



PSCAD™

Using the Installer Utility to install the PSCAD Free Edition

Written for:

PSCAD X4 Free Edition

Certificate Licensing

November 26, 2019

Revision 6



Powered by Manitoba Hydro International Ltd.
211 Commerce Drive
Winnipeg, Manitoba
R3P 1A3 Canada
mhi.ca





Contents

1. INTRODUCTION	1
1.1 OVERVIEW	1
1.2 PERIODIC UPDATES.....	1
2. SETUP.....	2
2.1 REQUIREMENTS	2
2.2 INSTALLING THE SOFTWARE.....	3
2.2.1 PSCAD Free Edition.....	3
2.2.2 GFortran.....	4
2.3 LAUNCHING THE PSCAD FREE EDITION.....	5
2.3.1 Using the Desktop Shortcut	5
2.3.2 Using MyUpdater.....	5
2.4 LICENSING THE PSCAD FREE EDITION.....	6
3. RESOLVING ISSUES	7
3.1 SOFTWARE INSTALLATION ISSUES	7
3.2 MYCENTRE LOGIN ISSUES	8
3.2.1 General Login Tips.....	8
3.2.2 Resetting your Password.....	9
3.2.3 Blocked E-mails	11
APPENDIX A: RESOURCES FOR NEW USERS	12



1. Introduction

1.1 Overview

The Installer utility is a new tool that was developed to address some issues that some customers have been experiencing.

MyUpdater is a utility that is normally used to download and update products assigned to a user's MyCentre account. When the MyUpdater utility is launched, MyCentre account login credentials are entered, and the utility retrieves a listing of your authorized products, along with their last published date. When the user elects to install or update a product, the utility uses FTPS to download the product files, and then installs them.

However, in some limited number of situations:

The MyUpdater utility login does not work, due to an unsupported network proxy configuration, or

The MyUpdater is unable to list a user's authorized products and product information due to an unsupported network proxy configuration.

The MyUpdater utility login does work and does display a user's authorized products, but the utility cannot download any files because the user's institution or network security is blocking the FTPS protocol.

In either case, one alternative is to connect your computer to a different network, for example your home network, and see whether MyUpdater may be used. Or, follow instructions in this document to perform the installation using the new Installer utility.

The Installer utility is designed to address the two situations listed above in order to install and run the PSCAD Free Edition.

1.2 Periodic Updates

This Installer utility is not designed, as is MyUpdater, to notify a user when an update to the software has been posted. Therefore, it is recommended to periodically perform this installation (every month or two), to ensure you have as recent a version as possible.

2. Setup

2.1 Requirements

The following are requirements for the Free Edition:

Requirement	Installation	Launching
Windows 7 SP1 or better, 64-bit Operating System	✓	✓
Microsoft Visual C++ 2015 Redistributable (x86 and x64), or Microsoft Visual C++ 2017 Redistributable (x86 and x64)	✓	✓
.NET Framework 4.4 Full, minimum	✓	✓
Windows Administrator privileges	✓	X
MyCentre User Account (https://mycentre.hvdc.ca) ^[1]	✓	✓
Installer ^[2]	✓	X
The Free Edition executable file must be whitelisted in all protection software: C:\Program Files (x86)\PSCADFree\bin\win\PscadFree.exe	X	✓
To license the Free Edition, at least one of the following URLs must not be blocked (these URLs should be added to all anti-virus and firewall whitelists): ^[3] http://licensing.pscad.com:80/Licensing (mandatory) net.tcp://licensing.pscad.com:443/Licensing (optional)	X	✓
To run PSCAD cases, a compatible Fortran compiler must be used. ^[4]	X	X

1. Register a MyCentre user account at <https://mycentre.hvdc.ca/register>

Note

An account entitles the user to the Free Edition software and licensing.

2. See Section 2.2 for download and setup.
3. Do not use this information to update any settings in the PSCAD application. This information should only be used for white-listing in anti-virus and firewall software.
4. This procedure will install GFortran 4.2 and 4.6, both of which are compatible with the PSCAD Free Edition.

