



GENESIS 32™

GENESIS32 V9.22 Resolved Issues
July 2011

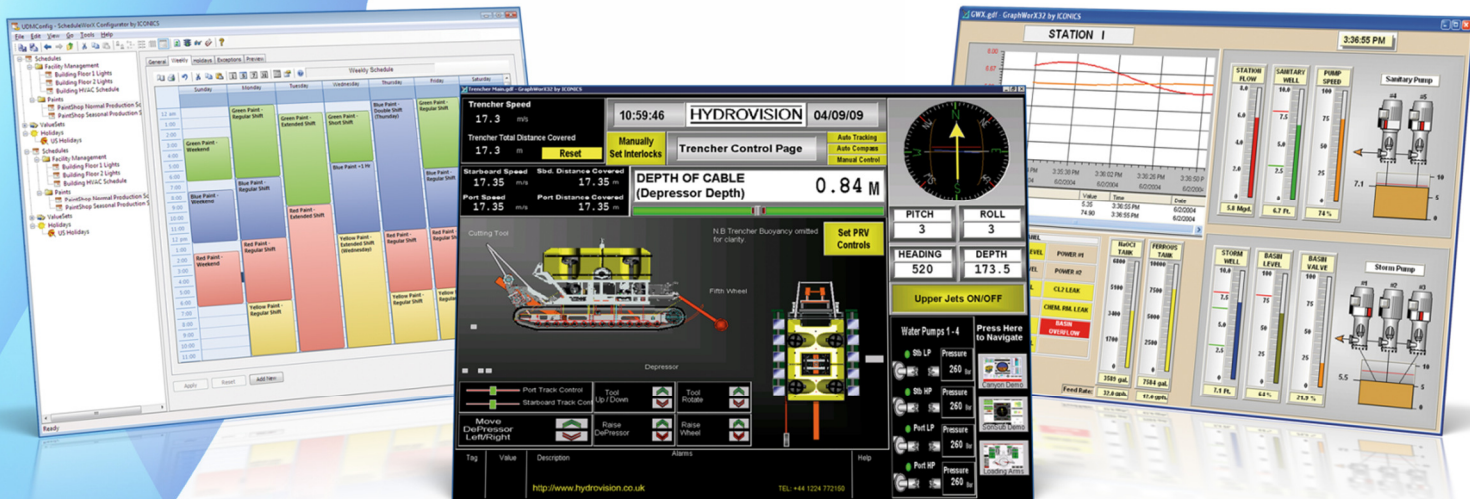


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AlarmWorX™32 Resolved Anomalies

Summary

- Resolved an issue with the AlarmWorX32 Report ActiveX where printing to virtual printers was not working and could result in GraphWorX32 freezing. [33322]
- Enhanced the AlarmWorX32 Report ActiveX adding support for user-configurable text or empty cells to indicate when an update is in progress (instead of asterisks). A new property was added "BusyCellText". Since there were no GUI changes made for this release (due to this release being a service pack release) users should use F4 command for VBA property grid (works even with nonVBA displays). [31941]
- Enhanced the AlarmWorX32 Report ActiveX adding support for a secondary data source for redundant alarm logger database configurations. A new property was added "BackupConnectionString". Since there were no GUI changes made for this release (due to this release being a service pack release), users should use F4 command for VBA property grid (works even with nonVBA displays). This enhancement should be used together with IcoRemoteDbAgent.exe [27831]
- Improved the AlarmWorX32 Logger's printer/spooler management to better handle the case when printing is paused for a relatively long period of time (~5 minutes). The ability to close / finish the print session after a configurable amount of time was added. This period of time is controlled by the IcoSetup.ini file settings [33624]:
 - [AWX32\AWXLog32]
 - PrimaryPrintResetDelay=15
 - BackupPrintResetDelay=0
 - Note - 0 turns the feature off.

