ID	Description	First Available In
88979	Resolved a memory leak in the Hyper Historian SQL Query Engine.	New for Critical Fixes Rollup 3

IoTWorX & Internet of Things

Ref ID	Description	First Available In
89369	For systems with TLS configured on an MQTT Broker that require a client certificate, connections to MQTT brokers may have failed because the client certificate was not being copied to the correct location. This has been resolved.	New for Critical Fixes Rollup 3
89581	Resolved a memory leak in the ICONICS Internet of Things Subscriber Service (FwxlotSubscriberService) that would occur when subscribing to buffered data.	New for Critical Fixes Rollup 3
87620	Updated the version of Node.js and Node modules in the IoTWorX container.	Critical Fixes Rollup 2
86638	Updated the base IoTWorX container image with ASP.NET Core 3.1.19.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
87424	Added some extra protection to the MQTT subscriber code in an attempt to prevent a rare crash in the subscriber service.	Critical Fixes Rollup 1

Internet of Things Workbench Provider

Ref ID	Description	First Available In
90792	When deploying the IoTVisualizer module to devices using an older version of IoTWorX (10.96 and any of its Critical Fix Rollups), the wrong Create Options were used. The options being deployed were appropriate for 10.96.1 devices instead of 10.96. This may have caused the Visualizer module to malfunction. Users experiencing these issues with the Visualizer may need to redeploy the IoTVisualizer module after updating ICONICS Suite to this version.	New for Critical Fixes Rollup 3

KPIWorX

Ref ID	Description	First Available In
88983	Resolved an issue in the Trend widget that could prevent changes to pen connection parameters (such as changing a pen from HDA to DA or vice versa) from taking effect.	New for Critical Fixes Rollup 3
89472	Resolved a crash of the KPIWorX Trend widget or TrendWorX64 Viewer that would occur after swapping the chart axes, then changing the line type (such as from line to area). For the TrendWorX64 Viewer, the crash would occur if these properties were changed in runtime, such as by using Commanding.	New for Critical Fixes Rollup 3
90811	When choosing to share a widget using Image or PDF formats or sharing the entire dashboard using PDF format, a few pixels on the right or bottom would be cut off. This has been resolved.	New for Critical Fixes Rollup 3
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.)	Critical Fixes Rollup 1

MobileHMI & HTML5 WebHMI

HTML5, iOS, Android

Ref ID	Description	First Available In
89072	Resolved an issue that could sometimes cause global alias values to not persist upon a display load if the alias had been set at machine level.	New for Critical Fixes Rollup 3
89933	On HTML5 clients, the :ClientIPAddress Control and Diagnostics tag did not update when the client's IP address had changed in runtime. This has been resolved.	New for Critical Fixes Rollup 3
87523 87520	Resolved various security issues that could occur when using a proxy server. These issues included the security context not being correctly shared between different windows on a client and having to login twice before the login was successful.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

3D Viewport (Tech Preview)

Ref ID	Description	First Available In
90854	The Load Display command now works from the 3D Viewport.	New for Critical Fixes Rollup 3

AlarmWorX64 Viewer

Ref ID	Description	First Available In
88334	Resolved an issue where the AlarmWorX64 Viewer would incorrectly show timestamps in the server's time zone instead of the client's.	New for Critical Fixes Rollup 3
89236	In the unlikely event that an AlarmWorX64 Viewer was saved with an empty column filter (as opposed to no column filter at all), the HTML5 AlarmWorX64 Viewer would incorrectly only show rows with a null value in that column. This has been resolved - the AlarmWorX64 Viewer now treats such filters as if there were no filter applied (which is consistent with the desktop/WPF behavior).	New for Critical Fixes Rollup 3
89980	An AlarmWorX64 Viewer that was hidden by default (or had an ancestor that was hidden by default) would not display all current alarms when made visible. This has been resolved.	New for Critical Fixes Rollup 3
87483	If an HTML5 AlarmWorX64 or GridWorX Viewer contained an expression in the configuration file name field, the expression would only be evaluated once when the display was loaded. Changes to the expression would not cause a new configuration file to load. This has been resolved.	Critical Fixes Rollup 2
87500	The HTML5 AlarmWorX64 Viewer now supports subscribing only to certain categories (configured in the subscription point properties).	Critical Fixes Rollup 2
87798	The HTML5 AlarmWorX64 Viewer could not load a configuration file if the file contained a style with the beep enabled. This issue only occurred on 10.97.1 systems with Critical Fixes Rollup 1 applied and has been resolved.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
87123	The HTML5 AlarmWorX64 Viewer now supports the "BeepFileLocation" property, configurable on the Advanced tab of the control (the parent item in the tree).	Critical Fixes Rollup 1