2.2 Installing the Software

2.2.1 PSCAD Free Edition

Install the PSCAD Free Edition as follows:

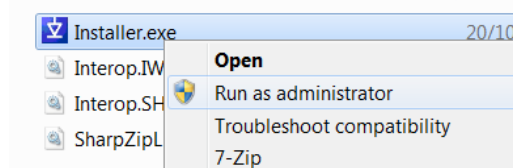
Notes

1. Review the requirements as per Section 2.1.
 2. If you encounter any installation issues, refer to Section 3.1.
 3. This procedure will not install the GFortran 4.2 and GFortran 4.6 compilers. These will be installed separately, as per Section 2.2.2.
- a. Download the software from this [link](#), unzip the top-level file, called “PSCAD_Free_Installer.zip”, and save the files to a folder on a local drive (e.g. desktop).

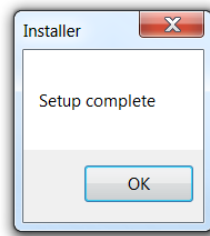
Warning

Do not unzip any of the other downloaded zipped sub-files.

- b. Right-click on the unzipped “Installer.exe” file, and select “Run as administrator”.



- c. When prompted by the User Account Control dialog box, select the option to run this installation with Windows administrator privileges by selecting “Yes”.
- d. The “Installer” will launch, and install the software. When the installation is complete, the message as shown below will display.

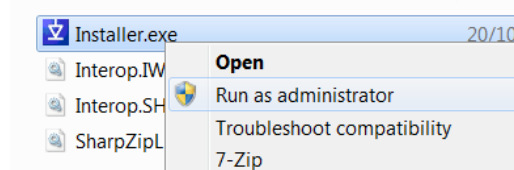


- e. Select “OK”, and the Installer will close.
- f. The Free Edition will be installed. Also, a link to launch the Free Edition will be created on your desktop. Proceed to Section 2.2 to install a GFortran compiler if required, then to Section 3 to launch the Free Edition.

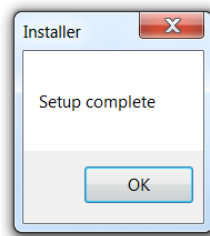
2.2.2 GFortran

If you do not have a commercial FORTRAN compiler, for example the Intel Parallel Studio XE Composer Edition for Fortran, then install one or both of the free GFortran compilers as follows (the more recent version is preferred (v4.6.)):

- a. Obtain the download as follows:
 - For GFortran v4.2, download the software from this [link](#), unzip the top-level file called “GFortran42_Installer.zip”, and save the files to a folder on a local drive (e.g. desktop). Do not unzip any of the other downloaded zipped sub-files.
 - For GFortran v4.6, download the software from this [link](#), unzip the top-level file called “GFortran46_Installer.zip”, and save the files to a folder on a local drive (e.g. desktop). Do not unzip any of the other downloaded zipped sub-files.
- b. Right-click on the unzipped “Installer.exe” file, and select “Run as administrator”.



- c. When prompted by the User Account Control dialog box, select the option to run this installation with Windows administrator privileges by selecting “Yes”.
- d. The “Installer” will launch. You will be prompted to select a location for the Program Files.
- e. When the installation is complete, you will be advised to log out and log in to Windows to apply the changes to your environment. Select OK.
- f. Select OK when the following message displays. The Installer will close.



- g. Log out and log back in to Windows (or restart your computer) to apply the changes, then proceed to Section 2.3 to launch the PSCAD Free Edition.

2.3 Launching the PSCAD Free Edition

Once the Free Edition has been installed as per Section 2.2, it may be launched in one of the two manners listed below.

2.3.1 Using the Desktop Shortcut

- Double-click on the desktop shortcut:



- Proceed to Section 2.4 to license the software.

2.3.2 Using MyUpdater

Note

This method is only available if you are able to log in to MyUpdater and see your list of products. Otherwise, follow instructions in Section 2.3.1 above to launch the Free Edition.

- If MyUpdater is not installed, this may be installed by opening a web browser to the link below, and selecting “Install”).

<http://updater.pscad.com/utilities/MyUpdater.zip>

- If not already running, launch MyUpdater (from the Windows Start menu, browse to the link “MyUpdater”).
- When prompted by the Windows User Account Control dialog box, select the option to run this installation with Windows administrator privileges by selecting “Yes”.
- Log in using your MyCentre user credentials when prompted.

Warning

Refer to Section 3.2.1 for login tips and troubleshooting.

- Select the “Run” link to launch the software.
- Proceed to Section 2.4 to license the software.

2.4 Licensing the PSCAD Free Edition

Once the Free Edition has been launched per Section 2.3, it may be licensed as follows:

- a. If prompted, enter your MyCentre login credentials.

