

This document contains information about EmVue v1:

- **Features** - An overview of the key features in version 1 Initial Release (1.0)
- **System requirements**
- **Installation**

Features

EmVue is an energy data management software, providing information that meets the requirements of energy experts while being simple and quick to implement. By collecting metering data, EmVue is able to compute energy data and KPI to help you understand and keep track of your energy consumption.

Key benefits:

- Visibility on energy consumption
- Ready-made dashboards
- Predefined widgets and charts
- On-premise deployment

Configuration

Meters are easily configured offline, either one by one or en masse by simply importing the PcVue variable configuration.

Data ingestion

EmVue collects data from PcVue archives via the Web Services Toolkit API. Meter index, measured power or energy quantities can be collected and processed.

Energy data computation

EmVue implements a variety of algorithms to normalize raw data including:

- Filtering - To eliminate raw data you do not want to trust, bad quality, out of range...
- Integration - To turn a real time power value into an energy quantity for example
- Scaling - To facilitate unit conversion and data comparison
- Slicing and consolidation - To aggregate data over time periods that count and provide instant drill-down

Dashboard

Dashboard and charts are automatically and immediately available based on the meters you have configured. The more input you add, the better are the charts you get. For example, configure a weather station or simply add a datapoint for the external temperature, and you instantly get degree-day values.

Dashboard capabilities:

- View daily, monthly, and yearly consumption
- Compare day-to-day, weekday-to-weekday, month-to-month, year-to-year
- Compare reference consumption against actual consumption
- Cooling and heating degree days
- Export chart data to Excel

Installation and deployment

- Support for Microsoft® Windows 11 and Windows Server 2022
- Support for PostgreSQL 16.4
- The web portal is available in English, French and German

The EmVue connector for PcVue Web Services is compatible with PcVue 16.2.4 onward.

System requirements

Operating systems

Only operating systems from the Microsoft® families Windows 11 and Windows Server 2022 are supported.

Supported and operational

- Windows 11 - Professional and Enterprise Editions
- Windows Server 2022 - Essentials, Standard and Datacenter Editions

All operational versions of Windows Server shall be installed with the 'Desktop Experience' option.

Operational but may have limitations in use

Please contact the technical support before using:

- Windows 11 IoT Enterprise, Windows Server IoT 2022
- Any operating systems hosted in a system virtual machine such as Microsoft® Hyper-V and VMWare® virtualization products

NOT supported

- Windows Server installation in Nano Server or Server Core mode

For all operational versions of Windows 11, only the x64 processor architecture is supported.

The software requires .NET Framework 4.8 and cannot run on an operating system if .NET Framework 4.8 is not preinstalled or cannot be installed separately.

For all platforms, we recommend that you apply any critical updates available from the Windows Update web site.

For any other Microsoft® operating system, please contact the Technical Support.

Supported Web browsers

Desktop web browsers:

- Google Chrome™ 126.0 and later
- Mozilla Firefox™ 126 and later
- Microsoft Edge™ 126.0 and later

Mobile web browsers:

- Google Chrome™ for Android™ 126.0 and later
- Apple Safari® for iOS™ 12.4.3 and later
- Android WebView™ 126.0 and later

Supported PostgreSQL database engine

- PostgreSQL 16.4

Recommended minimum PC configuration

- Processor - x64-compatible AMD or Intel CPU (or equivalent) - 1.4 GHz dual 8 cores.
- Memory - 8 GB of RAM.
- Storage - At least 50 GB (archive data not included).

The above figures represent the minimum requirements. For advice on specific applications, please contact the Technical Support.

Installation

EmVue shall be installed and run on a Web server host.

Prerequisites:

- The IIS web server is installed
- PostgreSQL is installed

The EmVue installation process performs the following actions:

1. Installation of the EmVue service and registration as part of the Windows services
2. Deployment of the EmVue web portal in IIS
3. Creation of the configuration and historian databases if none exist

You can select the license file during the installation process, otherwise, EmVue will run in trial mode, limited to 1 meter. The License Utility shall be used to generate the host fingerprint so that your EmVue license can be issued via your reseller.

Before configuring the EmVue connector for PcVue, make sure you have a PcVue Web backend station installed, and the Web server deployed.

Using the Web Deployment Console:

- Deploy the Web Services Toolkit on the web server
- Add EmVue as a new Client so that it can interact with the PcVue authorization server

See the Installation help for more information and help about prerequisites and the installation process itself.

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