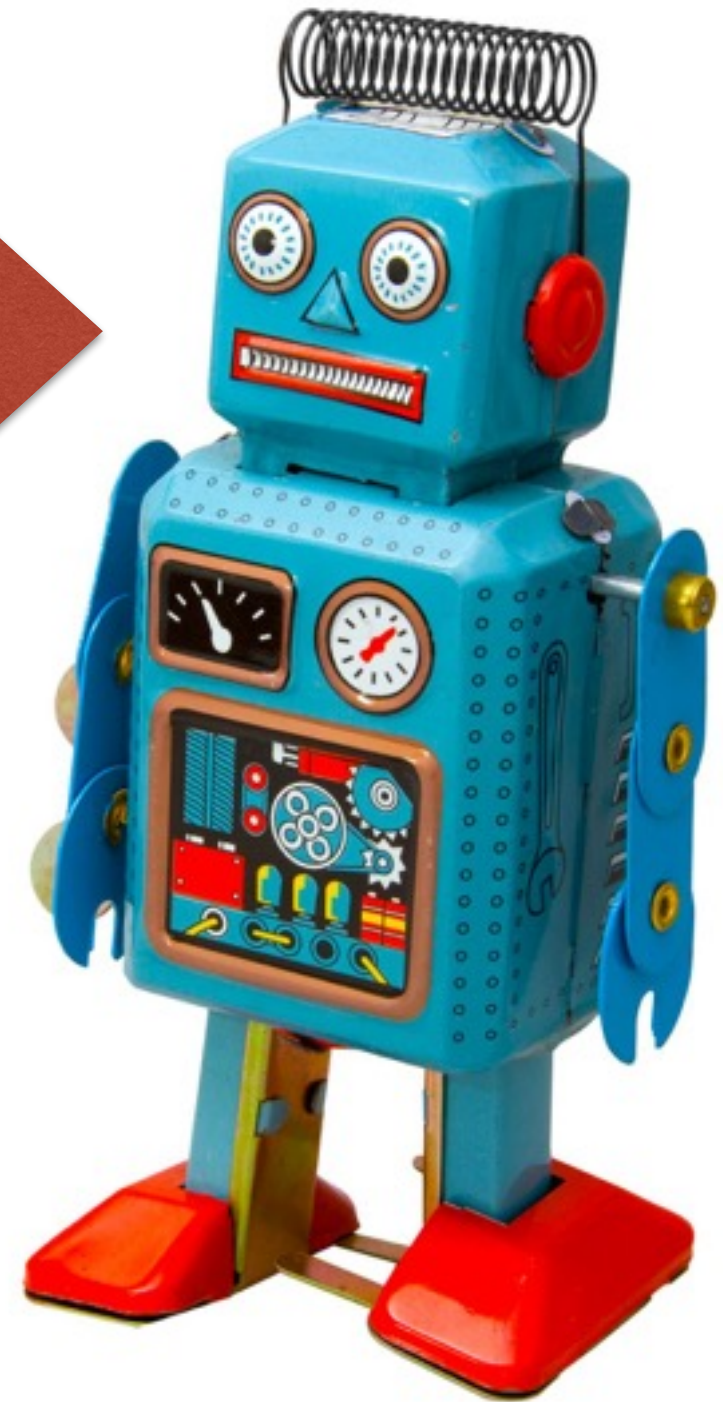


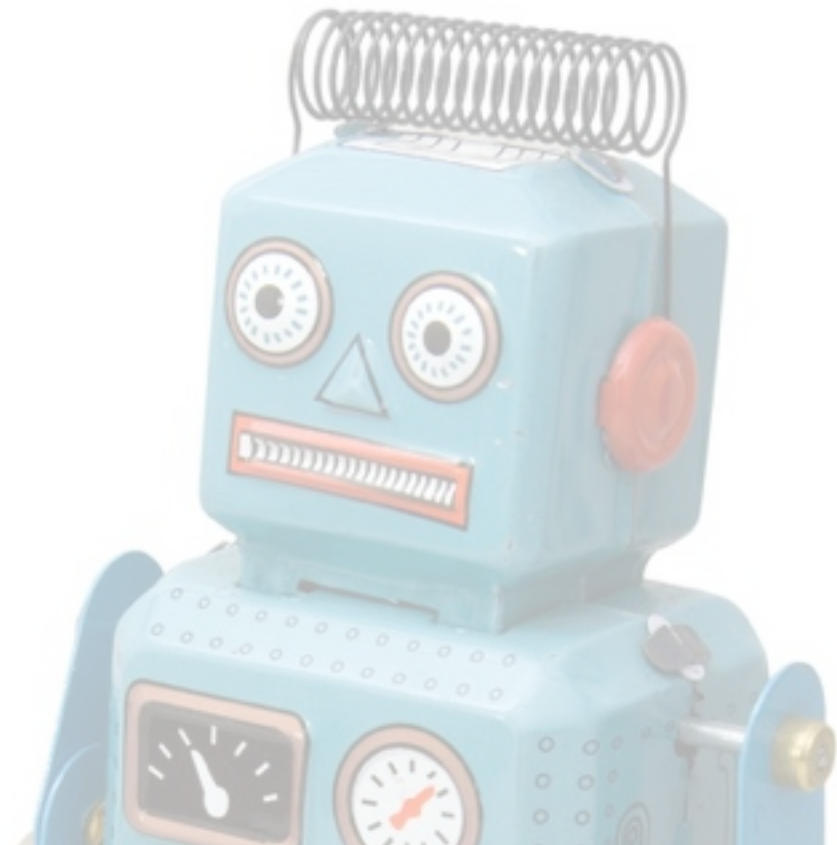
# Working with Web APIs

with Robot Framework



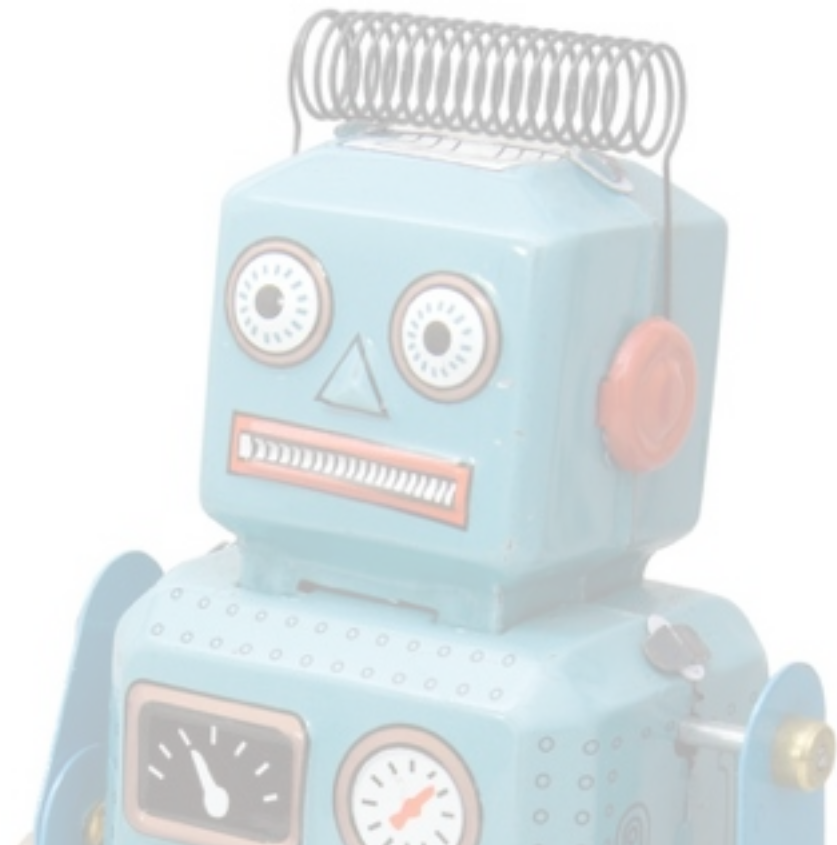
# Installation

- Python 2.7.11
- pip
- Robot Framework



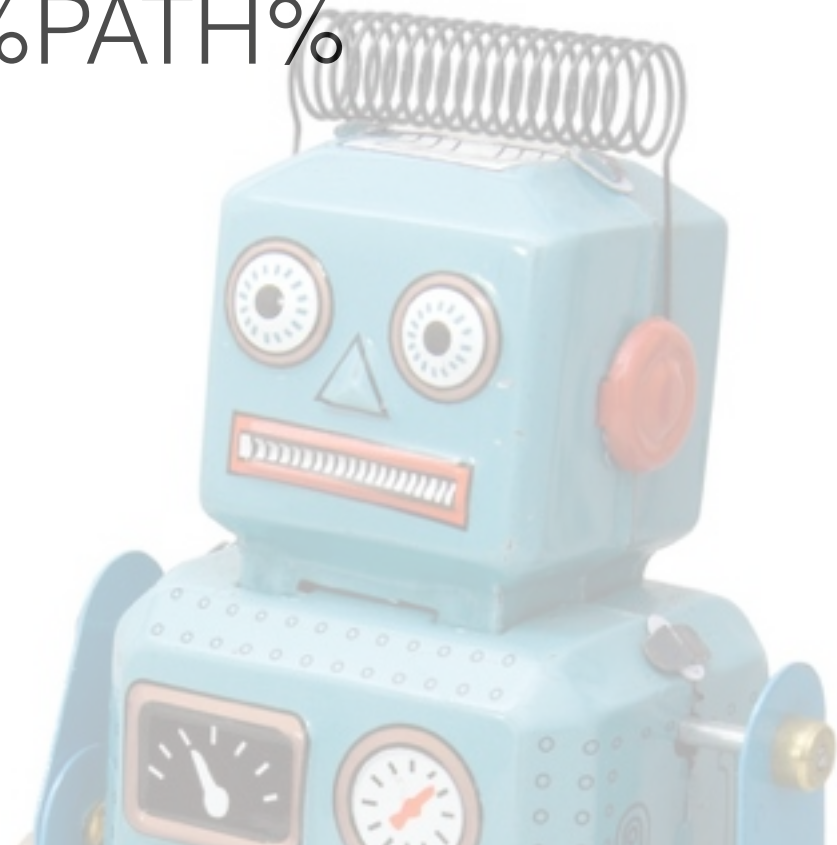