This setting is in seconds and will cause the existing page to print. Certain printer configuration may be required. For example: Epson printers have a feature called I/F (interface) mode that defaults to Auto. There is a second feature Auto I/F (interface) wait time that defaults to 10 seconds. If the I/F feature is set to Auto and it times out, the printer will switch to another interface. The printer must run the I/F (interface) mode under one of the defined interfaces so it does not switch to another interface.
- Resolved an issue with the AlarmWorX32 Logger where it would not create tables if SQL Server was not available at startup. [33764]
- Resolved an issue with the AlarmWorX32 Server where it was consuming an abnormally high amount of CPU when the Recursive_UnAcked_Count and Recursive_Active_Count DA tags were being subscribed to. [33457]
- Resolved an issue with the AlarmWorX32 Server where it could leak memory and stop generating alarms when used in a redundant alarm server configuration. [33057]
- Resolved an issue with AlarmWorX32 Server where very intermittently (approximately 1 of 25 times), the Alarm Viewer did not automatically reconnect to the Alarm Server following a reboot. [33267]
- Resolved an issue with the AlarmWorX32 Server where on a manual redundancy switchover, it would appear on MonitorWorX that both servers were in the Active state. [33738]
- Resolved an issue with the AlarmWorX32 Server where the QueryEventAttributes method was not returning the correct vt type for area types (it was returning VT_UNKNOWN instead of VT_ARRAY ! VT_BSTR. [33648])

- Enhanced the AlarmWorX32 Server adding the ability to alarm on bad quality. [33649]
- Resolved an issue with the AlarmWorX32 Server Configurator where a CSV or XML import could fail if the areas below the root level have states. [33459]
- Resolved an issue with GenClient where it could cause a memory leak in the AlarmWorX32 Server if the network was periodically disconnected in a redundant system configuration. [33438]
- Resolved an issue with the AlarmWorX32 Viewer where the resizing of rows was not working properly. [33861]
- Resolved an issue with the AlarmWorX32 Viewer where a gray empty line would replace the alarm when an inactive Alarm was Acknowledged. It now makes the normal state visible in freeze mode in this case. [31700]
- Added the following IcoSetup.ini setting for support of the AlarmWorX32 Explorer:
[AWXSvr32]
EnableStatesConfiguration=1
A setting for AlarmWorX32 Configurator to allow configuration of States associated with Area objects. By default it can be configured from Workbench32. This feature is used in connection with AlarmWorX32 Explorer module.

AlarmWorX™32 Multimedia Resolved Anomalies

Summary

- Resolved an issue with the AlarmWorX32 Multimedia Server where the Receipt Confirmation stop condition was not working. [33365]
- Resolved an issue with the AlarmWorX32 Multimedia Server where it would not archive and could crash if the journal table got too large. [33264]
- Resolved an issue with the AlarmWorX32 Multimedia Server where alarms that never left the alarm state could cause duplicate messages. This only occurred after an archive caused the messages to be processed a second time. A configurable check was added that squelches outgoing MMX triggers based on how old the event time is compared to the now time. [27167]
IcoSetup.ini entry:
[AWX32\AWXMMX32]
AllowedAlarmTime=60
Defaults to 0 (off) value in seconds
- Resolved an issue with the AlarmWorX32 Multimedia Server where the RTN & Ack messages were not being recorded to the journal table in separate entries and consequently was not possible to recreate a sequence of events. Individual entries for ACK and RTN are now created. [19394]
- Enhanced the AlarmWorX32 Multimedia Server adding support to squelch messages that update only because of a quality change. [33667]
The IcoSetup.ini entry:
[AWX32\AWXMMX32]
SquelchQualityChange=1
Off by default
The first message received is processed regardless of quality. The following messages that are only quality change messages, are blocked.
- Enhanced the AlarmWorX32 Multimedia Server adding support to squelch messages that come in outside a user-specified time period. [33666]
IcoSetup.ini file entry:
[AWX32\AWXMMX32]
AllowedAlarmTime=60
Time is in seconds
Squelches messages with Event times older than now – value
If a message is squelched, it will show up in the journal table as:
Invoke Agent - No Action: Squelched. No action is taken on this notification.
- Enhanced the AlarmWorX32 Multimedia Server adding the following redundancy-related functions [33665]:
IcoSetup.ini file entries:
[AWX32\AWXMMX32]
FauxRedundancy=1
FauxNodeName=James-DEV
FauxRedundancy = 1 turns on redundancy.
FauxNodeName = node name of the server that is the source of the AE messages to process. This is not the name of the MMXServer node.
When enabled, MMX does not process limit on node name. It will only trigger AE message received from the AE server on FauxNodeName. All other servers will cause entries with the message Invoke Agent - No Action: Standby. Known limitation, receipt messages not redundant, only real AE acknowledge messages. Known limitation, only two state

pairs redundant. Alarm & RTN or Alarm & ACK. Known limitation, feature does not work with IgnoreHistory feature. If redundancy is on, history feature is autodisabled.