Note

Refer to Section 3.2.1 for login tips and troubleshooting.

- b. A temporary certificate will be activated, and the Free Edition will be available to use.

When a certificate is activated, a temporary, renewable certificate is checked out on a user's machine. The certificate may either remain checked out (retained) on the user's machine, or returned to the server when the Free Edition is closed. If the certificate is retained, it can remain checked out to a machine for a specified duration with no Internet connection, but will be refreshed to a new period whenever the software is launched with Internet connection.

Once a certificate is activated, it may be used to run multiple instances of the PSCAD Free Edition on that machine, the number of instances being limited only by the machine's memory size.

- c. For new PSCAD users, a listing of resources is available in Appendix A.

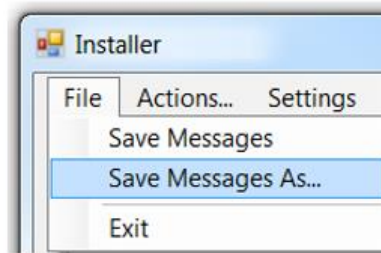
3. Resolving Issues

Refer as follows if you encounter any issues:

- See Section 3.1 for software installation issues
- See Section 3.2 for MyCentre login issues

3.1 Software Installation Issues

If any error messages display while using the Installer, please send in a support request to our Support Desk for assistance (from the “File” menu, select “Save Messages As”, and send in the log file along with a detailed description of the issue to support@pscad.com).



3.2 MyCentre Login Issues

This section provides assistance if MyCentre login issues are encountered:

- See Section 3.2.1 for general login tips.
- See Section 3.2.2 if a password is forgotten.
- See Section 3.2.3 if a temporary password is not received.

3.2.1 General Login Tips

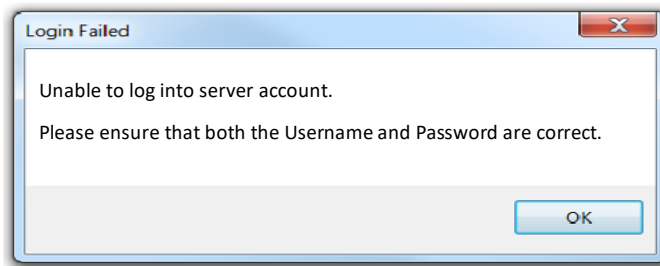
The following are general MyCentre login tips:

- In the “Username” field, you may enter either the username (case sensitive) or e-mail address associated with your MyCentre user account.
- In the “Password” field, enter the password (case sensitive) associated with your MyCentre user account.

Note

Ensure that you are not entering your Windows or network login password.

- If incorrect login credentials are entered, an error message will display. Select “OK”, and you will be prompted to retry entering your MyCentre login credentials.



Warning

Too many incorrect login attempts will cause your MyCentre user account to be locked for a period of time.

- If you have forgotten your password, it may be reset as per Section 3.2.2.
- If you have not received the automatically-generated e-mail containing the password information following MyCentre registration or password reset, see Section 3.2.3.
- For any ongoing login issues, please contact our support desk (support@pscad.com). Include your MyCentre username and e-mail address, as well as screenshots of any error messages.

3.2.2 Resetting your Password

If you have forgotten your password, it may be reset as follows:

- a. Go to the “Log In” page:

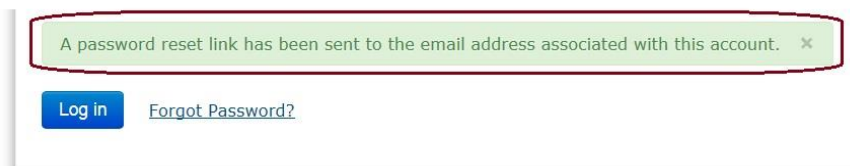
<https://mycentre.hvdc.ca/login>

- b. Fill in the page as shown:



The screenshot shows the 'Log In' page. At the top, it says 'Log In' in blue. Below that, it says 'Or Register a new account.' There are two input fields: 'Username' with the placeholder text 'username or email address' and 'Password' with the placeholder text 'password'. Below the password field is a checkbox labeled 'Keep me logged in'. At the bottom left is a blue 'Log in' button. To its right is a link 'Forgot Password?'. Two annotations are present: '1. Enter your username or e-mail address' with a line pointing to the username field, and '2. Select "Forgot Password?"' with a line pointing to the 'Forgot Password?' link.