# Install python (1)

- Download from <https://www.python.org/>
- Version 2.7/2.8
- \$python



# Install python (2)

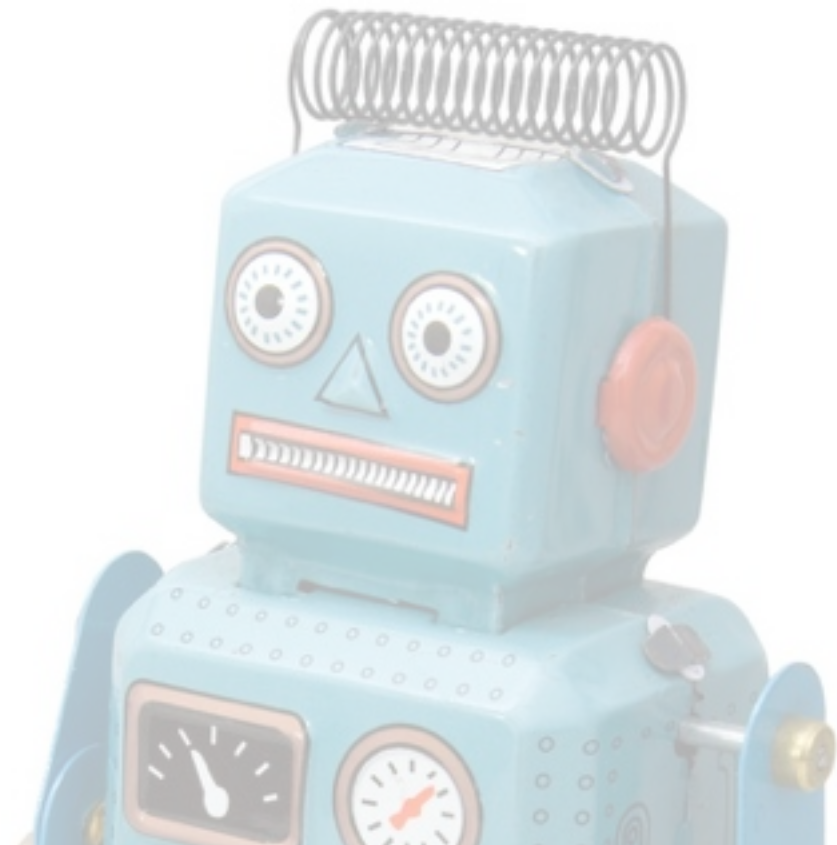
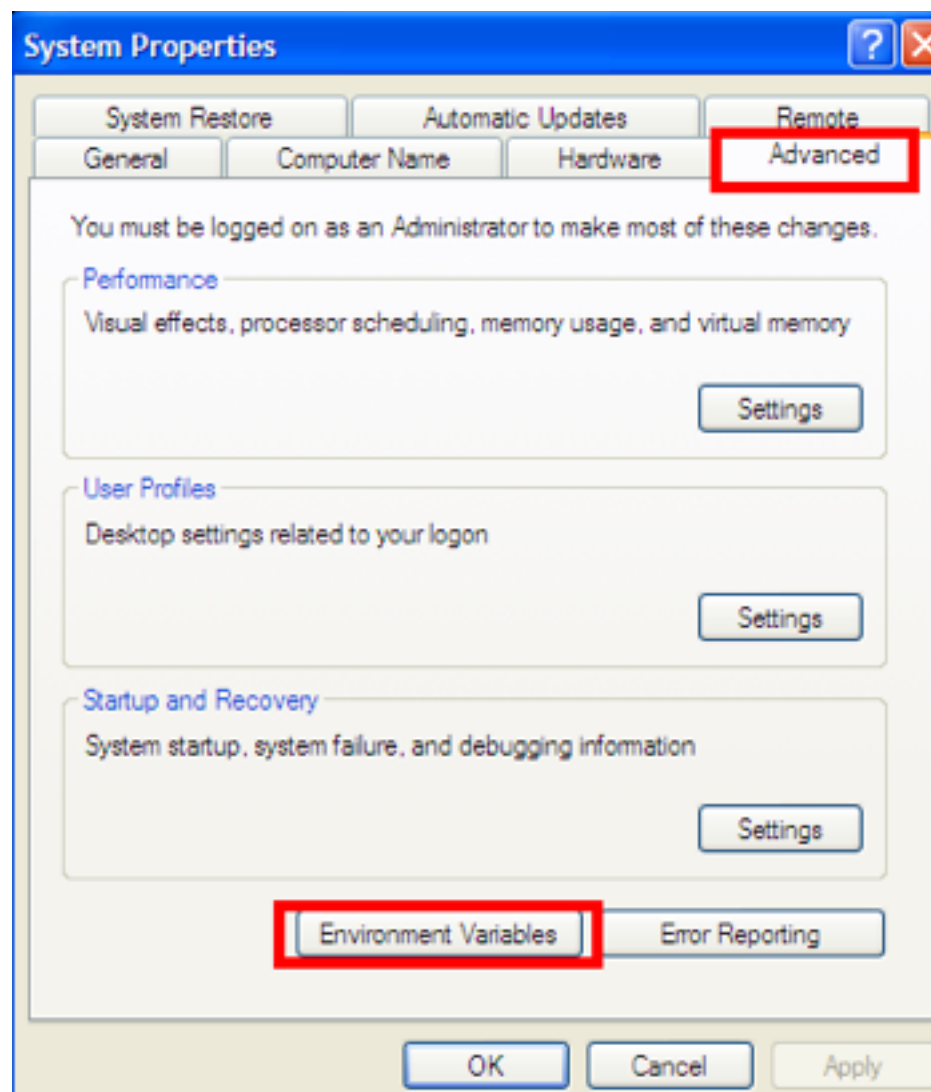
- **For Windows OS**
  - set PYTHON\_HOME=c:\python27
  - set PATH=.;%PYTHON\_HOME%;%PATH%