Asset Navigator

Ref ID	Description	First Available In
87790	If the Asset Navigator had its font size changed, the magnifier and switch view buttons may not have rendered properly in HTML5. This has been resolved.	Critical Fixes Rollup 2

Data Explorer

Ref ID	Description	First Available In
87743	Resolved an issue preventing the Data Explorer from displaying data when a Hyper Historian folder was selected. This has been resolved for both desktop (WPF) and HTML5 Data Explorers.	Critical Fixes Rollup 2

GraphWorX64

Ref ID	Description	First Available In
88487	Resolved an intermittent issue that could cause security-restricted layers (layers with HideWhenSecurityDenied is set to True) to not hide when a user logged in who should have the layer denied.	New for Critical Fixes Rollup 3
88756	The properties of the Toggle Value pick action now support smart binding.	New for Critical Fixes Rollup 3
88880	Resolved an issue that could cause embedded GraphWorX64 Viewers to load blank. This issue would occur if a display loaded in the embedded viewer contained a local alias that was only set with an initial value and then never changed. In this situation, the next display to be loaded into the embedded viewer would not load properly and would appear as blank.	New for Critical Fixes Rollup 3
89032	When the Set View command is applied to an embedded GraphWorX64 display, focus now gets set to that embedded display. Previously focus could remain outside, which might prevent keyboard shortcuts defined inside the embedded display from working.	New for Critical Fixes Rollup 3
89138	Automatic size is now supported for popups.	New for Critical Fixes Rollup 3
89264	Resolved an issue with StringDataSourceWithTokensAndRuntimeValue smart properties that could prevent those smart properties from resolving.	New for Critical Fixes Rollup 3
89401	A popup menu configured with the menu position as "MousePoint" would appear in the bottom left corner instead of the mouse position. This has been resolved.	New for Critical Fixes Rollup 3
89633	If there were three or more levels of clone dynamic nesting, the cloning may not have worked properly, leading to clones that did not have data. This has been resolved.	New for Critical Fixes Rollup 3
89636	HTML5 now supports smart symbols with smart binding on the outside of the symbol.	New for Critical Fixes Rollup 3
89646	The WindowProperties properties of Load Display pick actions now support smart symbol binding.	New for Critical Fixes Rollup 3
90729	The Set Local Alias command previously ignored the TargetName parameter. This has been resolved.	New for Critical Fixes Rollup 3
87356	Smart binding is now supported on custom confirmation message parameters of data entry process points.	Critical Fixes Rollup 2
87698	Load Display commands within a popup menu can now use a target type of Root or Parent.	Critical Fixes Rollup 2
87904	Localsim:property tags that included "GwxDynamicGroup.DynamicsList[x]" would not be resolved in HTML5 displays. An example would be the data source of a process point, which would look something like this: "localsim:property:Label1.GwxDynamicGroup.DynamicsList[0].DataSource". This has been resolved.	Critical Fixes Rollup 2
88053	Selecting an edit field inside an emulated popup (popups using the "Display Dependent" or "Display Dependent - Modal" target types) would prevent any subsequent attempts to focus on any edit field. This has been resolved.	Critical Fixes Rollup 2
88344	Color dynamics belonging to objects on a layer would stop working after the layer was hidden and then shown if the layer was configured with the ReleaseDataWhenHidden property set to true. This issue could also affect objects in a pivot control after the page was pivoted away and then back. The issue has been resolved.	Critical Fixes Rollup 2
88515	The WindowProperties > Text property of a Load Display command now supports smart property binding in HTML5 displays.	Critical Fixes Rollup 2
88533	Smart properties that depend on other smart properties may not work properly in HTML5 based on the order in which the properties were created. This has been resolved.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1

Ref ID	Description	First Available In
87343	When displaying the description of a dynamic object in a tooltip, line breaks were removed. This has been resolved.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
87495	The TimeDate dynamic could show an incorrect local time if the client and server were in different time zones. This has been resolved.	Critical Fixes Rollup 1

GridWorX Viewer

Ref ID	Description	First Available In
88639	An HTML5 GridWorX Viewer configured as a scatter chart could not use dynamic values for the Minimum and Maximum when using a specific X-range. This has been resolved.	New for Critical Fixes Rollup 3
90183	Resolved an issue that could cause the series and axis titles with dynamic values to not resolve.	New for Critical Fixes Rollup 3
87483	If an HTML5 AlarmWorX64 or GridWorX Viewer contained an expression in the configuration file name field, the expression would only be evaluated once when the display was loaded. Changes to the expression would not cause a new configuration file to load. This has been resolved.	Critical Fixes Rollup 2
87853	An HTML5 GridWorX Viewer chart could not use tags for the minimum or maximum values of the Y axis (configured on the Chart and Axes tab of the chart). Tags in those fields were evaluated as string constants. This has been resolved. Tags in these fields are now evaluated and their value used to configure the Y axis.	Critical Fixes Rollup 2
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.	Critical Fixes Rollup 1
86685	Resolved an issue in HTML5 GridWorX bar charts where negative values weren't drawn as a full bar.	Critical Fixes Rollup 1

