



GENESIS64 License Monitor



APPLICATION NOTE

August 2014

Description: Guide to the GENESIS64 license monitor.

Introduction

GENESIS64 licensing uses a WCF Service to determine if an application is running and if it should be allowed to run per the active license. When a client is closed, or should a client session terminate in any other manner, the licensing service reclaims the licenses used by that application and restores them to the available license count so that they can be used for another client.

This application note explains how to use GENESIS64 License Monitor to find details about your active ICONICS GENESIS64, ICONICS BizViz, and ICONICS AlarmWorX64 Multimedia license. You can find out details such as number of runtime or development clients, number of process points, and exactly what applications your license contains. Also, you can take advantage of the integrated Diagnostic tools to find out which nodes are connected to your license server and what licenses they are currently using.

License Monitor

You can monitor your license status using the License Monitor, which is a special configuration of the MonitorWorX utility, or from inside Workbench. There are several ways to open the License Monitor:

- Start Menu → All Programs → ICONICS Licensing → ICONICS .NET Licensing → MonitorWorX Viewer → Licensing tab
- Workbench → Tools ribbon → Licensing
- Workbench → File menu → Licensing

License Monitor Tabs

The License Monitor has the following tabs which list detailed information about your license.

Overview

The Overview tab lists basic information about your license, such as the License Server Node Name, License Mode (Good, Demo, etc.), Tag Count Mode, License Start Time, Grace Period, Product Version and Serial number (for a hardware license) or Site Key (for a software license). It also shows how many GENESIS64 and Hyper Historian tags you are using, along with the number of application servers, desktop-enabled stations, and client stations you are using.

Overview | GENESIS64 | Data Connectors | Analytix | AlarmMMX | Diagnostics |

License Server Node Name:	
License Mode:	Demo Mode
Tag Count Mode:	On-Demand Tags
License Start Time:	7/18/2014 9:41:26 AM
Information Updated at Time:	7/18/2014 12:02:08 PM
Grace Period Expiration Time:	7/18/2014 11:46:10 PM
Grace Period Available:	12 hours (Activated)
Product Version:	10.85
Serial Number/Sitekey:	
Key Type:	

	In Use Standard	Total Standard	Total
GENESIS64 Tags	9	64	64
Hyper Historian Tags	0	500000	500000

	In Use Standard	Total Standard	In Use Reserved	Total Reserved	Total
GENESIS64 Application Servers	1	1	-	-	1
Desktop Enabled Stations	1	1	0	0	1
Client Stations	2	3	0	0	3

Figure 1 – Overview Tab

“Standard” versus “Reserved” – You may notice that some columns are labeled “Standard” and some “Reserved”. Certain parts of a license can be reserved for critical system users such as system admins, engineering accounts, or crucial system operators. See the application note entitled “GENESIS64 – Reserved Licenses” for more information on reserved licenses and how to configure them.

GENESIS64

The GENESIS64 tab lists license information for each GENESIS64 component feature that is individually licensed. This includes developer stations, client stations, and servers for the different GENESIS64 applications.

Overview GENESIS64 Data Connectors Analytix AlarmMMX Diagnostics					
Feature	In Use Standard	Total Standard	In Use Reserved	Total Reserved	Total
GENESIS64 Developer Stations	0	2	-	-	2
GraphWorX64 Developer Stations	1	2	-	-	2
AlarmWorX64 Developer Stations	0	2	-	-	2
Hyper Historian Developer Stations	1	1	-	-	1
GraphWorX64 Client Stations	1	2	0	0	2
TrendWorX64 Client Stations	0	1	0	0	1

Figure 2 - GENESIS64 Tab



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Data Connectors

The Data Connectors tab lists limited information about the total number of OPC Servers and special ICONICS providers (like SNMP and BACnet). All the other information about the availability of these licenses can be read from GENESIS32 License Monitor.

Feature	In Use Standard	Total Standard	Total
ICONICS, Inc. OPC UA Kepware Standard Servers †	-	-	1
ICONICS, Inc. OPC UA Kepware Premium Servers - Building Automation †	-	-	1
ICONICS, Inc. OPC UA Kepware Premium Servers - IT and Infrastructure †	-	-	1

Figure 3 – Data Connectors tab

AnalytiX and AlarmWorX Multimedia

The AnalytiX and AlarmWorX Multimedia tabs show the license details for any AnalytiX and AlarmWorX Multimedia products you may have installed and licensed on the system

Feature	In Use Standard	Total Standard	Total
Productivity Analytics Client/Developer Stations †	-	-	2
Productivity Analytics Assets †	-	-	24
Enterprise AnalytiX Clients	0	2	2

Figure 4 – AnalytiX tab

Feature	In Use Standard	Total Standard	Total
AlarmMMX 32 Server †	-	-	1
AlarmMMX 64 Server	0	1	1
AlarmMMX Distributable Agents	0	1	1
AlarmMMX Lite Agents	0	1	1
AlarmMMX Phone Agents	0	1	1

Figure 5 – AlarmWorX Multimedia tab

Diagnostics

The Diagnostics tab, lists individual client nodes and the licensing features they are currently using. Any node that is running a licensed feature while pointing to this licensed server is included in the Diagnostics list. Use this tab to locate the nodes that are consuming license counts for this server's license.

Nodes in Red - Machines that tried to get a license and were denied (usually because there were no available licenses of that type) show up in the Diagnostics tab in red and with a zero in the In Use column. Red items will remain in this list for diagnostics purposes until midnight local time, at which point all red items will be cleared. Red items will change to black if the machine tries to connect again and is successful.

You can use the **Filter by Node Name** drop-down list to see the features used by just one node. Clicking the **Export Diagnostic** button opens a dialog box you can use for saving a diagnostic log file. You can email the log file to ICONICS Technical Support for help diagnosing any licensing issues.

Node	Feature	In Use Standard
	MobileHMI Server	1
	GENESIS64 Redundancy	1
	Unified Data Manager	1
	GENESIS64 Application Servers	1

Figure 6 - Diagnostics tab

Tips for Troubleshooting Licensing Issues

Here are some tips for troubleshooting licensing issues:

- Make sure you are pointing to the correct server; the server you are pointing to is displayed in the License Server Node Name field on the Overview tab.
- If you are using a Demo Mode license, your usage time is limited. Look in the License Mode and License Start Time fields on the Overview tab to determine if you are in Demo Mode and if the allowed time has elapsed already.
- Has the license expired? Look in the License Expiration Time on the Overview tab.
- Look in the Remaining columns on the different tabs to make sure the limits set by the license agreement are not being exceeded. If any Remaining columns display a 0 then all of those licenses are in use and new clients looking for those licenses will get a license failure.
- Use the Diagnostics tab to see which ICONICS products and features are being used by which node to be sure you know where your licenses are going.