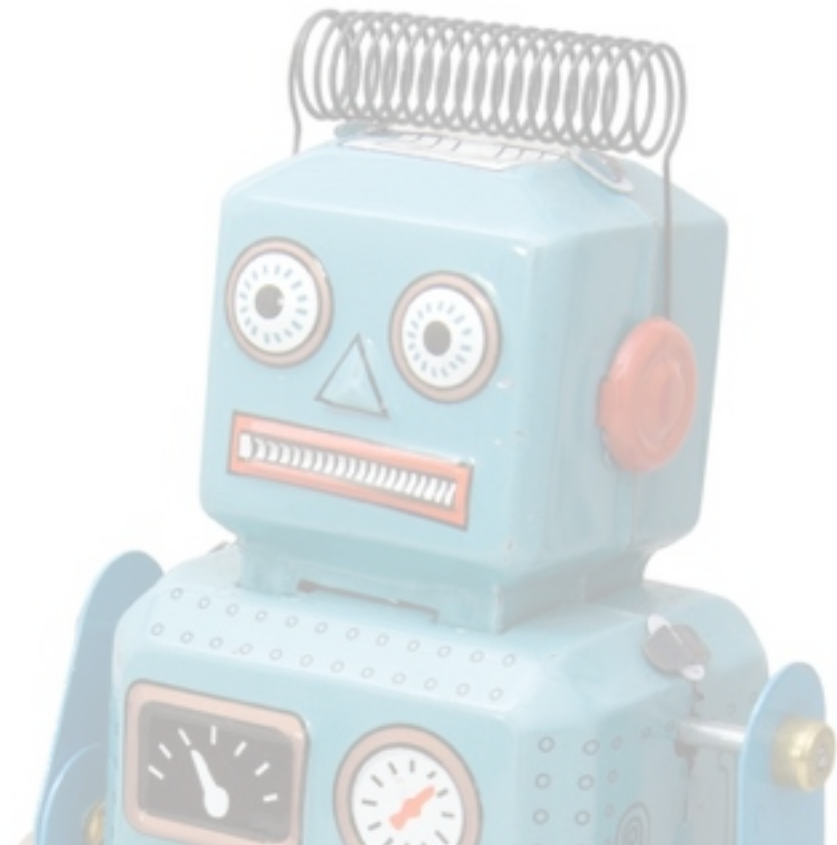
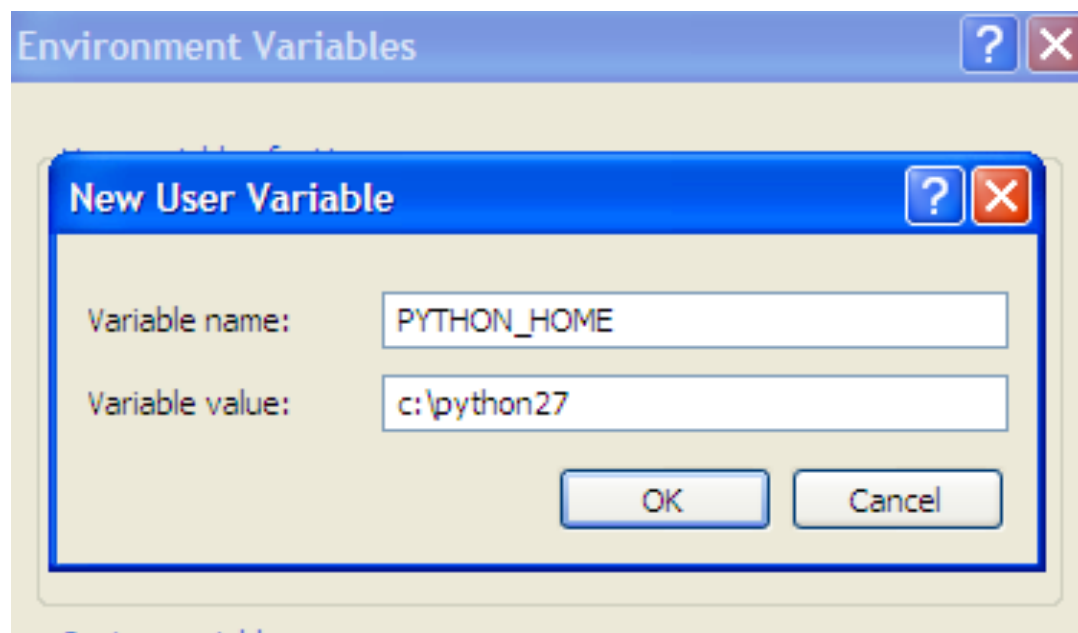
# Install python (3)