ReportWorX64 Viewer

Ref ID	Description	First Available In
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.	Critical Fixes Rollup 1

Schedule Control

Ref ID	Description	First Available In
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.	Critical Fixes Rollup 1

Table Control

Ref ID	Description	First Available In
87649	HTML5 Table controls configured to use "alternate styling" for the rows would show a blank white space after the text in columns configured with a Content Type of Hyperlink. This has been resolved.	Critical Fixes Rollup 2

TrendWorX64 Viewer

Ref ID	Description	First Available In
89311	The TrendWorX64 Viewer did not update the pens when global aliases in the connection parameters were updated. This has been resolved.	New for Critical Fixes Rollup 3
89472	Resolved a crash of the KPIWorX Trend widget or TrendWorX64 Viewer that would occur after swapping the chart axes, then changing the line type (such as from line to area).	New for Critical Fixes Rollup 3

Ref ID	Description	First Available In
	For the TrendWorX64 Viewer, the crash would occur if these properties were changed in runtime, such as by using Commanding.	
89748	There was an issue in resolving dynamic values in TrendWorX64 Viewer command parameters (such as parameters for the Edit Pen command) that would cause the command to fail. This has been resolved.	New for Critical Fixes Rollup 3
89806	Added a new property to the Advanced tab of the chart, ReadTimeRangeWhenZoomed. When set to true, updates to the time range data source (configured on the chart's Range tab) will be applied even when the viewer is zoomed in. When set to false, updates to the time range data source will be paused while zoomed. The viewer will remember the last update from the time range data source and apply it when the viewer's zoom level is reset to the default. This property defaults to true, which is consistent with the behavior in earlier versions.	New for Critical Fixes Rollup 3
90070	The HTML5 TrendWorX64 Viewer was not translating the name of the aggregate filter when displaying it in the legend. This caused discrepancies between the filter names in desktop (WPF) and HTML5 displays and could also cause interpolative filters to show as "raw data" in the legend. This has been resolved.	New for Critical Fixes Rollup 3
90075	When there were multiple Y axes shown, selecting a pen in the legend should move the Y axis for that pen closest to the chart. This action would fail, resulting in the pen not being selected at all. (The problem did not happen if the selected pen's axis was already closest to the chart.) This has been resolved.	New for Critical Fixes Rollup 3
90479	Added a new option for displaying cursor value. On the chart object's Cursors tab under "Sample Selection" there is a new option named "Interpolate". When Interpolate is selected, the cursor tooltip will display a value interpolated from the previous and next sample. (This option is unrelated to the interpolative aggregate and can be used regardless of the pen aggregate.) The "interpolate" sample selection option only works for area or line plots. Note that this option will not be localized. It will appear in English, regardless of the system language. Future versions will be properly localized.	New for Critical Fixes Rollup 3
90818	Added a new advanced property to the chart object called AlternativeRangeAxisSize. This property acts like RangeAxisSize (which sets the area available for the range axis information to be drawn) except it applies to the side of the viewer where ranges configured with "alternative placement" are located (usually the right side).	New for Critical Fixes Rollup 3
90925	When the RangeAxisSize property (on the Advanced tab of the chart object) was configured with percentage values less than 10% (such as "5%"), the value would be ignored, acting like the RangeAxisSize property had a value of 0. This has been resolved.	New for Critical Fixes Rollup 3
87435	Previously, the TrendWorX64 Viewer only drew limit lines if the pen's data source was valid. Now the lines are drawn regardless of the data source. This is now consistent with the desktop (WPF) TrendWorX64 Viewer.	Critical Fixes Rollup 2
87609	These context menu actions, added to the desktop (WPF) TrendWorX64 Viewer in Critical Fixes Rollup 1, can now be used in HTML5 displays: "Show Legend", "Show Cursors", and "Export Data".	Critical Fixes Rollup 2
87810	When dragging a Hyper Historian process point into an HTML5 TrendWorX64 Viewer, no history was visible. The pen was treated as a real-time (DA) tag, not historical (HDA). This has been resolved.	Critical Fixes Rollup 2
88324	The HTML5 TrendWorX64 Viewer now respects the "Grid" checkbox setting of the chart object. Previously the grid was always shown, even if this option was disabled.	Critical Fixes Rollup 2
87096	Resolved an issue that could cause manual pen ranges configured to be 0 to show as +/- 10 in runtime.	Critical Fixes Rollup 1
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.	Critical Fixes Rollup 1
87429	Enhanced the performance of the HTML5 TrendWorX64 Viewer.	Critical Fixes Rollup 1
87602	Resolved a crash in the HTML5 engine that could occur when a client triggered two or more Edit Pen commands in sequence.	Critical Fixes Rollup 1

