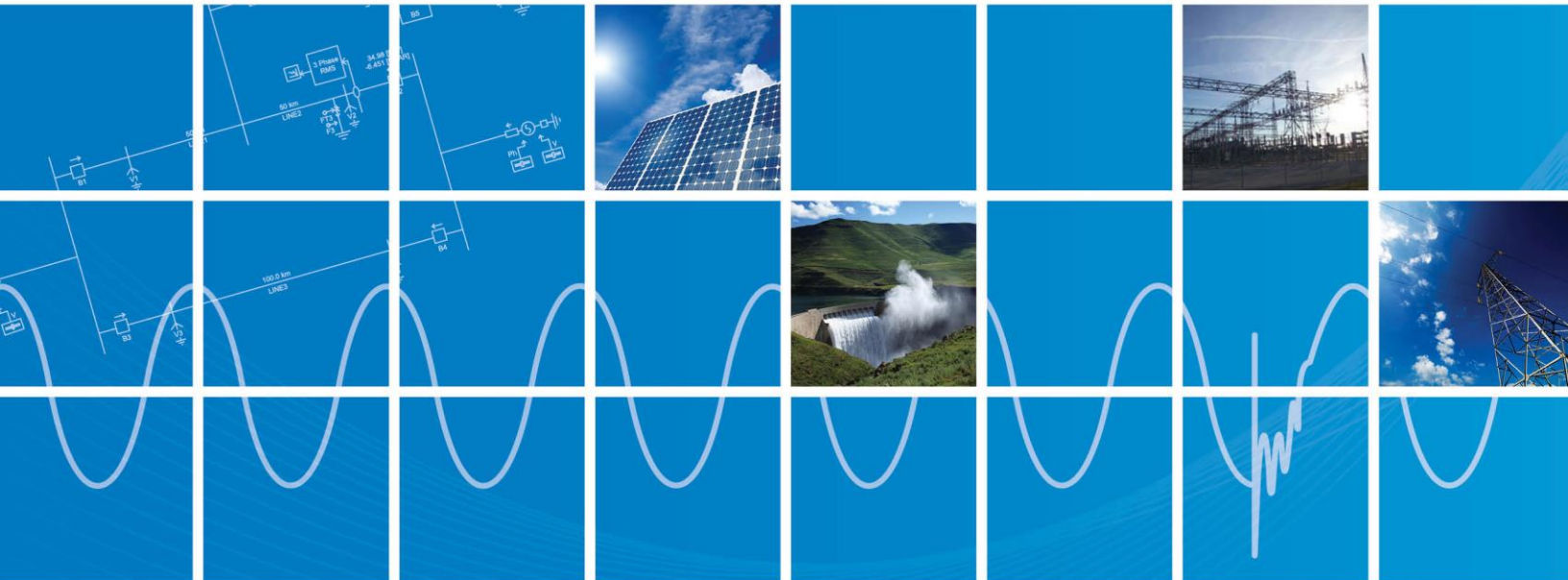


Resolving PSCAD Automation Library Issues

February 25, 2020
Initial



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1. Introduction

1.1 Overview

This manual presents known issues and solutions related to the PSCAD Automation Library. This manual is intended to be a continuously developing diagnostic tool as this software evolves.

1.2 Contacting our Support Team

If the suggestions in this document do not resolve the issue, please contact our support desk (support@mhi.ca).

Please ensure to provide the following information in your e-mail:

- Your PSCAD license number.
- A description of the issue, including details and screenshots.