- Go to My Computer -> Right Click -> Properties
- Choose tab Advanced



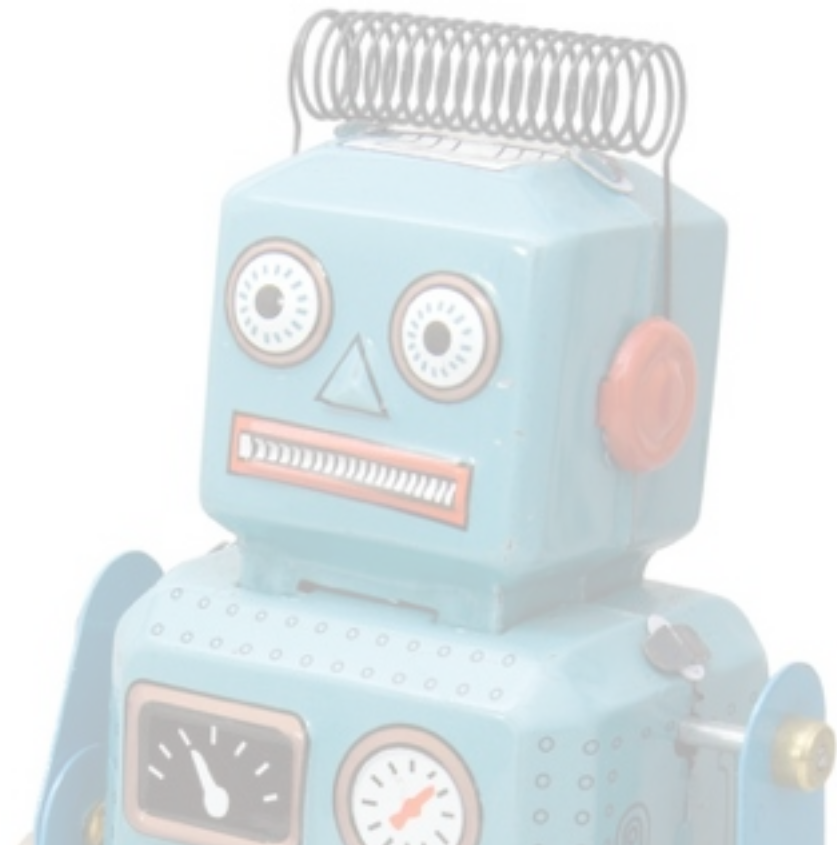
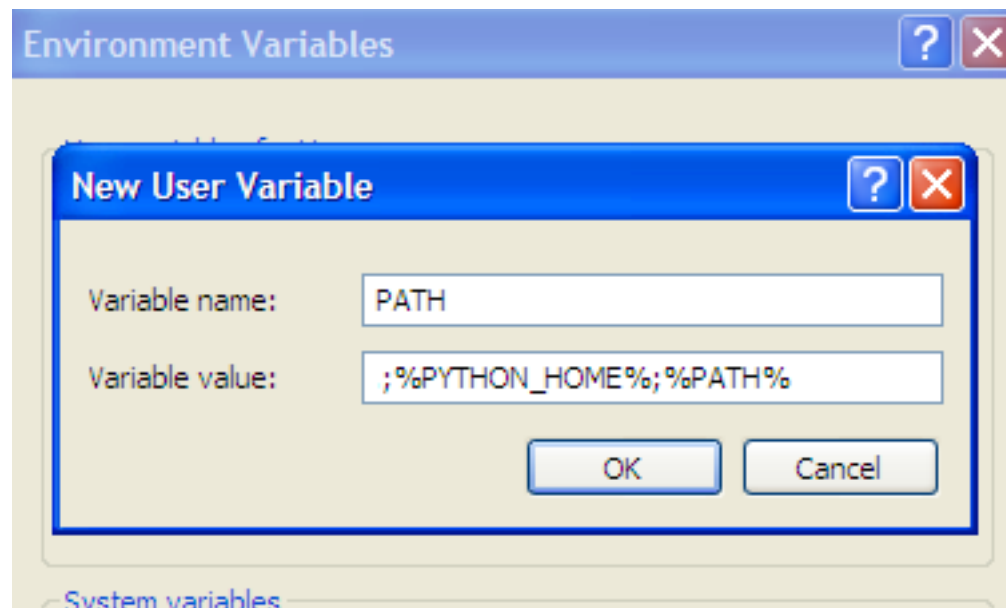
# Install python (4)

- Add Environment Variable
  - PYTHON\_HOME



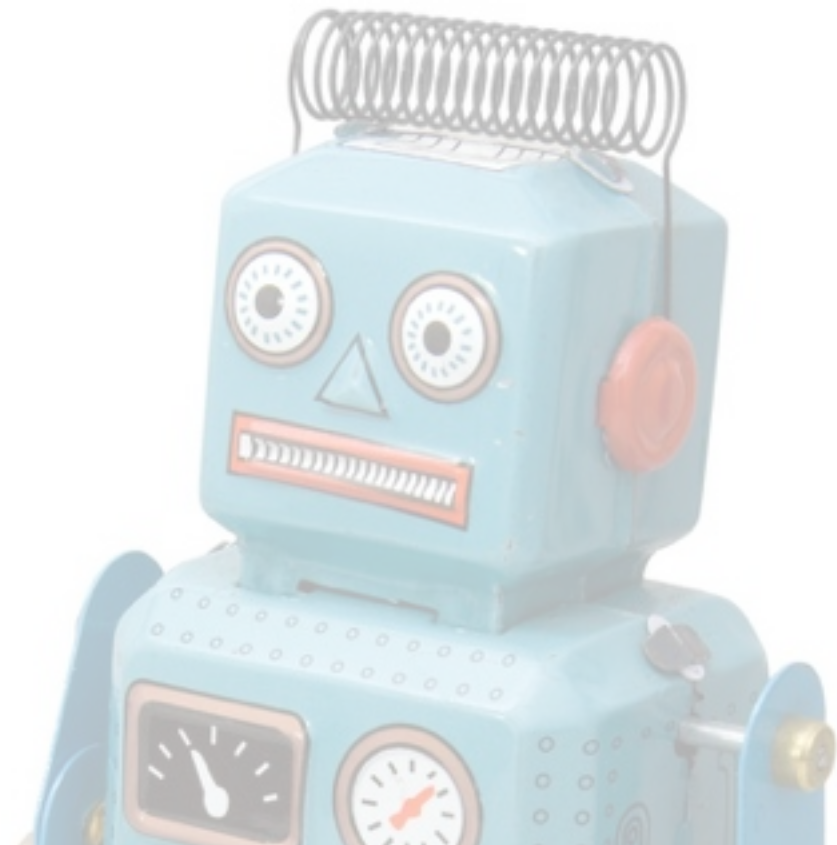
# Install python (5)

- Update Environment Variable in System
  - PATH



# Install pip (1)

- PIP = Package Installation for Python
- <http://www.pip-installer.org/en/latest/installing.html>
- Download file get-pip.py
- `$python get-pip.py`

