

Migrating Existing Scripts

The Automation Library 1.2.4 that is built for PSCAD 4.6.3 is now installed as a Python site package just like any other 3rd party add on module.

It now gets installed as part of Python's installation folder structure located here:

<C:\Program Files\Python37\Lib\site-packages\mhrc\>

Running older scripts

Since installing Automation Library 1.2.4 does not remove the previous version, you can still run your scripts normally. If you want your script to run with the new Automation Library 1.2.4 then you will have to make the following changes to your existing scripts.

Import declarations

The older method of importing the Automation Library is replaced by 1 line

```
import sys, os
sys.path.append(r"C:\Program Files (x86)\PSCAD\Automation\Lib\mhrc")
import automation.controller
```

```
from automation.utilities.word import Word
from automation.utilities.file import File
```

```
import sys, os
import mhrc.automation
```

```
from mhrc.automation.utilities.word import Word
from mhrc.automation.utilities.file import File
```

The calling of the utilities now require "mhrc" in front of the "automation"

```
import sys, os
sys.path.append(r"C:\Program Files (x86)\PSCAD\Automation\Lib\mhrc")
import automation.controller
```

```
from automation.utilities.word import Word
from automation.utilities.file import File
```

```
import sys, os
import mhrc.automation
```

```
from mhrc.automation.utilities.word import Word
from mhrc.automation.utilities.file import File
```

Launching PSCAD

In order to launch PSCAD, you no longer need a “Controller object” but you can still use the older method if you prefer. The new method is simpler and easier to use by taking 3 required lines of code and shrinking it down to 1.

```
# Get the Automation Controller that is used to launch PSCAD
controller = automation.controller.Controller()

# Launch PSCAD and silence all dialogue boxes
pscad = controller.launch(pscad_version, options={'silence': True})

# Set the compiler
pscad.settings (fortran_version=fortran_version)

# Launch specific PSCAD and Fortran compiler
pscad = mhrc.automation.launch_pscad(pscad_version=pscad_version, fortran_version=fortran_version)
```

Old way

New way