Licensing – Point Count Calculation

APPLICATIONS NOTE

April 2013

Description: Guide to how point count is calculated in the ICONICS licensing schema.
OS Requirement: Windows XP / Windows Vista / Windows 7 / Windows 8 / Windows Server 2003 / Windows Server 2008 / Windows Server 2008 R2 / Windows Server 2012
General Requirement:

ICONICS Licensing

The ICONICS software license monitors the behavior of ICONICS products and may restrict the behavior based on a number of factors. Any or all of these restrictions may be in effect based on the type of license purchased. The types of restrictions that may be monitored by an ICONICS license are:

- Time (the number of days you may use the software)
- Client Units (the amount of software you can run at a time)
- Point Count (the number of process points you may view at a time)
- Individual bits (whether certain portions of the suite are enabled or disabled)

You can view the restrictions of your license with the License Utility (Start → Programs → ICONICS Licensing → ICONICS Licensing → License Utility) or view the current usage of your license with the License Monitor (Start → Programs → ICONICS Tools → License Monitor).

All nodes using ICONICS software must be licensed, whether they are standalone or browser nodes. Licensing may be local (the license exists on the node where it is being used) or remote (the license exists on a different node). Several clients may obtain their permissions from the same license. The License Utility can only be run on the node where the license exists, but the License Monitor can run from any computer with ICONICS software. All nodes must be licensed or the product will function in two-hour demo mode only.

Point Count Calculation

Point count is calculated on a per-client basis. This means that each client running under a license has access to the full amount of points up to the limit, regardless of the number of points another client is using.

For example, a centralized license server system with a GENESIS32-150 base license and two GENESIS32-Browser licenses would allow each client to connect up to 150 points. In this case you can have one client using 75 points, another client using 100 points, and a third client using 150 points.

The fact that the third client is using all 150 points does not affect any of the other clients. However, if the third client attempts to use one more point, bringing its total up to 151, the last point will not work, with the message that point count has been exceeded. Clients 1 and 2 (using 75 and 100 points respectively) will still function. The number of points in use on one machine will not affect the number of points another machine can use, so that a three-client system with 150 point count can view as many as 450 points (150 on each client).

Point count is not calculated on a per-application basis. This means that if one machine is running more than one ICONICS application then the applications will have to share the number of available points. For example (still using our 150-point license), if a machine was viewing a GraphWorX32 display with 125 points and using TrendWorX32 to log 30 other points different from the 125 points being displayed, then it would incur a license failure. If TrendWorX32 were only logging 20 points then the point count for that machine would be below the limit and the license failure would not occur.

Only unique points are counted, therefore, if multiple applications running on the same machine access the same point, each unique point is counted only once.

Point Count with Traditional Client-side DataWorX32 Redundancy

In the case of traditional DataWorX32 client-side redundancy, only the points on the primary node are counted. Points on the backup node do not add to the point count. For example, a system using DataWorX32 redundancy with two redundant servers and accessing 10 redundant points (10 points that exists on both servers) would only count for 10 points.

Point count with WebHMI

Since point count is calculated on a per-client basis the number of WebHMI clients in use does not affect point count. As long as each individual WebHMI client does not exceed the points allowed in the license the system can theoretically have an infinite amount of WebHMI clients and will not exceed the point count (though the number of concurrent WebHMI clients may be restricted elsewhere in the license).