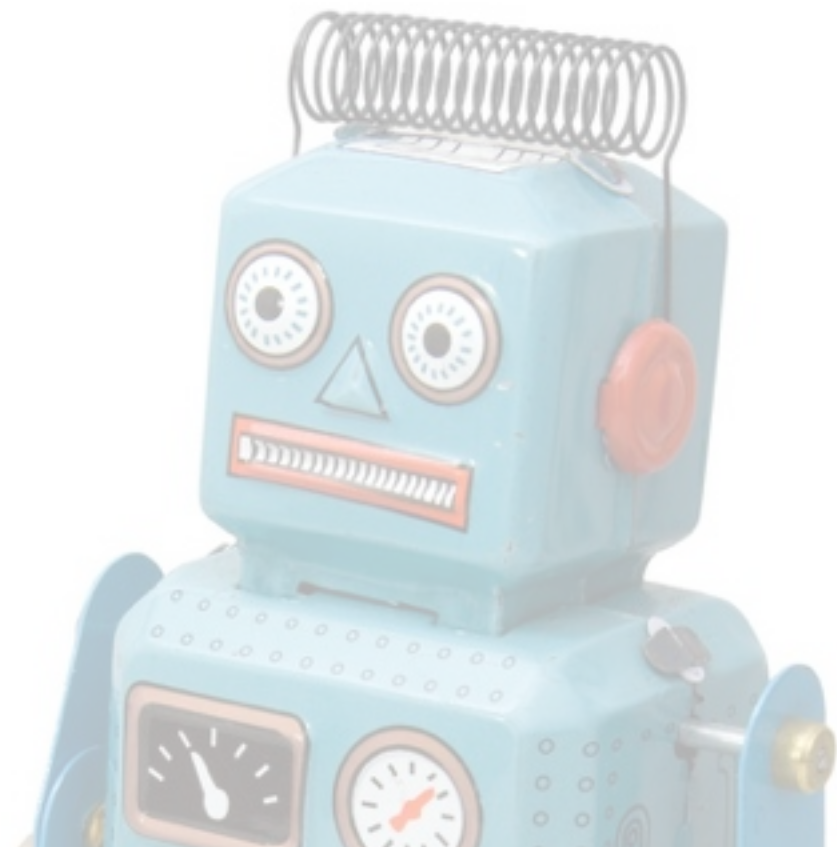




# Install pip (2)

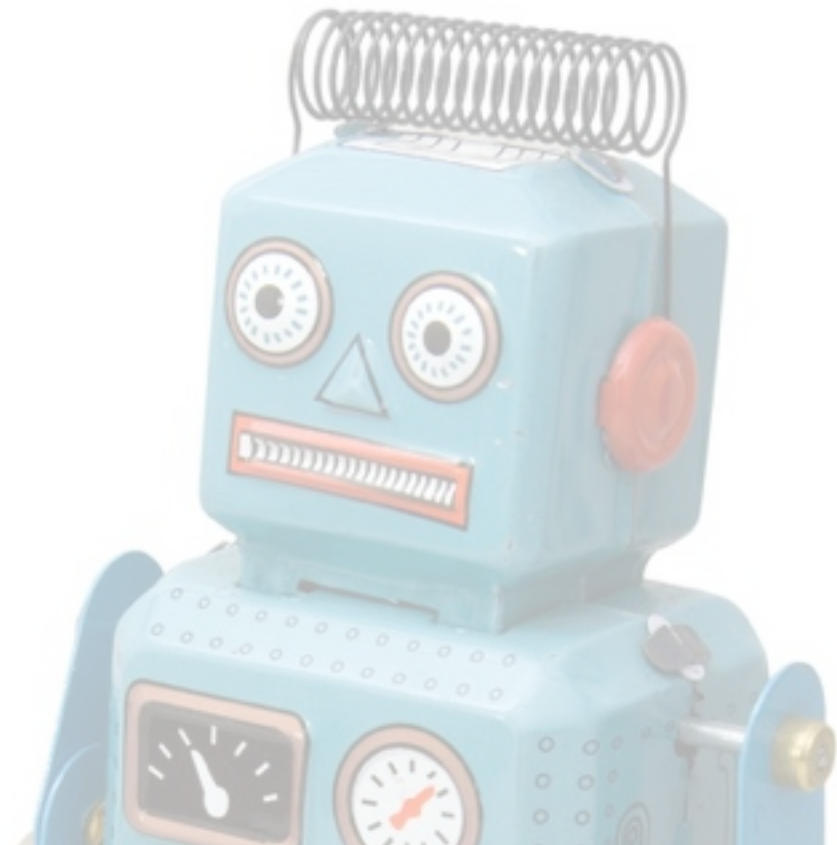
- **For Windows OS**

- set PYTHON\_HOME=c:\python27
- set PATH=.;%PYTHON\_HOME%;%PYTHON\_HOME%\scripts;%PATH%
- Test pip
  - \$pip



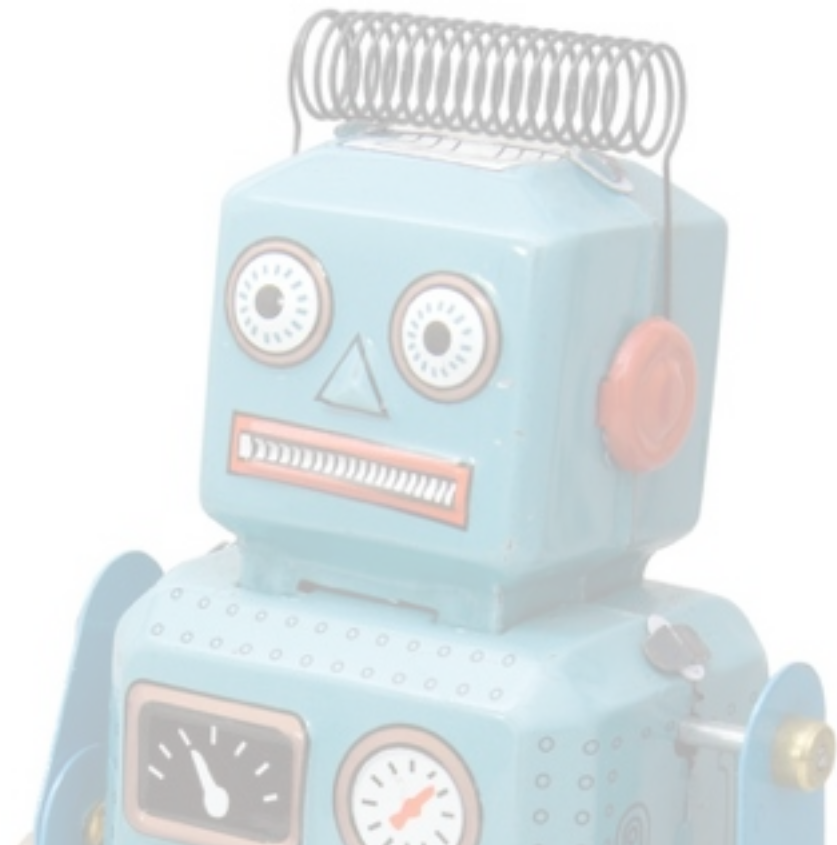
# Install pip (3)

