



Description: Guide to the GENESIS64 license monitor.

OS Requirement: Windows Server 2003 x64/Windows Vista x64/ Windows Server 2008 x64/Windows 7 x64/ Windows Server 2008 R2 x64.

General Requirement: None.

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 three ways to open the License Monitor:

From the Start Menu

Start → All Programs → ICONICS Licensing → ICONICS .NET Licensing > **MonitorWorX Viewer> Licensing** tab

From within the Workbench

Go to the **Tools** tab → **Licensing**.

Or,

Go to the **File** menu, select **Tools**, and then **Licensing**.

License Monitor Tabs

The License Monitor has the following tabs which list detailed information about 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 GENESIS32 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	AnalytX	AlarmWorX Multimedia	Diagnostics
License Server Node Name:					
License Mode:		Good			
Tag Count Mode:		Configured Tags			
License Start Time:		5/24/2012 5:26:59 PM			
Information Updated at Time:		5/24/2012 5:34:52 PM			
Grace Period Expiration Time:		No Timeout			
Grace Period Available:		64 hours (Not Activated)			
Product Version:		10.70.075.00			
Serial Number/Statekey:					
Key Type:		Software Key (Expires on 6/23/2012)			

	In Use	Remaining	Total
GENESIS64 Tags	0	100000	100000
HyperHistorian Tags	0	100000	100000

	In Use	Remaining	Total
GENESIS64 Application Servers	1	0	1
Desktop Enabled Stations	0	1	1
Client Stations	0	32	32

Figure 1: Overview Tab

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 AnalytX AlarmWorX Multimedia Diagnostics			
Feature	In Use	Remaining	Total
GENESIS64 Developer Stations	0	1	1
GraphWorX64 Developer Stations	0	1	1
AlarmWorX64 Developer Stations	0	1	1
HyperHistorian Developer Stations	0	1	1
GraphWorX64 Client Stations	0	5000	5000
TrendWorX64 Client Stations	0	5000	5000
AlarmWorX64 Client Stations	0	5000	5000

Figure 2: GENESIS64 Tab

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	Remaining	Total
ICONICS OPC UA Kepware Standard Servers ↑	-	-	1
ICONICS OPC UA Kepware Premium Servers - Building Automation ↑	-	-	1
ICONICS OPC UA Kepware Premium Servers - IT and Infrastructure ↑	-	-	1
ICONICS OPC UA Kepware Premium Servers - Manufacturing ↑	-	-	1
ICONICS OPC UA Kepware Premium Servers - Oil and Gas ↑	-	-	1
ICONICS OPC UA Kepware Premium Servers - Power Distribution ↑	-	-	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	Remaining	Total
Productivity Analytics Client/Developer Stations	0	2	2
Productivity Analytics Assets	0	24	24
Energy AnalytiX Clients	0	2	2
Energy AnalytiX Assets	0	24	24
Facility AnalytiX Clients	0	2	2
Facility AnalytiX Assets	0	24	24
MobileHMI Clients	0	5000	5000
MobileHMI Server	1	0	1
ReportWorX ↑	-	-	5
BridgeWorX ↑	-	-	5
PortalWorX64 Server	0	1	1

Figure 4: AnalytiX tab

Feature	In Use	Remaining	Total
AlarmWorX MMX32 Server ↑	-	-	1
AlarmWorX MMX64 Server	0	1	1
AlarmWorX MMX Distributable Agents	0	1	1
AlarmWorX MMX Lite Agents	0	1	1
AlarmWorX MMX 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.

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
	Local IO Enabled Stations	1
	MobileHMI Server	1
	AlarmWorX64 Servers	1
	GENESIS64 Application Servers	1
	Unified Data Manager	1

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.