



Requirements – The PSCAD Initializer

1. USAGE

Category	Requirements
Operating System	Microsoft® Windows 7 SP1 64-bit and Microsoft® Windows 10 64-bit ^[1]
Prerequisite Software	Microsoft® Visual C++ 2017 Redistributables (x86 and x64), minimum ^[2] Microsoft® .NET Framework 4.6.1 Full, minimum ^[3]
Launching and Running	Microsoft® Windows User privileges
Licensing	See Item 3, below
Execution Permissions	The Initializer application executable file must be whitelisted in all protection software: <ul style="list-style-type: none">The path may be set generally, as: %PROGRAMFILES%\PSCAD InitializerOr, the path may be specified as: C:\Program Files (x86)\PSCAD Initializer\bin\Initialization.exe
Folder Permissions	The following sub-folders will be created; the user must have full file/folder permissions: <ul style="list-style-type: none">For your settings files: C:\Users\Public\Documents\Manitoba Hydro International\Licensing\SettingsFor your log files: C:\Users\Public\Documents\Manitoba Hydro International\Licensing\Logs

2.a INSTALLATION – Installer Utility

Category	Requirements
Downloading	Internet connection
Running	Microsoft® Windows Administrator privileges
Log File Folder Permissions	The following sub-folders will be created; the user must have full file/folder permissions: <ul style="list-style-type: none">C:\Users\<user_id>\AppData\Local\Manitoba HVDC Research Centre\Installer

2.b INSTALLATION – MyUpdater

Category	Requirements
Installing	Microsoft® Windows Administrator privileges Internet connection
Access to Product Downloads	Add the first or both of the following URLs to all anti-virus/firewall whitelists: <ul style="list-style-type: none">https://products.pscad.comftp://ftps.pscad.com
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\user_id\AppData\Local\Manitoba Hydro International\Licensing\Licenses• Required permissions: FullControl for <user_id> 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	TLS 1.0, TLS 1.1, TLS 1.2

4. DIAGNOSTIC TOOLS

Category	Requirements
Viewing Log Files	Microsoft® Windows User Privileges

Notes

1. The Initializer is not supported on a 32-bit operating system.
2. Both the 32-bit and 64-bit editions of Visual C++ Redistributables are required.
3. If this prerequisite software is not already installed, the user will be prompted to install it when the Initializer is installed.



DOCUMENT TRACKING

Rev.	Description	Date
0	Initial	14/Feb/2019
1	Added required permissions re executable files, folders and websites; Added supported protocols	31/Dec/2019
2	Removed support for 32-bit application and operating system	10/Jan/2020
3	Update to folder permissions in Chart 3	27/Oct/2020