Data Mining Resolved Anomalies

Summary

- Resolved an issue with the Data Mining ActiveX Control where it was not able to export Chinese characters to a CSV file. [33447]

DataWorX32 Resolved Anomalies

Summary

- Resolved an issue with DataWorX32 where it could hang and stop responding due to a deadlocking condition. [33668]
- Resolved an issue with DataWorX32 where it wasn't refreshing the time stamp when performing an asynchronous client refresh of a register value or static value. [33558]
- Enhanced the DataWorX32 standalone installation making the installation of Workbench and WebHMI optional (rather than required). [33812]

DataWorX32 Professional Resolved Anomalies

Summary

- Resolved an issue with the AlarmWorX32 Server where it could leak when used in a redundant alarm server configuration. [33057]
- Resolved multiple issues with the auto-failback-disabled mode where a failback could still occur even if disabled. [32626]
- A number of redundancy related improvements were made. The following is a summary of the Icosetup.ini settings that have been added:

[MonitorWorX]

Gravity=1

This feature affects the OPC DA clients running on the local machine. Turning on this feature makes the local OPC DA clients gravitate to (prefer) a locally running OPC DA server over a remote redundant OPC DA server in the case both OPC DA servers are operational.

[RedundancyDll]

AdapterName=Local Area Connection

This setting informs the Redundancy state engine that "Local Area Connection" (just as an example, the name can be different) adapter is used to communicate with the other node in the node pair. This information is used when auto-failback is disabled to determine what node had "better access to data" and should stay Active. This is particularly useful when the network is unavailable temporarily on one of the redundant servers. The default value is empty string (off). The name should match the string in Network Connections control panel section, the comparison is not case sensitive. This entry is also used by MonitorWorX to help to determine a server used as an active source of data (AlarmWorX32 Server, TrendWorX32 HDA Server) for redundantly subscribed clients. It should prevent excessive client switching on primary node network reconnection (where both Primary and Secondary are temporarily active and Primary was always the chosen one before it went to Standby).

[AWXLog32]

CacheDuration=(seconds)

The maximum age (in seconds) of alarms cached by an AlarmWorX32 Logger when it is running in the Standby mode. These alarms are logged to the database whenever the alarm server switches to the Active mode. Use of this feature can result in duplicate alarms being logged in the database on switchovers. Setting to 0 disables the cache, default value is 0 seconds.

[AWXLog32]

StandbyTransitionDelay=(milliseconds)

This allows you to configure a delay in the AlarmWorX32 Logger that will postpone a transition to the Standby state. This can be used to give a restarting redundant AlarmWorX32 Logger the chance to connect to all of its Alarm Server before it goes to the Active mode. The effect is that AlarmWorX32 Logger is waiting the configured amount of time before it goes to Standby, even though all the other conditions for it are met. This can cause duplicate alarms being logged to the database on switchovers. Default value is 0.

GenBroker Resolved Anomalies

Summary

- Resolved a cyber-security vulnerability with GenBroker where it was vulnerable to invalid and unintended messages directed to Port 38080, receipt of which could cause a buffer overflow or memory corruption, either of which could result in a denial of service and/or a GenBroker crash. [33701]
- Resolved an issue with GenClient where it could cause a memory leak in MonitorWorX if the network was periodically disconnected in a redundant system configuration. [33326]
- Resolved an issue with GenClient where it could cause a memory leak in the AlarmWorX32 Server if the network was periodically disconnected in a redundant system configuration. [33438]
- Resolved an issue with GenClient where it could cause MonitorWorX on the secondary node of a redundant system to report 0x80040601 (during a ReundantAppProcessRequest). [30500]
- Resolved an issue in GenClient that can cause a crash in GraphWorX32 when used in a redundant system configuration. (The crash was caused by late handling of an already timed-out synchronous call from a TrendWorX32 or AlarmWorX32 ActiveX control through GenClient. This late and incorrect handling (using system event object) forced a "random" COM RPC thread to do its periodic work, causing the crash). [33315]
- Enhanced GenClient's Extended Point Syntax to optionally provide timestamps in Local time as well as UTC time. The new implementation uses "TimeStampLocal" and "TimeStampUTC". [33689]
- Resolved a memory leak in GenBroker that could occur if the network is periodically disconnected and reconnected. [33261]