- c. You will be notified that your password has been reset, and that a reset link has been e-mailed to you.

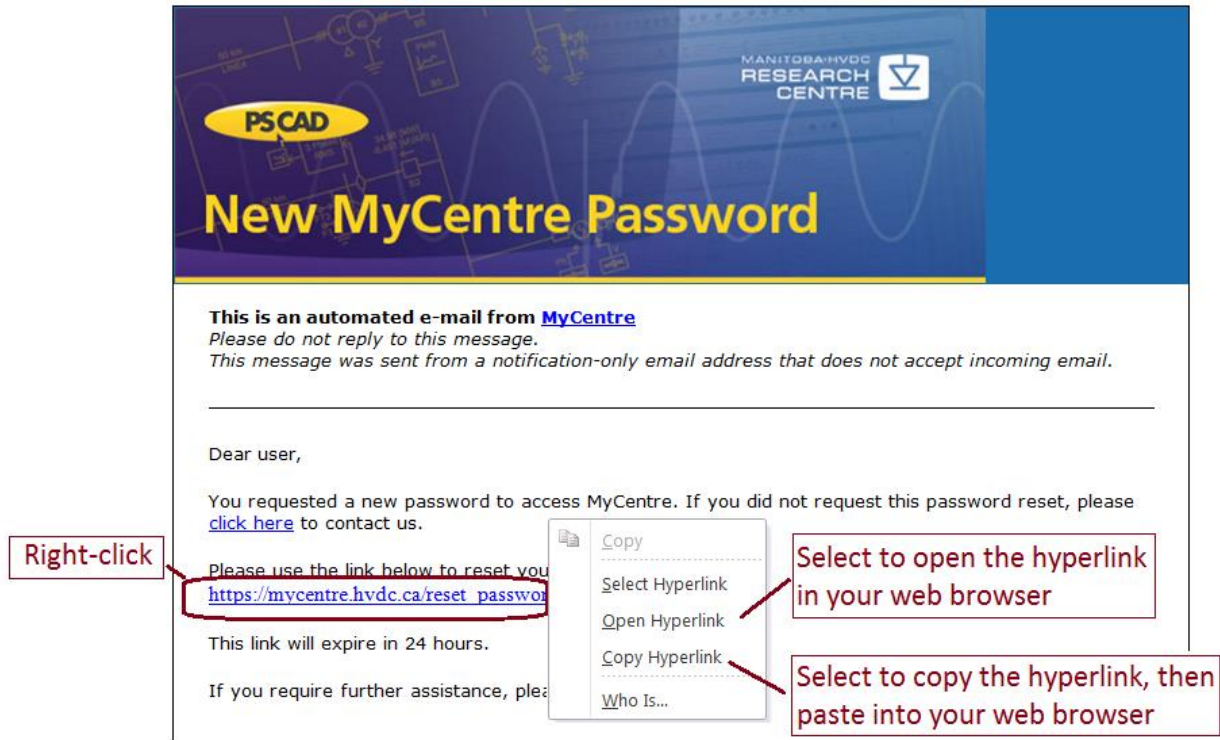


The screenshot shows a notification message in a green box with a red border. The message text is 'A password reset link has been sent to the email address associated with this account.' followed by a close button 'x'. Below the notification, there is a blue 'Log in' button and a link 'Forgot Password?'.

Note

4. If you have not received an e-mail with a temporary password within a few minutes, refer to Section 3.2.3.

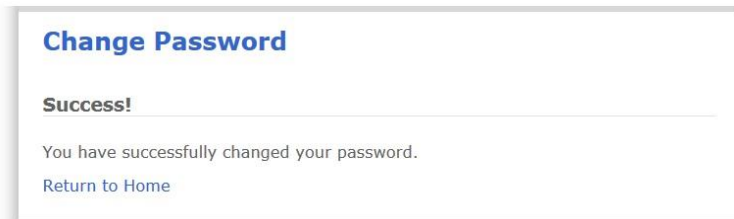
- d. In the generated e-mail, follow the link provided to display the login reset webpage. The two methods for displaying this webpage are shown in the following screenshot:



- e. When prompted, reset your password as shown:



- f. If the password reset was successful, you will be notified as shown. Selecting "Return to Home" will log you in to MyCentre and display the "Home" page.



