

PME Windows services

All PME applications without a user interface run as Windows services. The following table lists all PME services:

Service Name	Startup type	Log on Account	Description
ION Alert Monitor	Manual	Local System *	Receives and processes high-priority alarm and event notifications coming from modem connected meters on remote power monitoring locations. When this happens, the Alert Monitor initiates a communications connection to the remote modem site to download additional logged data (for example, data, events, and waveforms).
ION Application Modules Alarm Services Host	Manual	Local System *	Allows the Event Notification Module (ENM) to read alarms directly from the ION_Data database. Starts on demand from other services (for example, from the Event Notification Module).
ION Application Modules Core Services Host	Automatic	Local System *	Hosts common web services used by the Web Applications component.
ION Application Modules Data Services Host	Automatic	Local System *	Hosts web services that provide low-level access to system data (that is, real-time, historical, alarming, and authentication) for the Web Applications component.

ION Application Modules Provider Engine Host	Automatic	Local System *	Hosts web services that provide data processing for the Web Applications component.
ION Cloud Agent Service	Automatic	Local System *	Manages interaction with cloud services.
ION Component Identifier Service	Manual	Local System *	Locates local and remote product components. Starts shortly after startup by request of ION Connection Management Service.
ION Connection Management Service	Manual	Local System *	Determines the connection status of sites and devices in the system, and handles allocation of resources such as modems. This service manages the state of site and device connectivity for the system. In order to establish the most appropriate state for the system, each connection and disconnection request is evaluated against the overall state of the system and availability of communications channels. Starts shortly after startup by request of ION Network Router Service.

ION Diagnostics and Usage Service	Automatic	Local System *	Collects basic, non-identifying information from the Power Monitoring Expert system and uploads it to a secure location on the cloud for data mining by Schneider Electric. Customers can opt-in or opt-out at any time.
ION Event Watcher Service	Automatic	Local System *	Monitors system events for conditions specified in Event Watcher Manager.
ION Log Inserter Service	Automatic	Local System *	Provides historical data collection for the power monitoring system (that is, devices and Virtual Processor), and stores it in the ION_Data database.
ION Log Subsystem Router Service	Automatic (Delayed Start)	Local System *	Transfers data received from power monitoring devices to storage and processing.
ION Managed Circuit Service	Automatic	Local System *	This service is used to create individual real-time and historical data sources for multi-circuit meters.
ION Network Router Service	Automatic	Local System *	Routes all ION requests between the software components, such as client workstations, the Real Time Data Service, Log Inserter, and the Query Server. The service dynamically detects changes to the network configuration, including the addition of new servers. It can also recognize new software nodes, such as Vista, that are added to an existing server.

ION OPC Data Access Server	Manual	Local System *	Serves real-time OPC data (that is, OPC DA) to OPC client applications. Starts on an OPC client request for data, if the OPC DA server license has been activated.
ION PQDIF Exporter Service	Manual	Local System *	Translates power quality data from the ION_Data database into PQDIF file format and manages scheduled PQDIF exports.
ION Query Service	Automatic	Local System *	Provides historical data retrieval from the ION_Data database for client applications (for example, Vista and Diagrams).
ION Real Time Data Service	Automatic	Local System *	Manages and provides access to real-time data for all client applications (Vista, Diagrams, Trends, and so on).
ION Report Subscription Service	Automatic (Delayed Start)	Local System *	Runs Reports subscriptions according to user-defined schedules. Starts several minutes after the server starts.

ION Site Service	Automatic	Local System *	Manages communication links to and from the product. ION Site Service is responsible for handling packet communications to system devices and controlling direct device communications. The service reacts to changes in network configuration: for example, changes to certain channels, configuration parameters, ports, or device parameters can often interrupt a connection.
ION Software Data Processing Service	Automatic (Delayed Start)	Local System *	Performs evaluations based on real time data from the power monitoring system.
ION Software Modbus Gateway Service	Manual	Local System *	Enables software data services via ModbusTCP/IP, and is treated like a device in Management Console. For example, the Circuit Breaker Aging Service uses this service.
ION Virtual Processor Service - NVIP.DEFAULT	Automatic	Local System *	Provides aggregation, control, and mathematical analysis of power monitoring system data.
ION Virtual Processor Service – NVIP.PQADVISOR	Automatic	Local System *	Serves data for the Power Quality Performance diagrams. Functions only when the Power Quality Performance module is licensed and configured.

ION XML Subscription Service	Automatic	Local System *	Manages subscriptions to XML data for Vista user diagrams. This service is used only by the Diagrams application. When you open a Vista user diagram in a web browser, the ION XML Subscription Service creates a subscription and delivers the real-time data in XML format.
ION XML Subscription Store Service	Automatic	Local System *	Stores XML data subscriptions for the power monitoring devices on the network. This service is used only by the Diagrams application.
ImadminSchneider	Automatic	Local Service	This service runs the FlexNet Publisher License Server Manager.
SQL Server (ION)	Automatic	Local System *	Provides storage, processing and controlled access of data, and rapid transaction processing for the ION_Data, ION_Network, ION_SystemLog, and the ApplicationModules databases.
SQL Server Agent (ION)**	Automatic	Local System *	Provides scheduling for report subscriptions in non-SQL Server Express systems. (This service is not part of SQL Server Express.)

* When PME is installed with SQL Integrated Authentication, then the Windows account that is used to access the database, is also used to run the PME services, instead of the Local System account.

** This service only exists on systems with SQL Server, not SQL Server Express.