GENESIS32 - INI File Settings

APPLICATIONS NOTE

October 2013

Description: This application note describes one of the ICONICS INI files introduced with version 9.0 and a selection of settings that are commonly used.
OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7
General Requirement: GENESIS32 version 9.x.

Introduction

Accommodating to ever stricter security restrictions on what functionality is available to a normal user resulted in the GENESIS32 and BizViz suites switching over to using INI files instead of the registry. Settings which are only set up during installation are still recorded in the registry, as are the COM object registrations. However, all application settings that may be changed by the user are now stored in an INI file.

In most cases, it is advised to never change the INI file settings directly, but instead use the appropriate dialogs in the various applications. However, in some cases it is either easier or necessary to change the settings in the INI file directly.

Settings that have been available before version 9.0 can be configured in the registry for former versions.

The IcoSetup.INI file

On Windows 7, Vista, and Server 2008 operating systems, the IcoSetup.INI file can be found in the `C:\ProgramData\ICONICS\` directory. On all other operating systems, it is in the `C:\Documents and Settings\All Users\ Application Data\ ICONICS` directory. You can edit it using a text editor, such as Notepad. An INI file contains sections, parameters, and parameter values. Consider the following section from an INI file:

```
[MonitorWorX\Options]
NoBalloons=1
```

MonitorWorX\Options is the section, NoBalloons is the parameter, and 1 is the parameter value.

GraphWorX32

[GWX32\Runtime Settings]

AnimateLayersViewport

When enabled, only those objects on the visible layers will animate, points are not de-animated when scrolling away from the view; the function behaves additive.

Availability: 9.0

Allowed values: 0 (disabled) and 1 (enabled), with a default value of 0

[GWX32\Compatibility Properties]

UsePreciseFloatRounding

When enabled or omitted, it will round 5,6,7,8 & 9 up, 0,1,2,3 & 4 down. Before version 9.1, it would always truncate the value for size and location dynamics. Process points always applied proper rounding.

Availability: 9.1

Allowed values: 0 (disabled) and 1 (enabled), with a default value of 1

[GWX32\General Properties]

HashMapPrime

Initial size of the hash maps for all statics, dynamics, etc.

Availability: 9.0

Allowed values: Any integer, whereby large primes will work best, with a default value of 10007

AlarmWorX32

[AWX32\AWXSvr32]

DBPeriod

Period (in milliseconds) at which the alarm server scans the configuration database for changes

Availability: 7.0

Allowed values: Numeric values of 20000 and higher, with a default of 20000

NotifyDAErrors

Disable the notification of all OPC Data Access events, e.g. bad quality, invalid tags, etc. caused by status changes on the OPC items used to define the alarms.

Availability: 9.1.167.10

Allowed values: 1 (post messages) or 0 (no messages), with a default value of 1

SingleAck

Disable multiple entries for repeat acknowledgement. The repeat acknowledgement function has been introduced with version 9.0, to disable this function this setting can be used.

Availability: 9.0

Allowed values: 0 (post multiple messages) or 1 (post first acknowledgement only), with a default value of 0

[AWXVIEW32]

NoFlash

Disable flashing header for the alarm when set to 1

Availability: 9.01.167.5

Allowed values: 0 (allow flash) or 1 (no flash), with a default value of 0

Limit

Maximum number of (alarm) messages allowed

Availability: 8.0

Allowed values: Any integer, should be < 80000, with a default value of 32000

EventLimit

Maximum number of (event) messages allowed
Availability: 8.0
Allowed values: Any integer, should be < 80000, with a default value of 32000

DataWorX32

[Dwx32\Options]

ScanRateLimit

When set, it will limit all incoming pass-through connections to this scan rate. It will avoid any client creating groups with a scan rate (in milliseconds) faster than the specified limit.
Availability: 8.02.140.1
Allowed values: Any positive integer with a default value of 0 (no limit)

MonitorWorX

[MonitorWorX\Options]

NoBalloons

When enabled, the popup balloons will no longer pop up from the system tray.
Availability: 9.01
Allowed values: 0 (show messages) and 1 (hide messages), with a default value of 0