- **For Mac OS**
  - `$easy_install pip`
  - `$pip`



# PIP with Proxy

- SET HTTP\_PROXY=<proxyHost>:<proxyPort>
- SET HTTPS\_PROXY=<proxyHost>:<proxyPort>
- pip install --proxy="user:password@server:port"  
packagename

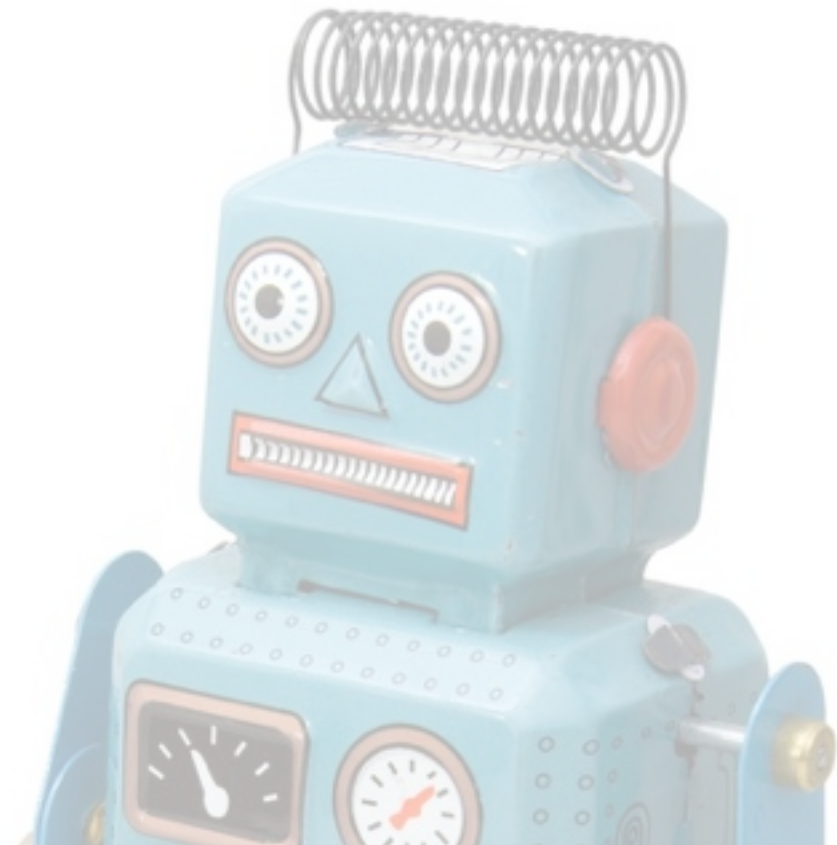


# Install Robot Framework

- `$pip install robotframework`
- `$pybot`

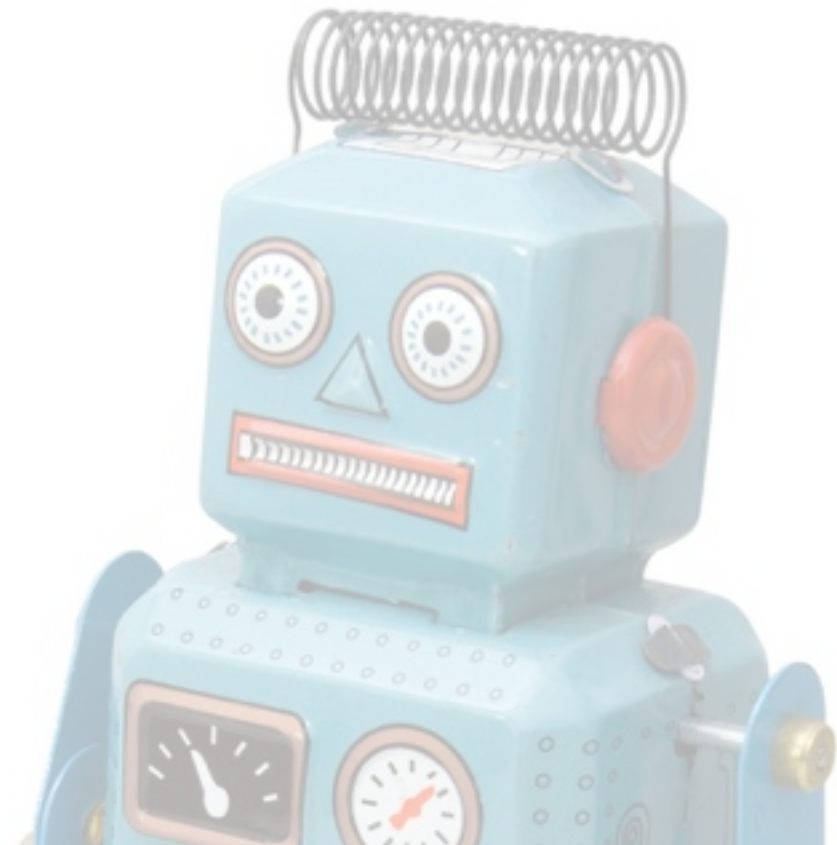
```
[ ERROR ] Expected at least 1 argument, got 0.
```

```
Try --help for usage information.
```