3.2.3 Blocked E-mails

When registering a new MyCentre user account or resetting your password, you should receive an automatically generated e-mail with password information shortly after submitting the request (usually within a few minutes).

If you did not receive this e-mail, the following may be considered:

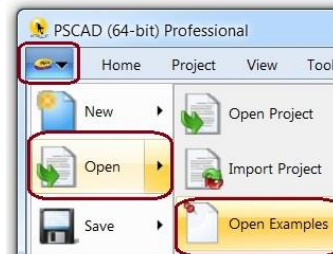
- The auto-generated e-mail may be in your “Junk” e-mail folder.
- For a password reset, if you enter an incorrect username/e-mail address in the “Username” field, the auto-generated e-mail will not be sent to you.
- If your organization is blocking auto-generated e-mails, the MyCentre e-mail would likely be blocked. Have your IT staff set their server to not block e-mails from mycentre@hvdc.ca, then reset your password per Section 3.2.2.

Or, if your IT staff may not unblock these e-mails, register a new MyCentre user account using a different e-mail address on a different network (e.g. home). Once you have received your temporary password over this other network, you may use it to log in to MyCentre on either network.

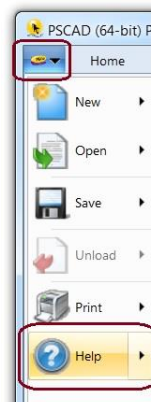
Appendix A: Resources for New Users

The following resources may assist new users to become familiar with PSCAD:

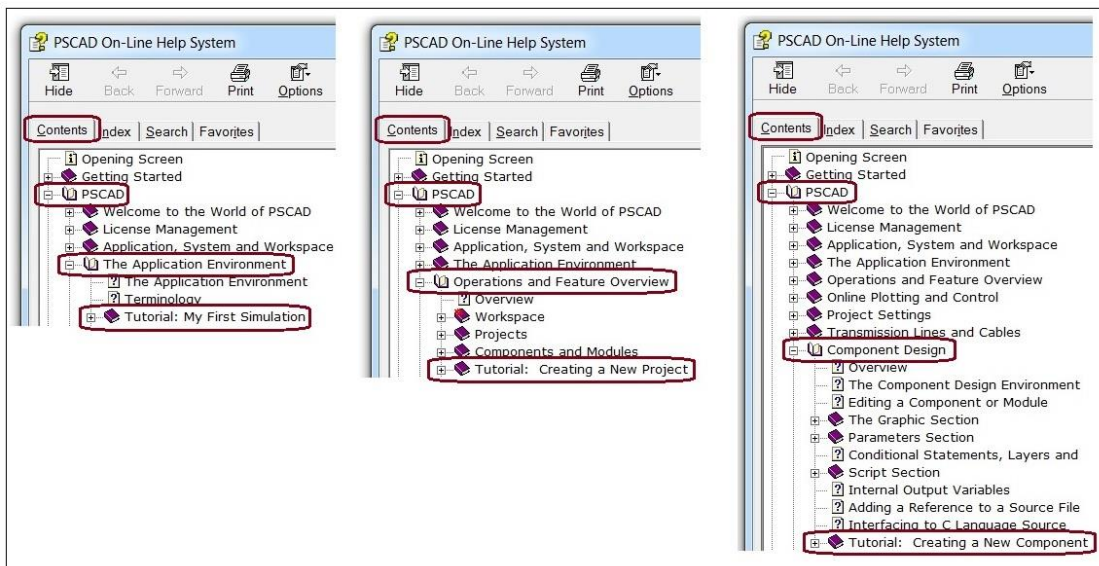
- The Knowledge Base contains videos, user guides, examples, tutorials, webinars, and manuals.
- Examples and tutorial projects to view and run are available through the “PSCAD” start button:



- The Help system provides information on PSCAD tools and features:



- Three tutorials for designing PSCAD cases are available in the Help system:





DOCUMENT TRACKING

Rev.	Description	Date
0	Initial	26/Oct/2016
1	General improvements	2/Nov/2016
2	General improvements	28/Nov/2016
3	New template and layout; added Periodic Updates, Resolving Issues and Document Tracking sections; general improvements and updates throughout	31/Oct/2017
4	Update to the installation tool Update to Section 2.1 General improvements	22/Feb/2018
5	New Section 2.2.2 Moved content from Section 2.2 to Section 2.2.1 Update to new branding guidelines	05/Sep/2018
6	Update to Section 3.2.1	26/Nov/2019