

PI System Management Tools

Overview

PI System Management Tools Overview

The PI System Management Tools (PI SMT) are a feature-rich tools used to administer the PI Servers from client connections. The PI System Manager Tools install kit is included with every PI Server and is available as a separate download. The installer PI System Management Tools includes the following programs. Running the main setup kit will automatically install and run all these individual setup kits.

- PI System Management Tools (PI SMT), with many plug-ins - see below.
- [PI Collective Manager](#)
- PI System Tray
- PowerShell Tools for the PI System
- PI Builder
- [PI Module Database Builder](#)
- [PI Interface Configuration Utility \(PI ICU\)](#)

PowerShell Tools for the PI System is a set of cmdlets for [Windows PowerShell](#) which allows you to manage a PI System. This enables PI System administrators to create powerful, reusable scripts for commonly needed or bulk system management operations. The PowerShell Tools for the PI System is available as an extra on the Tech Support website [PI Data Archive Downloads tab](#).

PI System Management Tools plug-ins

The PI System Management Tools plug-ins include:

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| AF Link (Operation) | View current synchronization status between PI and AF, configure synchronization settings, and setup a new synchronization link between PI and AF |
| Alarm Groups (Alarms) | View, create, organize and delete alarm groups |
| Archives (Operation) | Create and manage PI archives |
| Archive Editor (Data) | View, edit, insert and delete values in PI archives |
| Auto Point Sync list (Interfaces) | Displays PI Interfaces configured to use PI AutoPointSync (PI APS) that write to the selected server(s) |
| Backups (Operation) | View the details of previous backups performed as well as perform ad-hoc backups |
| Batch Custom Names Editor (Batch) | View, create, edit and delete Batch Custom Names for use in BatchView |
| Batch Database (Batch) | View, create, edit and delete batch items from the PI Batch database (including PIProperties, PIUnitBatches and PISubBatches) on PI 3.3 and later servers |
| Batch Generator (Batch) | Create and configure PIUnits for the PIBaGen interface version 2.0.0.9 and higher |
| Current Values (Data) | Display updating snapshot values in real-time |
| Database Security (Security) | View and edit the owner and group access for database security tables |
| Digital States (Points) | Create, edit, delete and copy digital state sets |
| Firewall (Security) | Create, edit, and delete entries in the PI Firewall table |
| Identities, Users, & Groups (Security) | Create, edit, and delete PI Identities, Users, and Groups |
| Interface List (Interfaces) | View, start and stop interfaces |
| Licensing (Operation) | View the PI Server's current License details (PI 3.4.370 and higher) |
| Message Logs (Operation) | View PI Server and local PIPC / PI SDK log files |
| Mappings & Trusts (Security) | Create, edit, and delete PI Mappings and Trusts |

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| Module Database (Operation) | View, configure and edit view Module Databases |
| Network Manager Statistics (Operation) | View PI Network Manager subsystem statistics |
| Performance Equations (Points) | View, create and edit PI Performance Equation points |
| Performance Counters (IT Points) | Create and configure performance monitor tags for the PI Interface for Performance Monitor |
| Ping (IT Points) | Create and configure tags for the PI Interface for Ping |
| PI Services (Operation) | View PI Services on the selected PI Server and see current state |
| PI Version (Operation) | Displays PI server subsystem versions with extended information |
| Point Builder (Points) | View, create, edit and delete PI points for PI 3 systems |
| Point Classes (Points) | View PI Point Classes and PI Attribute Sets |
| Point Source Table (Points) | View existing point sources, add new point sources, and modify the description of the point sources |
| Update Manager (Operation) | View Update Manager statistics |
| Reason Tree (Operation) | Create and manage lists of standard operator comments/codes that can be assigned to Alarm events |
| Security Settings (Security) | Control the security authentication methods supported by the server |
| Snapshot and Archive Statistics (Operation) | Monitor the current snapshot and archive statistics for the connected PI Server |
| SNMP (IT Points) | Configure tags for the PI Interface for SNMP |
| SQC Alarms (Alarms) | Create, manage and view Real-time SQC Alarms |
| Stale and Bad Points (Data) | Displays stale and bad tags |
| Totalizers (Points) | Create and edit PI Totalizer points |
| Tuning Parameters (Operation) | Edit PI Timeout Table (tuning) parameters (PI 3.4 servers only) |

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