# Libraries

- Selenium2Library
- REST Library
- SOAP Library

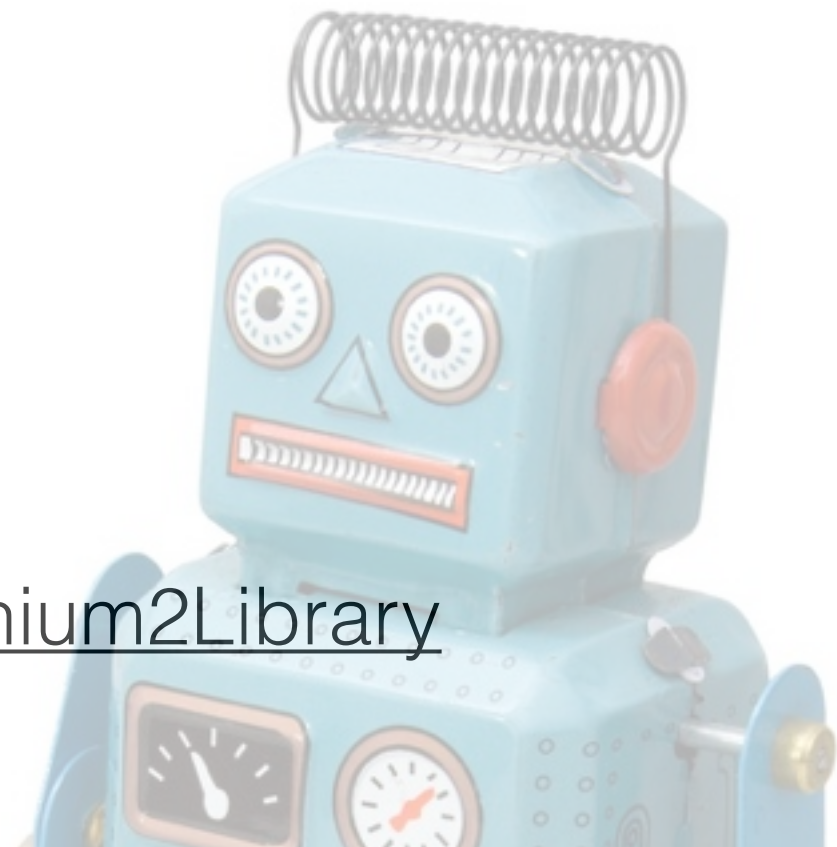




# Install Selenium2Library

- `$pip install robotframework-selenium2library`

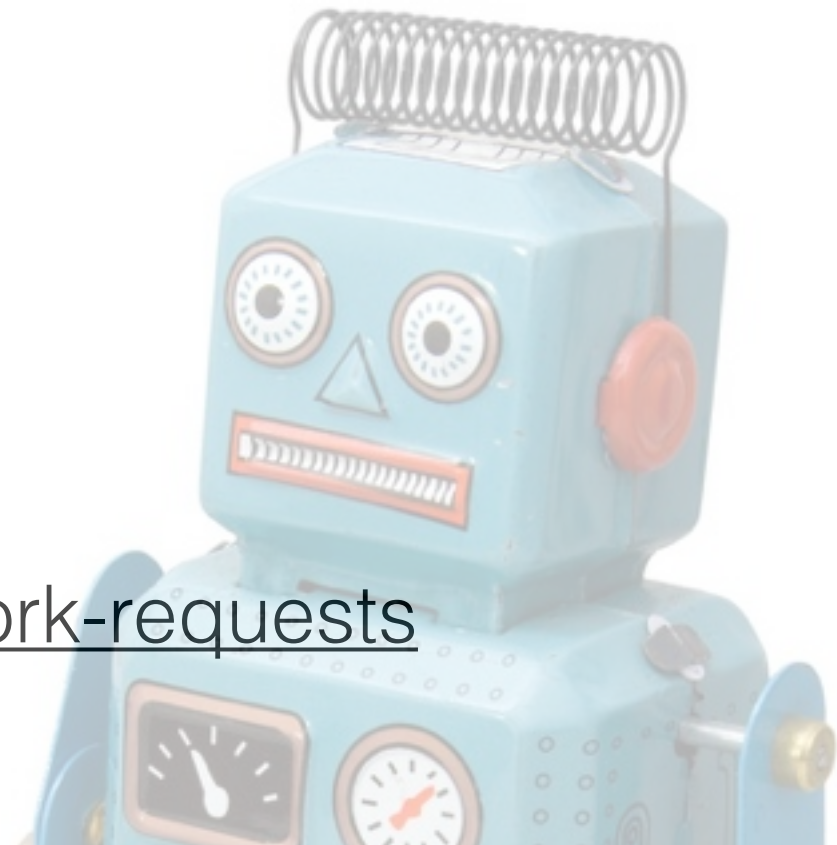
<https://github.com/robotframework/Selenium2Library>



# Install REST Library

- \$pip install -U requests
- \$pip install -U robotframework-requests
- \$pip install -U robotframework-httplibrary

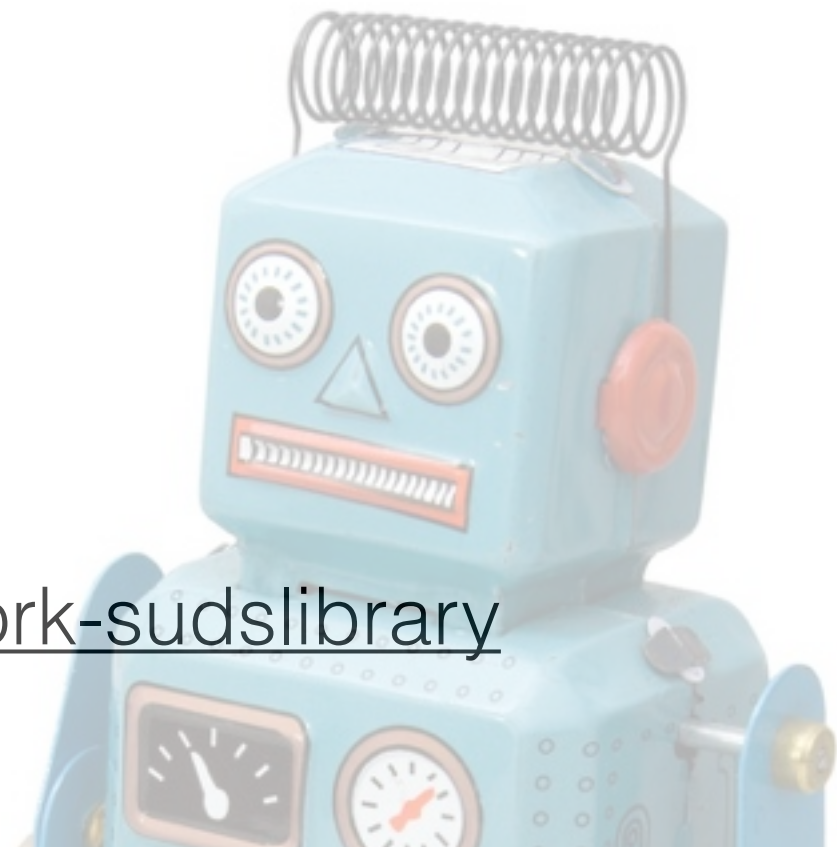
<https://github.com/bulkan/robotframework-requests>



# Install SOAP Library

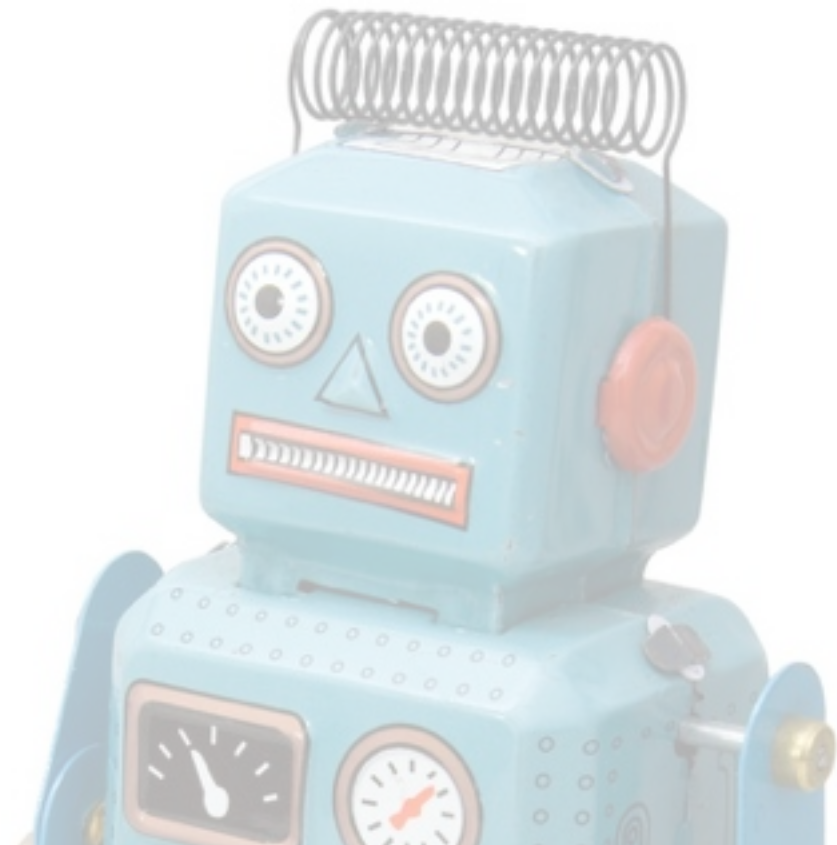
- `$pip install -U robotframework-sudslibrary`