GraphWorX™32 Resolved Anomalies

Summary

- Resolved an issue with GraphWorX32 where a template script would improperly overwrite a display script. GraphWorX32 will now keep ThisDisplay module of the display, the Template ThisDisplay module will be ignored. [33627]
- Enhanced GraphWorX32 adding a method to get the text of a global script (VBScript or JScript). The new automation functions GetGlobalVBScripts, SetGlobalVBScripts, GetGlobalJScripts and SetGlobalJScripts were implemented. [33608]
- Resolved an issue with GraphWorX32 where it could crash in runtime when running in GenBrowser. The crash was being caused by the way the Language Server was being deleted. [30636]
- Resolved an issue in GenClient that can cause a crash in GraphWorX32 when used in a redundant system configuration. (The crash was caused by late handling of an already timed-out synchronous call from a TrendWorX32 or AlarmWorX32 ActiveX control through GenClient. This late and incorrect handling (using system event object) forced a "random" COM RPC thread to do its periodic work, causing the crash). [33315]

Licensing Resolved Anomalies

Summary

- Resolved a potential vulnerability issue with the SafeNet Sentinel Protection Server, a third-party software component used by the GENESIS32 Licensing software for interfacing to the hardware license keys. The previous version of this server was vulnerable to a directory traversal attack, potentially allowing unrestricted access to a large portion of the file system. [33717]
- Improved the robustness of GenRegistrarServer by adding checking for removal of a subscription - to prevent a potential crash condition. [33496]
- Updated the Software Licensing (CrypKey) libraries to the latest version which addresses an issue with -1005 (CrypKey -5) errors occurring.

MonitorWorX Resolved Anomalies

Summary

- Resolved an issue with GenClient where it could cause a memory leak in MonitorWorX if the network was periodically disconnected in a redundant system configuration. [33326]
- Resolved an issue with the AlarmWorX32 Server where on a manual redundancy switchover, it would appear on MonitorWorX that both servers were in the Active state. [33738]
- Resolved an issue with GenClient where it could cause MonitorWorX on the secondary node of a redundant system to report 0x80040601 (during a ReundantAppProcessRequest). [30500]

Security Resolved Anomalies

Summary

- Resolved a potential cyber-security vulnerability with the ICONICS Security features where several components were vulnerable to a buffer overflow condition. The affected components were Security Login, Security Server, ActiveX Login, and SecAutoUtil. [33925]

SNMP Connector Resolved Anomalies

Summary

- Resolved an issue with the SNMP Configurator where it was not able to read data from some devices unless GetNext was used. [33710]

TrendWorX™32 Resolved Anomalies

Summary

- Resolved an issue with the TrendWorX32 Configurator where the CSV import could incorrectly report duplicate tag handles. [33164]
- Resolved an issue with the TrendWorX32 HDA Server where the last sample aggregate did not show data for static HDA values. [33301]
- Resolved an issue with the TrendWorX32 HDA Server where it was not returning all of the logged data from the database in the following scenario [33582]:
 - Redundant TrendWorX32 Loggers
 - Periodic table creation
 - Periodic failovers caused by disconnection and reconnection of the network
- Resolved an issue with the TrendWorX32 HDA Server where it was not working on the secondary server when the primary server was down. [33538]
- Resolved an issue with the TrendWorX32 HDA Server where it would return two samples (instead of one) at the time when logging is stopped. This in turn could cause a problem in the TrendWorX32 SQL Query Engine HDA Aggregates calculation. [32996]
- Resolved an issue with the TrendWorX32 HDA Server where the starting boundary value is included even if there is another value that has the same timestamp. It resulted in having the same value twice, which in turn could cause a problem in the TrendWorX32 SQL Query Engine HDA aggregates calculation. [32995]
- Resolved an issue with the TrendWorX32 Logger where it was not creating all of the tables in the secondary data source. [32643]
- Resolved an issue with the TrendWorX32 Logger where if both loggers of a redundant pair are started at the same time, and if both are logging to the same (central) database, the logger may not start up correctly. [33761]
- Resolved an issue with the TrendWorX32 Logger where bad quality samples were not logged in a redundancy scenario. [33684]
- Resolved an issue with the TrendWorX32 Report where it was not returning all of the logged data from the database in the following scenario [33810]:
 - Redundant TrendWorX32 Loggers
 - Periodic table creation
 - Periodic failovers caused by disconnection and reconnection of the network
- Resolved an issue with the TrendWorX32 Viewer where the pen description was getting resolved permanently even though Global Aliasing was being used. [33551]

