

Enerplot - System Requirements (Released and Beta Editions)

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

1. USAGE

Category	Requirements
Operating System	<p>Supported on the following 64-bit editions of Microsoft® Operating Systems:</p> <ul style="list-style-type: none"> • 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 <p>Note – It may be possible to run on a virtual machine. Contact Support for details.</p> <p>Not supported on any of the following Microsoft® Operating Systems:</p> <ul style="list-style-type: none"> • A 32-bit edition • Windows XP, Windows Vista, Windows 7 SP0, Windows 8, and Windows 8.1
Prerequisite Software	<p>For Enerplot v1.0.0:</p> <ul style="list-style-type: none"> • Microsoft® Visual C++ 2017 Redistributables (x86 and x64)^{[1][2]} • Microsoft® .NET Framework 4.6.1 Full, minimum^[2] <p>For Enerplot v1.1.0 and the Beta Edition:</p> <ul style="list-style-type: none"> • 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	<p>The Enerplot application executable file must be whitelisted in all protection software:</p> <ul style="list-style-type: none"> • C:\Program Files (x86)\Enerplot\<version>\bin\Win64\Enerplot.exe
Folder Permissions	<p>The following sub-folders will be created; the user must have full file/folder permissions:</p> <ul style="list-style-type: none"> • 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	<p>32-bit registry keys:</p> <ul style="list-style-type: none"> • HKCR\.epbx • HKCR\.epwx • HKLM\Software\Wow6432Node\Manitoba Hydro International\Enerplot\1.0.0 <p>64-bit registry keys:</p> <ul style="list-style-type: none"> • 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

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	<p>Any of the following Microsoft® Windows Operating Systems (64-bit editions):</p> <ul style="list-style-type: none"> • Preferred: Windows 7 SP1, Windows 10 • Other: Windows 11, Windows Server 2008 R2 SP1 or better, Windows Servers 2012/2016/2022 <p>Note – It may be possible to run on a virtual machine. Contact Support for details.</p> <p>Not supported on Windows 7 SP0 or older, or Windows 8, or Windows 8.1</p>
Downloading	Internet connection
Running	<p>Microsoft® Windows Administrator privileges</p> <p>The user must have full permissions for the following path:</p> <p>C:\Users\Public\Documents\</p>
Logging	<p>The following sub-folder will be created, and the user must have full permissions:</p> <p>C:\Users\<Your_UserID>\AppData\Local\Manitoba HVDC Research Centre\Installer</p>

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	<p>Add the first or both of the following URLs to all anti-virus/firewall whitelists:</p> <p>https://products.pscad.com</p> <p>ftp://ftps.pscad.com</p>
Installing	<p>Microsoft® Windows Administrator privileges</p> <p>Internet connection</p>

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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: <ul style="list-style-type: none"> • http://publisher.pscad.com:80/ • net.tcp://publisher.pscad.com:443/
Supported Protocols	TLS 1.0, TLS 1.1, TLS 1.2

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	Add the following two URLs to all anti-virus/firewall whitelists: <ul style="list-style-type: none"> • http://licensing.pscad.com:80/Licensing • net.tcp://licensing.pscad.com:443/Licensing
Activate/Release/Refresh a Certificate	Microsoft® Windows User Privileges Internet connection
Using Certificates	The following sub-folders will be created for certificates: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Path: C:\ProgramData\Microsoft\Crypto\RSA\MachineKeys • Required permissions: Read, Write for Everyone
Supported Protocols	For Enerplot v1.0.0: <ul style="list-style-type: none"> • TLS 1.0 For Enerplot v1.1.0, and Beta Edition: <ul style="list-style-type: none"> • 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.

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