

Enerplot - System Requirements (v1.0 Released and Beta Editions)

This document covers requirements for installing, licensing, and running the Enerplot v1.0 Released and Beta Editions.

1. USAGE

Category	Requirements
Operating System	Supported on the following 64-bit editions of Microsoft® Operating Systems: - Officially supported on: Windows 7 SP1 64-bit, Windows 10 64-bit - Other: Windows 11, Windows Server 2008 R2 SP1 or better, Window Servers 2012/2016/2022 Note – It may be possible to run on a virtual machine. Contact Support for details. Not supported on any of the following Microsoft® Operating Systems: - A 32-bit edition - Windows XP, Windows Vista, Windows 7 SP0, Windows 8, and Windows 8.1
Prerequisite Software	For Enerplot v1.0.0: - Microsoft® Visual C++ 2017 Redistributables (x86 and x64)^{[1][2]} - Microsoft® .NET Framework 4.6.1 Full, minimum^[2] For Enerplot v1.1.0 and the Beta Edition: - Microsoft® Visual C++ 2022 Redistributables (x86 and x64)^{[1][2]} - Microsoft® .NET Framework 4.8^[2]
Launching and Running	Microsoft® Windows User privileges
Licensing	See Section 3
Execution Permissions	The Enerplot application executable file must be whitelisted in all protection software: C:\Program Files (x86)\Enerplot\<version>\bin\Win64\Enerplot.exe
Folder Permissions	The following sub-folders will be created; the user must have full file/folder permissions: - For your settings files: C:\Users\Public\Documents\Manitoba Hydro International\Licensing\Settings - For your log files: C:\Users\Public\Documents\Manitoba Hydro International\Licensing\Logs

2.a INSTALLATION – General

Category	Requirements
Registry Keys Permissions – Enerplot v1.0.0	32-bit registry keys: - HKCR\epbx - HKCR\epwx - HKLM\Software\Wow6432Node\Manitoba Hydro International\Enerplot\1.0.0 64-bit registry keys: - HKLM\Software\Manitoba Hydro International\Enerplot\1.0.0 - HKLM\Software\Microsoft\Windows\CurrentVersion\Uninstall\Enerplot 100 x64

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Registry Keys Permissions – Enerplot v1.1.0

32-bit registry keys:

- HKCR\epbx
- HKCR\epwx
- HKLM\Software\Wow6432Node\Manitoba Hydro International\Enerplot\1.1.0

64-bit registry keys:

- HKLM\Software\Manitoba Hydro International\Enerplot\1.1.0
- HKLM\Software\Microsoft\Windows\CurrentVersion\Uninstall\Enerplot 110 x64

Registry Keys Permissions – Enerplot Beta

32-bit registry keys:

- HKCR\epbx
- HKCR\epwx
- HKLM\Software\Wow6432Node\Manitoba Hydro International\Enerplot\Beta

64-bit registry keys:

- HKLM\Software\Manitoba Hydro International\Enerplot\Beta
- HKLM\Software\Microsoft\Windows\CurrentVersion\Uninstall\Enerplot Beta x64

SCCM, PSAppDeploy, or Intune

Successful installation via these products is **not** currently supported or guaranteed.

2.b INSTALLATION – Installer Utility (Used for Installing Released Editions, e.g. v1.0.0)

Category	Requirements
General Requirements	As listed in Section 2.a
Operating System	Any of the following Microsoft® Windows Operating Systems (64-bit editions): • Preferred: Windows 7 SP1, Windows 10 • Other: Windows 11, Windows Server 2008 R2 SP1 or better, Windows Servers 2012/2016/2022 Note – It may be possible to run on a virtual machine. Contact Support for details. Not supported on Windows 7 SP0 or older, or Windows 8, or Windows 8.1
Downloading	Internet connection
Running	Microsoft® Windows Administrator privileges The user must have full permissions for the following path: C:\Users\Public\Documents\
Logging	The following sub-folder will be created, and the user must have full permissions: C:\Users\<Your_UserID>\AppData\Local\Manitoba HVDC Research Centre\Installer

2.c INSTALLATION – MyUpdater (Used for Installing Unreleased Editions, e.g. Beta Edition)