2. Installation Issues

2.1 Receiving a “py is not recognized as an internal or external command, operable program or batch file” Error Message

Problem

When executing a script, the Windows Command Prompt displays the following message:

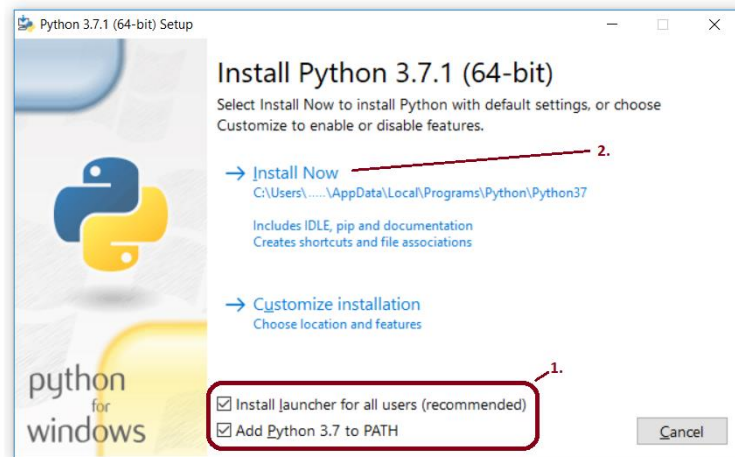
py is not recognized as an internal or external command, operable program or batch file.

Cause

The “py” command cannot be run from a command line because the Python Launcher is not installed, and consequently the Automation Library could not be installed.

Solution

- Re-install Python 3.7.1, ensuring to first enable both options in the installer (step 1 below):



2.2 Receiving a “ERROR automation.command [...] execute <command name="get-available-certificates" scope="PSCAD" sequence-id="3" /> failed” Error Message

Problem

When executing a script, the following message displays:

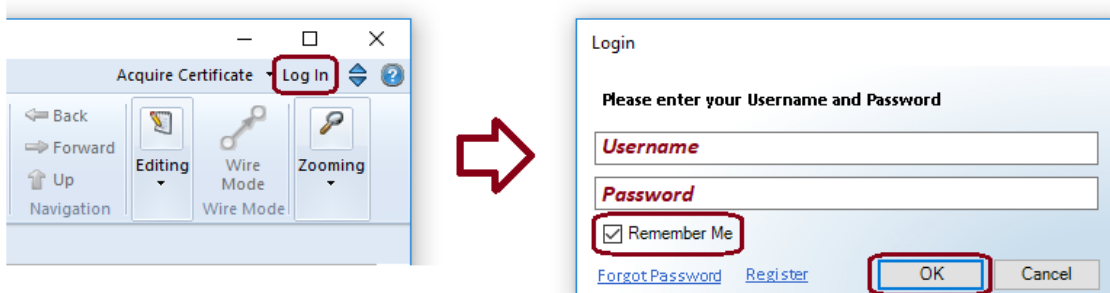
```
'ERROR automation.command execute <command name="get-available-certificates" scope="PSCAD" sequence-id="3" /> failed
ERROR automation.command resp <commandresponse elapsed="54" sequence-id="3" success="false" timestamp="2019-09-18-13-47-09-6808013"><error /></commandresponse>
```

Cause

Certificate licensing is unavailable, because you were not logged in to MyCentre in the PSCAD app.

Solution

- Launch PSCAD manually.
- Log in to PSCAD, ensuring that “Remember me” is selected:



3. Usage Issues

3.1 Unable to detect Desired Compiler when PSCAD is Launched Automatically using Python Scripting

Problem

When an attempt is made to launch PSCAD automatically using Python scripting, the desired Fortran compiler fails to be detected. For example, the following scripting is used:

```
fortran_versions = controller.get_paramlist_names('fortran')
```

When PSCAD is launched manually, however, the desired Fortran compiler is recognized.

Cause

For every newly installed product to be detected by the Automation Library, the products list must be updated accordingly. The products to be updated in the product listing are:

- PSCAD
- Fortran compilers

Solution

For every newly installed product, update the products list for the Automation Library as follows:

- Navigate to the folder where the Fortran Medic utility resides. For example, for PSCAD v4.6.3:

```
C:\Program Files (x86)\PSCAD\AutomationLibrary\463\Medic
```
- Double click on the CreateProductsList.bat file.
- The Fortran Medic utility will launch, and start detecting relevant software.
- When above task has been completed, the utility may be closed.
- Now, if PSCAD is launched automatically, the desired product should be detected.

DOCUMENT TRACKING

Rev.	Description	Date
0	Initial	24/Sept/2019
1	Added Section 3.1	25/Feb/2020