WebHMI Resolved Anomalies

Summary

- Resolved a potential buffer overflow vulnerability in WebHMI. A successful exploit of this vulnerability could allow a denial of service (DOS) or arbitrary code execution. [33563]
- Improved the error reporting of the Web Publishing wizard. A new line was added to the dialog that displays error details. [33418]
- Resolved an issue with the Web Publishing wizard where publishing via FTP channel on Windows 7 and on Windows Server 2008 did not work correctly. [30184]
- Resolved an issue with WebHMI where launching a popup display that contains an embedded display from a popup menu returns a message that it cannot find the file for that embedded display. [33542]
- Resolved a potential security vulnerability issue with the IcoSetServer.dll component and the page that instantiates this control. They exposed a function that can set an arbitrary domain to the trusted zone. [33864]

Other Resolved Anomalies and Changes

Summary

- Resolved an issue with GenStatistics where it could crash if the user attempted to load a file that does not exist. [33852]
- Enhanced GenTray adding support for modifying the Custom Application. Previously only "Add" and "Remove" were supported. [31945]
- Resolved an issue with TraceWorX32 where it could crash when maximizing the Trace Viewer window and then clicking on the number to change page. [31908]
- Updated the Data Mining OPC Server Configurator help file to incorporate several corrections. [33215]
- Updated the TrendWorX32 Viewer help file incorporating several corrections. [31854]
- Updated the MonitorWorX help file to incorporate a correction. [31849]
- Updated the ProjectWorX32 file to incorporate missing information. [31834]

Known Issues

Summary

Running GENESIS32 V9 with GENESIS64 V10 side-by-side

- GENESIS32 v9.22 can be run side-by-side (on the same system) as GENESIS64 v10.6. Note, because of shared components, other combinations of versions are not supported. If you are running GENESIS32 and GENESIS64 side-by-side, you should be aware of the following potential issues:
 - **GenBroker**
GenBroker64.exe does not support the GENESIS32 Licensing and Security Servers. If GENESIS64 V10.6 is installed after GENESIS32 V9.22 is installed, you may need to perform the following steps to re-enable the GENESIS32 GenBroker.exe:
 - Unregister/delete the GenBroker64 service:
 - Open command line (cmd)
 - In Services console (services.msc) check the name of the ICONICS GenBroker service. It should be called "IcoGenBroker" on the General tab
 - Run command "sc delete IcoGenBroker" (without the quotes)
 - This will remove the GenBroker64 service
 - Now you can either manually register the GenBroker32 service or just run Application Setup Utility from the ICONICS Tools
 - Make sure that the Application Setup Utility runs successfully without any errors
 - Restart the server
 - Make sure you see ICONICS GenBroker service registered in the Services console as automatic service running under the identity you selected in the Application Setup Utility GUI. The name on the General tab of the service is now "GenBroker"
 - Verify you can get OPC legacy (DA, A&E, HDA) and Administrative Services from the server machine (take opening the port 38080 into account)
 - **BACnet:**
GENESIS64 and GENESIS32 each have their own BACnet runtime component and they should not be run at the same time because they share a common BACnet Port number (BAC0). It is recommended that you use the GENESIS64 BACnet communications because of the more advanced features that it supports including support for the BACnet Alarm and Trend objects. If you want to use BACnet Runtime 64, you should unregister BACnet Runtime 32. (Note, it is possible to get BACnet DA data into GENESIS32 clients via the FrameWorX Server OPC DA wrapper). If you want to use BACnet Runtime 32, you should unregister BACnet Runtime 64 (Note, there is no means to get data to GENESIS64 clients from BACnet Runtime 32).

To remove BACnetRuntime32 from GENESIS32:

- 1) Open Command Prompt
- 2) Go to C:\Program Files (x86)\Common Files\ICONICS (it can be also C:\Program Files\Common Files\ICONICS)
- 3) Execute BACnetRuntime.exe /UnregServer

To remove BACnetRuntime64 from GENESIS64:

- 1) Open Command Prompt
- 2) Go to C:\Program Files\Common Files\ICONICS\FWX64\Bin
- 3) Execute BACnetRuntime64.exe /UnregServer

○ **SNMP:**

GENESIS64 and GENESIS32 each have their own SNMP runtime component and they should not be run at the same time because they also share a common SNMP Port number (161) for listening for SNMP Traps. It is recommended that you disable one of the SNMP Runtime components, the one that you do not plan to use.

If you want to use SNMP Trap Server 64, you should unregister SNMP Trap Server 32. (Note, it is possible to subscribe the AlarmWorX32 Viewer 32 to the SNMP Trap Server coming with GENESIS64). If you want to use SNMP Trap Server 32, you should unregister SNMP Trap Server 64 (Note, it is possible to subscribe AlarmWorX64 Viewer to the SNMP Trap Server coming with GENESIS32).

