



Platform Services

Running Point Managers



APPLICATION NOTE

September 2013

Description: Guide to running Point managers as separate processes

OS Requirement: Vista x64/ Windows 7 x64/ Windows 8 x64/ Windows Server 2008 x64/ Windows Server 2008 R2 x64/ Windows Server 2012

General Requirement: Knowledge of Workbench64 in v10.8

Introduction

Platform Services is a general term that is used for a group of services and applications that provides data to clients, and allows clients to configure application servers.

The key piece of Platform Services is called the FrameWorX server. It is the communication layer for ICONICS applications. FrameWorX server aggregates requests from clients and retrieves data for them through various data protocols such as OPC DA, OPC HDA, OPC AE, OPC UA, OPC .NET, BACnet, SNMP and web services etc. Naturally each type of data needs a special method of handling, and therefore the FrameWorX server contains separate modules called "Point managers", which are designed to handle specific type of data such as BACnet, OPC DA, SNMP and Database etc...

Point managers typically run as part of the FrameWorX Server service which is the optimal method. However, there might be situations when you want to run some of the Point Managers as separate process or disable them completely to limit the FrameWorX server functionality.

Disabling Point Managers

Disabling Point Managers which are not used is a good option in case you want to limit the functionality of the FrameWorX server. Disabling idle point managers will not increase performance of FrameWorX server notably, but you may want the FrameWorX server to be dedicated for processing just specific data. If you disable a point manager, the FrameWorX server will not be allowed to process the respective data and no inadvertent client may misuse its ability to do so. In order to disable a point manager follow the steps below.

1. Open Workbench and under Tools, click on Platform Services button
2. In the Point Managers tab you may use the Disabled column to disable any of the Point managers.

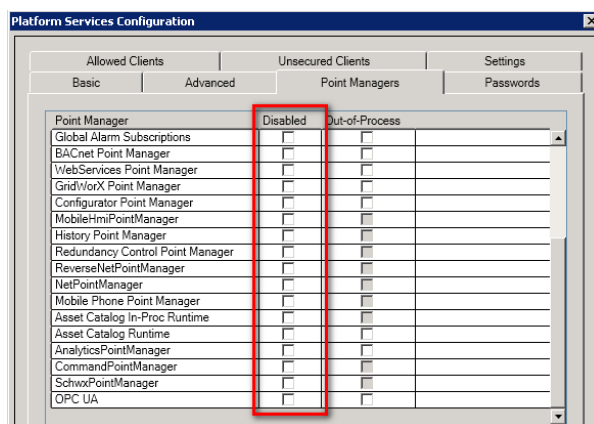


Figure 1 - Disable any Point Manager by Checking its Disabled Checkbox

3. Restart FrameWorX Server from services to let the changes take effect.

Running Point Managers Out-of-process

Out-of-process means that the Point manager will be represented as a separate process in Task Manager. There is typically no point in placing a point manager out of process unless you have a very specific reason. Sometimes it might bring a higher performance but at higher resource cost. Usually the only reason for making the point manager out of process is to troubleshoot the FrameWorX server. Nevertheless in case you need to do so, you can follow the steps below.

1. Open Workbench and under Tools, click on Platform Services button
2. In the Point Managers tab you may use the Out-of-Process column to specify which Point managers should run as separate processes.
3. Restart FrameWorX Server to let the changes take effect.

Note: Most of the Point Managers would be running in a universal FwxPointManagerHost.exe process but there are few which have its own process such as FwxSimulatorService.exe or FwxGridWorXService.exe.