Remote Expert

Ref ID	Description	First Available In
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.	Critical Fixes Rollup 1

Workbench

Ref ID	Description	First Available In
88505	Resolved an issue preventing Workbench from functioning (the Project Explorer did not load) when this IcoCustomSetup.ini setting was configured: [Sql] EnableCollectionPolling=0	New for Critical Fixes Rollup 3
90032	If the audit log was enabled, it would incorrectly show as disabled after restarting the ICONICS Workbench Configuration Service. This was a display issue only - the audit log would be recording as if it were enabled. This has been resolved.	New for Critical Fixes Rollup 3
90664	Resolved a slow memory leak in GraphWorX64 and Workbench.	New for Critical Fixes Rollup 3
87815	Resolved a very rare crash of Workbench that could occur when browsing a remote file system. This crash would only occur in the rare situation that the user's Documents folder was not accessible.	Critical Fixes Rollup 2
88042	When running as a remote client to a redundant system, Workbench would not be able to connect when the primary FrameWorX Server was offline. This has been resolved - Workbench will now be able to connect to the secondary FrameWorX Server when the primary is offline. Note, if a failure of the active server occurs while Workbench is connected, the user will need to either restart Workbench or use the "Disconnect/Connect" button to connect to the new active server.	Critical Fixes Rollup 2
88174	Resolved a crash of Workbench that can occur when a configuration file has a certain line duplicated. This is a rare situation, but if it does occur, Workbench now gracefully handles the situation and no longer crashes.	Critical Fixes Rollup 2
88178	When Workbench could not communicate with the ICONICS Workbench Configuration Service or ICONICS FrameWorX Service it would show two error messages. The first message which appeared indicated a problem communicating specifically with security and the second error indicated a communication issue. The second error message more accurately described the situation and included helpful troubleshooting steps. The first error was misleading and could lead the user to think there was a problem with their security database when there was a greater issue. Now, in the case of a communication issue, only the error message indicating a communication issue is shown. The first error is no longer shown in this situation.	Critical Fixes Rollup 2
88278	Resolved an issue in the Data Browser that appeared in 10.97.1 Critical Fixes Rollup 1 which would cause applications such as GraphWorX64 or Workbench to hang in task manager after they were closed if the pop-up Data Browser had been used.	Critical Fixes Rollup 2
88545	Resolved a memory leak in the ICONICS Workbench Configuration Service (IcoConfigService).	Critical Fixes Rollup 2
88555	The ChangePassword action of the Configure Security command did not function (the password was not changed). This has been resolved.	Critical Fixes Rollup 2

Workbench Classic

Ref ID	Description	First Available In
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.	Critical Fixes Rollup 1

Known Issues & Limitations

Ref ID	Description
88327	Users upgrading from a previous version to 10.97.1 who were using WCF communication ("Use WebSockets" deselected in FrameWorX Server Location) and who installed 10.97.1 using the secure installation option (which is the default) will see keys and be unable to use the system. There are two possible solutions to this issue. The preferred solution is to open the FrameWorX Server Location dialog and select "Use WebSockets". If this is not a possibility, users can re-enable WCF communication by editing a config file. This is not preferred because WCF communication has been obsoleted by Microsoft and may be completely unavailable in future versions. Users who prefer to re-enable WCF communication can find the steps in ICONICS Knowledgebase article KB-3852.
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).
88364	Systems upgraded to 10.97.1 from 10.96.2 or 10.97 may not be able to use newly added point managers. Specifically, if this issue occurs, the point managers will not be browsable in the data browser and no clients can use their points. These new point managers include: BACnet with SC, Mitsubishi Electric FA Connector, Hyper Alarm Logger, Hyper Historian Query Interface, Facility AnalytiX Query Interface, IoT Publisher. Users who are still using the default configurations for their point managers will not encounter this issue. This issue can be resolved by editing the FwxServer.PointManagers.config file. See ICONICS Knowledgebase article KB-3860 for the steps on how to update this file.
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). These configurations can only be upgraded by the installation or the Configure System utility.
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.
83056	Alarm acknowledgement may not succeed when acknowledging many alarms at once that originate from an IoTWorX device. Users encountering this issue can work around it by acknowledging alarms in smaller batches.
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.



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