To remove SNMP Trap Server from GENESIS32:

- 1) Open Command Prompt
- 2) Go to C:\Program Files (x86)\Common Files\ICONICS (it can be also C:\Program Files\Common Files\ICONICS)
- 3) Execute SnmpTrapServer.exe /UnregServer

Optional step:

Delete SnmpTrapServer.exe from that folder (GENESIS32 installation repair will be required when you will want to use SnmpTrapServer in GEN32 again)

To remove SNMP Trap Server from GENESIS64:

- 1) Open Command Prompt
- 2) Go to C:\Program Files\Common Files\ICONICS\FWX64\Bin
- 3) Execute SnmpTrapServer32.exe /UnregServer

Optional step:

Delete SnmpTrapServer32.exe from that folder (GENESIS32 installation repair will be required when you will want to use SnmpTrapServer32 in GEN64 again)

DataWorX32 Professional (Redundancy)

- When Auto-failback is enabled, the AlarmWorX32 Server **always** fails back to the primary node as soon as it detects it is running and available. This can result in some recent state information getting dropped when the failback is the result of a network disconnection/reconnection on the primary node. (The state changes that occur while the primary's network was disconnected may get dropped. Note, in versions prior to v9.2, the Secondary Alarm Server did not auto failback in this case, which was confusing and often led to a report about Auto-failback not working). It is recommended that you disable the Auto-Failback feature in V9.2 on nodes running redundant AlarmWorX32 Servers.
- A new feature was added in V9.22 that enables better control of redundancy, particularly on startup, and on failovers that result due to network disconnections. To enable this feature (recommended), you will need to enter the network adapter name manually in the IcoSetup.ini file under:

[RedundancyDll]

AdapterName=Local Area Connection

This setting informs the Redundancy state engine that "Local Area Connection" (just as an example, the name can be different) adapter is used to communicate with the other node in the node pair. This information is used when auto-failback is disabled to determine which node had "better access to data" and should stay Active. This is particularly useful when the network is unavailable temporarily on one of the redundant servers. The default value is empty string (off). The name should match the string in Network Connections control panel section, the comparison is not case sensitive. This entry is also used by MonitorWorX to help to determine which server it should use as the active source of data (AlarmWorX32 Server, TrendWorX32 HDA Server) for the clients that are subscribed to these servers. In addition, it could prevent excessive client switching on primary node network reconnection (where both Primary and Secondary are temporarily active and Primary was always the chosen one before it went to Standby).

Installing or using GENESIS32 V9.22 on Windows 7, Server 2008, or Vista

- IcoSecureDesktop on Windows 7, Windows Server 2008, or Windows Vista: These Microsoft operating systems include a new Start Menu design, one that does not support the IcoSecureDesktop disabling of the Windows Start Menu. In order to disable the Start Menu, Microsoft recommends the Group Policies feature of Windows be used.
- To start up ProjectWorX32 on a Vista, Windows 7, or Windows Server 2008 system with UAC on requires GenTray to be running. If you plan to use ProjectWorX32 on a regular basis on a Vista, Windows 7, or Server 2008 system, it is recommended that GenTray be setup to start automatically.
- To use the Workbench32 MMX Configurator on Windows 7, the Microsoft .NET Framework – Windows Communications Foundation HTTP Activation must be enabled. To enable this feature, go to the Windows 7 Control Panel and select Programs – Turn Windows feature on or off.

Uninstalling GENESIS32 with BizViz Installed:

- If you uninstall GENESIS32 from a machine with both GENESIS32 and BizViz installed, the installation will ask you to uninstall WebHMI first. WebHMI is required for some BizViz products. Consequently, it may be necessary to re-install WebHMI after the GENESIS32 un-installation.

Running a mixed V7 and V9 system is not supported.

- One known issue can occur when a V9 WebHMI client visits a V7 WebHMI server. In this case, GenBroker could crash on the server.

AlarmWorX32 Logger:

- When the AlarmWorX32 Logger and AlarmWorX32 Server are both set up to auto start and run as services, a race condition can occur possibly resulting in the Logger not logging. To avoid this race condition, the user should set the Alarm Server as a dependency for the Alarm Logger.

AlarmWorX32 Indicator ActiveX:

- There is a known compatibility issue with the file format used by the V9.10 Alarm Indicator. As a result, if you are upgrading a V9.10 system to V9.22, the Alarm Indicator ActiveX configurations used in V9.10 will not be available in V9.12. Note, if you are upgrading a pre-V9.10 system (i.e. V8 or V9.0x) to V9.22, the configurations are compatible and will be used.

