

[Solved] imported Python modules need a restart when changed?

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PaulCobbaut

Posts: 38

Joined: Mon Oct 03, 2022
9:29 am

[Solved] imported Python modules need a restart when changed?

by PaulCobbaut » Sat Sep 14, 2024 12:13 pm

Hello,

FreeCAD will ask to reload a Python script whenever I changed it.

But it will not do this for imported Python scripts. At the moment I restart FreeCAD, which seems to reload the imported scripts. Is there a way to tell FreeCAD to also reload imported Python files?

CODE: [SELECT ALL](#)

```
Locale: C/Default (C)
Installed mods:
* A2plus 0.4.62
* GIS-main
* Trails 2022.1.0
* Curves 0.6.22
* LCInterlocking
* CurvedShapes 1.0.5
* fasteners 0.5.0
* ToolbarStyle
* Manipulator 1.5.7
```

Last edited by PaulCobbaut on Sun Sep 15, 2024 7:10 am, edited 1 time in total.

**edwilliams16**

FreeCAD Guru

Posts: 4519

Joined: Thu Sep 24, 2020

10:31 pm

Location: Hawaii

Contact:

 by **edwilliams16** » Sat Sep 14, 2024 7:05 pm**“ PaulCobbaut wrote:**

Sat Sep 14, 2024 12:13 pm

CODE: SELECT ALL

```
import importlib
importlib.reload(my_lib)
```

avoids restarting the python interpreter when you have modified my_lib

**TheMarkster**

FreeCAD Guru

Posts: 6672

Joined: Thu Apr 05, 2018

1:53 am

Re: imported Python modules need a restart when changed?

 by **TheMarkster** » Sun Sep 15, 2024 12:30 am

Just to add to what Ed said, be sure to import the original module first Then don't use any quotes with the reload() function.

CODE: SELECT ALL

```
import MyClass
import importlib
importlib.reload(MyClass)
```

[youtube](#)



PaulCobbaut

Posts: 38

Joined: Mon Oct 03, 2022

9:29 am

by PaulCobbaut » Sun Sep 15, 2024 7:10 am

“ TheMarkster wrote:

Sun Sep 15, 2024 12:30 am

Just to add to what Ed said, be sure to import the original module first Then don't use any quotes with the reload() function.

CODE: SELECT ALL

```
import MyClass
import importlib
importlib.reload(MyClass)
```

Perfect solution, thanks!

CODE: SELECT ALL

```
import config      as cfg
import labels      as lbl
import dimensions  as dim
import functions   as fnc

# Reload modules (only needed when editing the modules without restarting FreeCAD)
import importlib
importlib.reload(cfg)
importlib.reload(lbl)
importlib.reload(dim)
importlib.reload(fnc)
```

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