Category	Requirements
General Requirements	As listed in Section 2.a
Access to Product Downloads	Add the first or both of the following URLs to all anti-virus/firewall whitelists: https://products.pscad.com ftp://ftps.pscad.com

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Installing	Microsoft® Windows Administrator privileges Internet connection
Launching (to Install or Update Software)	Microsoft® Windows Administrator privileges Internet connection
Launching (to Uninstall Software)	Microsoft® Windows Administrator privileges
Launching (to Launch Installed Software)	Microsoft® Windows User privileges (unless otherwise specified)
Connection to Publication Server	Add the first or both of the following URLs to all anti-virus/firewall whitelists: • http://publisher.pscad.com:80/ • net.tcp://publisher.pscad.com:443/
Supported Protocols	TLS 1.0, TLS 1.1, TLS 1.2
Proxy support	Not all proxy servers or proxy configurations are supported. Operation with NTLM, SAML, OIDC and Certificate authentication proxies is not supported at all. If your proxy server or proxy configuration is not supported, the proxy server will need to be bypassed for all MyUpdater traffic to the specified URLs above. Alternatively you can contact our support desk for alternative download instructions.
HTTP Service	Add to all anti-virus/firewall whitelists: http://publisher.pscad.com/Updater/ClientService

3. CERTIFICATE LICENSING

Category	Requirements
Certificate	MyCentre user account with access to a licensed WorkGroup
Operational Requirements	Supported on a local desktop, or remote desktop, or over virtual private network (VPN). Not guaranteed in a cloud desktop environment, but could be verified using diagnostic tools.
Connection to the License Server	MHI Product must be permitted to communicate with the License Server over the Internet: • Add the following two URLs to all anti-virus/firewall whitelists: http://licensing.pscad.com:80/Licensing net.tcp://licensing.pscad.com:443/Licensing • If there is a proxy server, then communication to the server must either be permitted through the proxy server or bypassed around the proxy server (see below).
Proxy support	Not all proxy servers or proxy configurations are supported. Operation with NTLM, SAML, OIDC and Certificate authentication proxies is not supported at all. If your proxy server or proxy configurations is not supported, the proxy server will need to be bypassed for all licensing traffic.
Activate/Release/Refresh a Certificate	Microsoft® Windows User Privileges Internet connection
Using Certificates	The following sub-folders will be created for certificates:

- Path: C:\Users\<Your_UserID>\AppData\Local\Manitoba Hydro International\Licensing\Licenses
- Required permissions: FullControl for <Your_UserID>

The following sub-folder should already exist and will be used:

- Path: C:\ProgramData\Microsoft\Crypto\RSA\MachineKeys
- Required permissions: Read, Write for Everyone

Supported Protocols

For Enerplot v1.0.0:

- TLS 1.0

For Enerplot v1.1.0, and Beta Edition:

- TLS 1.0, TLS 1.1, TLS 1.2

4. DIAGNOSTIC TOOLS

Feature	Requirements
Viewing Log Files	Microsoft® Windows User Privileges

Notes

1. Both the 32-bit and 64-bit editions of Visual C++ Redistributables are required on your Windows 64-bit Operating System.
2. If this prerequisite software is not already installed, the user will be prompted to install it when Enerplot is installed.

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DOCUMENT TRACKING

Rev.	Description	Date
0	Initial	14/Feb/2019
1	Registry Key Permissions added to Section 2	07/Dec/2020
2	Update to logo. Update to title and addition of introductory sentence Update to include Beta editions and Enerplot v1.1.0 Chart 1: Updated Windows Operating Systems Chart 2.a: Added Registry keys for v110 and Beta Chart 2.b: Added supported operating systems; Added required path permissions Chart 2.c: Added license server addresses; Added supported protocols Chart 3: Added required path permissions; Added supported protocols	29/Sep/2022
3	Changed Support Desk links to here ; Update to operating systems	15/Feb/2023
4	Specifying no support for SCCM, PSAppDeploy, or Intune (Chart 2.a)	02/Jul/2026
5	Updating limitations regarding proxy servers (Charts 2.c, 3) Specified HTTP Service for MyUpdater (Chart 2.c)	07/Aug/2026