AlarmWorX32 Multimedia - MMX Server:

- There is potential for a memory leak in the AlarmWorX MMX Server as a result of a Microsoft ADO component that is provided as part of the operating system. To ensure protection against this memory leak, you should download and install the following patch from Microsoft: <http://support.microsoft.com/kb/978155>. For more information on this patch and to download this patch, click the link that says "View and request hot fix downloads".
- There is a known issue when exiting the AlarmWorx32 Multimedia Configurator on Windows 7 that causes a message to popup saying "This program requires a missing Windows component." This is caused by a file that is no longer included with Windows. To stop this message from continually appearing, please follow the "Check for solutions online" button and download the necessary patch for your computer.

AlarmWorX32 Multimedia - Pager Agent:

- There is a known issue with the MMX Pager Agent that can occur when sending SMS messages via a GSM modem. This issue has only been seen on Microsoft Windows operating systems containing the latest service packs (Windows Vista SP2, Windows Server 2008 SP2 or Windows XP SP3). The indication of the issue is a COM port failure. Please look for a future ICONICS patch or contact Technical Support for more information.

AppSetupUtility:

- Once AppSetupUtility is run on the system, it is important to re-run AppSetupUtility as part of any Installation modification or Installation repair procedure.

BACnet Support:

- To see simulated BACnet data, you have to connect to a remote BACnet simulator. (The BACnet simulator does not communicate if it is installed on the same machine as the BACnet runtime).
- If you change the BACnet configuration database to another configuration database, the BACnet runtime cache (list of present BACnet devices) is discarded. Consequently a re-scan of the BACnet network is required to determine which devices are present. The re-scan may be time consuming.
- When a BACnet device is already dynamically discovered and then it is being configured in Workbench32, the Workbench32 change is not seen in the BACnet Runtime.
- BACnet objects under configured devices are not being auto-discovered.
- If a BACnet device's Device ID is changed in the BACnet Configuration, it is not propagated to the BACnet runtime.

DataWorX32:

- DataWorX32 OPC Tunneling has the following known issues:
 - Tunneling to three or more AE and DA servers simultaneously is not fully supported. The number of tunnels should be kept to one or two when using both DA and AE tunneling.
 - There is a known handle and memory leak with OPC Tunneling when the data is requested with fast (well under a second) update rates.
- If you plan to create an OPC Tunnel on a Vista, Windows 7, or Windows Server 2008 system with UAC enabled, you must start the DWXConfigurator using the "Run As Administrator" option by right clicking on the on the DataWorX menu item and selecting this option.
- When using DataWorX32 registers which contain a Global Alias (e.g. Node name prefix such as <#Node#>ICONICS.Simulator.1\SimulatePLC.Sine) with the "Release Inputs when in not use" functionality, the register returns bad quality.
- DataWorX32 does not give any indication when it is not licensed. In version 9.2x, if you are missing the "DataWorX32" bit in your license (or if you don't have DataWorX32 licenses to cover all of the machines you're using) then DataWorX32 will simply not go into runtime (red light) and the points will all be bad quality.

Modbus OPC Server Workbench configurators:

- To use the Modbus Workbench32 configurator, you must first install the Modbus OPC Server(s). The GENESIS32 V9.21 DVD provides separate installations for the Modbus (Serial and Ethernet) OPC Servers.

MonitorWorX32:

- Multiple instances of the same OPC DA Servers may appear in the MonitorWorX32 Redundancy list under a single node. This may occur if the OPC DA client applications simultaneously use both the full version of the OPC DA Server tag names (e.g. ICONICS.DataWorX32.8\test.R001) and the shortened version of the tag names (e.g. ICONICS.DataWorX32\test.R001).

Recipe Tree Control:

- If the user has any recipe viewing client applications running when a recipe is deleted, the client applications will not immediately remove the recipe from view. It may require a restart of the client application to get the recipe removed from view.
- The V9.22 Recipe ActiveX Control is not compatible with the v9.10 UDM Runtime. Consequently, if you are upgrading your system from V9.10 to V9.22, it is important to upgrade all the machines that are hosting the UDM Runtime V9.10. This is especially important if the Recipe feature of the UDM is being used.

ScriptWorX2010 and ScriptWorX32:

- If you are planning to use ScriptWorX2010 or ScriptWorX32 on a PC / Workstation that has Office 2007 installed, you will need to download and install Office 2007 SP1.

ScheduleWorX32:

- Changing the ValueSet Parameter when parameters are used in a schedule does not update output tags until schedule changes or server is stopped and restarted.
- Search and Replace Function: Does not detect Default Valueset value
- Modified recurrence events do not show correct event color in preview mode

Security on Windows XP (32-bit) SP2 or SP3:

- If using GENESIS32 Security with Windows Integrated security on Windows XP (32-bit) SP2 or SP3, you may experience a problem with login because of an issue with these Windows XP Service Packs. The issue is caused by the Windows XP ForceGuest registry value being set to 1 by default in the following registry key: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa. This registry setting should have been set to 0 by default. For a more detailed explanation of the issue, please see Microsoft Article ID: 180548. It can be found at: <http://support.microsoft.com/default.aspx?scid=kb;en-us;Q180548>.

Unified Data Manager:

- The Default configuration database for the Unified Data Manager (UDM) included in the V9.2 release has a corruption issue. If you are upgrading a GENESIS32 V9.2 system, and if the UDM configuration database of the system being upgraded is based on the default one that was provided with V9.2, you will need to create a new UDM configuration database for the V9.22 system. Unfortunately, it is not feasible to repair the original corrupted configuration database.

Workbench32:

- If you are upgrading a version 9.13 or earlier version of GENESIS32 to version 9.22, you will first have to open the legacy configurator for each configuration database and upgrade the configuration database to v9.22 – before you will be able to use the Workbench32 configurator. Note, until this is done, the Workbench32 version of the configurators will display a message indicating "Database upgrade required".
- If you are running Workbench32 over the web (in Internet Explorer), there is a known issue with the initial loading of the components. During the first-time loading of all of the components, some components may be loaded in incorrect order – causing improper functionality and the posting of error messages such as 'Insufficient security rights.' error or other errors in the Status Bar, or it can result in no providers being displayed in the Workbench32 Shell. To resolve this issue, please close all running Internet Explorer instances and reload the .htm page that accesses Workbench32. If this does not address this issue, please reboot your client machine.

Workbench32 AlarmWorX32 Server Configurator:

- The Refresh Configs and Tags button in the "Add area tag" dialog is not functional in this release.

Workbench32 DataWorX32 Configurator:

- Workbench32 DataWorX32 Configurator does not support the creation of DataWorX32 Switches in this release. The legacy DataWorX32 Configurator is needed in order to create Switches.

Workbench32 Global Aliasing Configurator:

- Importing a previously exported Global Aliasing configuration may result in the generation of various error messages. This issue is currently being addressed. Please check the ICONICS Support web site for a hot-fix for this issue.

Workbench32 MMX Server Configurator:

- When an action set is changed while the MMX server is running, the workbench configurator is supposed to stop the server, clean the journal table, wait a bit, and restart the server. The workbench does not try to start the server.

Workbench32 Navigator Runtime:

- There is currently a known memory leak related to using language aliasing with the AlarmWorX32 Viewer ActiveX inside Workbench32. If you are using the Navigator Runtime then you will need to resolve this issue by disabling language aliasing in the viewer by modifying IcoSetup.ini. Under [AWXVIEW32], set the value "DisableAlias=1".

Workbench32 ScheduleWorX Configurator:

- Attempting the start the ScheduleWorX runtime by using the traffic light does not work if the runtime is setup to run as a service.

Workbench32 TrendWorX32 Logger Configurator:

- Activating a TrendWorX32 Logger configuration or changing its connection via Workbench32 is not supported in this release. To change the connection or to activate a TrendWorX32 Logger configuration, you will need to use the legacy TrendWorX32 Configurator on the node where the Logger is running.

Workbench32 Unified Data Manager Configurator:

- The Unified Data Manager Workbench32 configurator does not support browsing connection strings for database triggers in this version. You can manually enter the connection string, or you can alternatively use the legacy Unified Data Manager configurator to browse for the connections strings for database triggers.
- Attempting the start the Unified Data Manager runtime by using the traffic light does not work if the runtime is setup to run as a service.

Language Translations:

- Chinese Translation: The language selector in the GenBroker stand-alone installation is missing choices for switching to Chinese and the BACnet items in GenTray are not translated to Chinese.
- Dutch Translation: The TrendWorX32 SQL Logger's content window and the status bar are not translated to Dutch.
- Russian Translation: The following applications are not translated into Russian: GenBroker Configurator, ScriptWorX2010, and AlarmWorX32 Multimedia.
- Spanish Translation: The VCRWorX32 Configurator is not translated to Spanish



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