<https://github.com/ombre42/robotframework-sudslibrary>



# Additional

- Text Editor => Sublime 2
- RIDE
  - <https://code.google.com/p/robotframework-ride/>



# Sublime Config

- Install Package Control
  - <https://sublime.wbond.net/installation>

## Package Control

### INSTALLATION

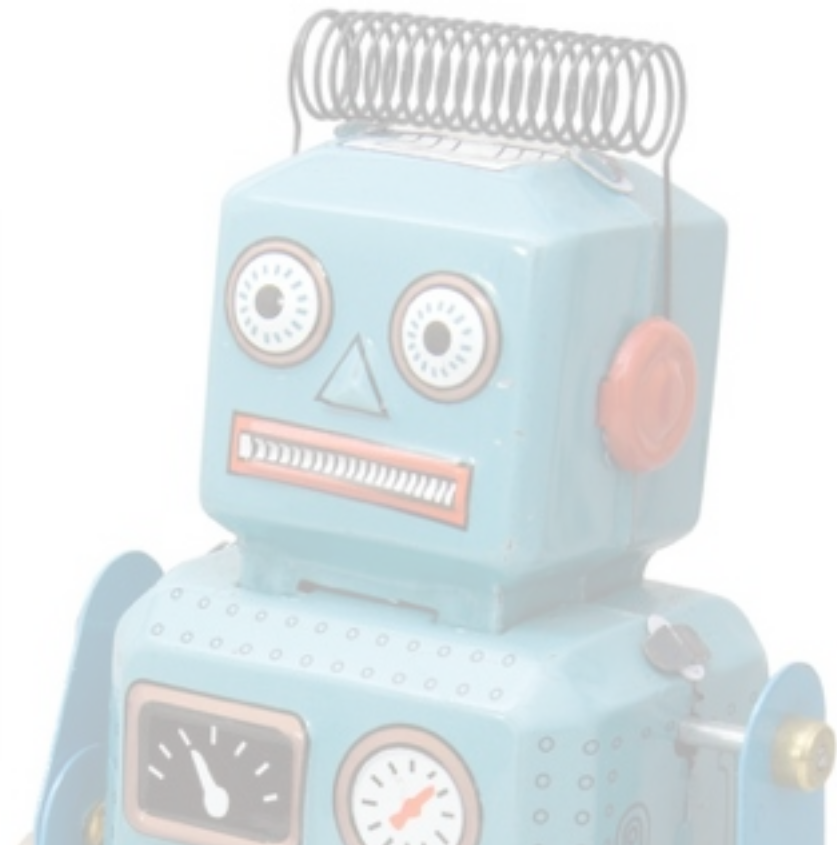
#### Simple

The simplest method of installation is through the Sublime Text console. The console is accessed via the `ctrl+`` shortcut or the `View > Show Console` menu. Once open, paste the appropriate Python code for your version of Sublime Text into the console.

#### SUBLIME TEXT 3

#### SUBLIME TEXT 2

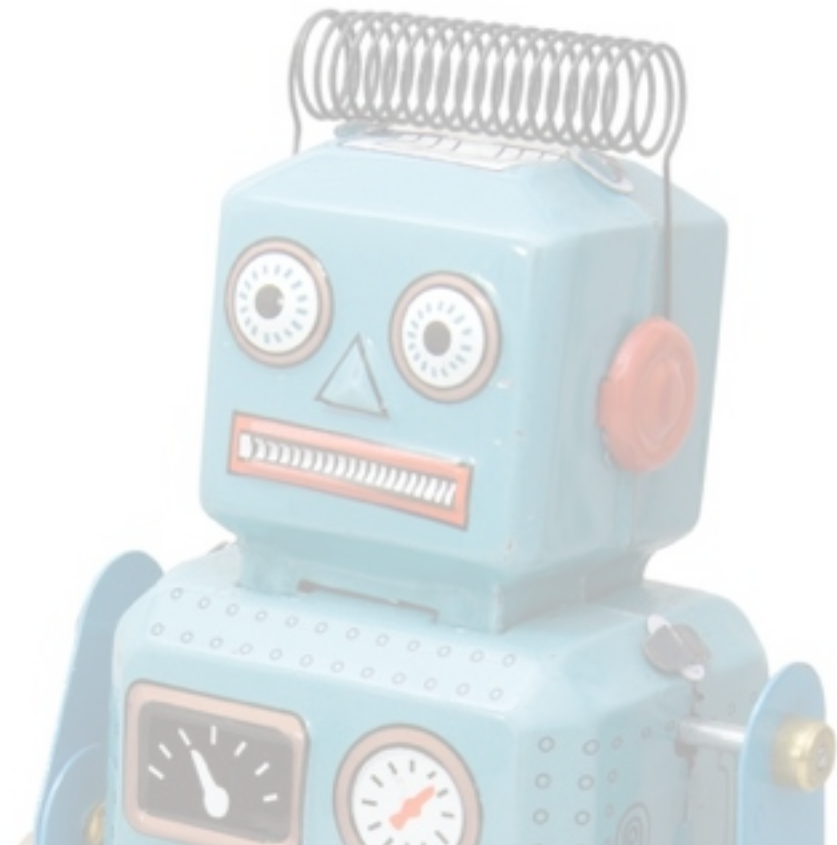
```
import urllib.request,os,hashlib; h =
'7183a2d3e96f11eeadd761d777e62404' +
'e330c659d4bb41d3bdf022e94cab3cd0'; pf = 'Package
Control.sublime-package'; ipp =
sublime.installed_packages_path();
urllib.request.install_opener( urllib.request.build_opener(
urllib.request.ProxyHandler()) ); by =
urllib.request.urlopen( 'http://sublime.wbond.net/' +
pf.replace(' ', '%20')).read(); dh =
hashlib.sha256(by).hexdigest(); print('Error validating
download (got %s instead of %s), please try manual install'
% (dh, h)) if dh != h else open(os.path.join( ipp, pf), 'wb'
).write(by)
```



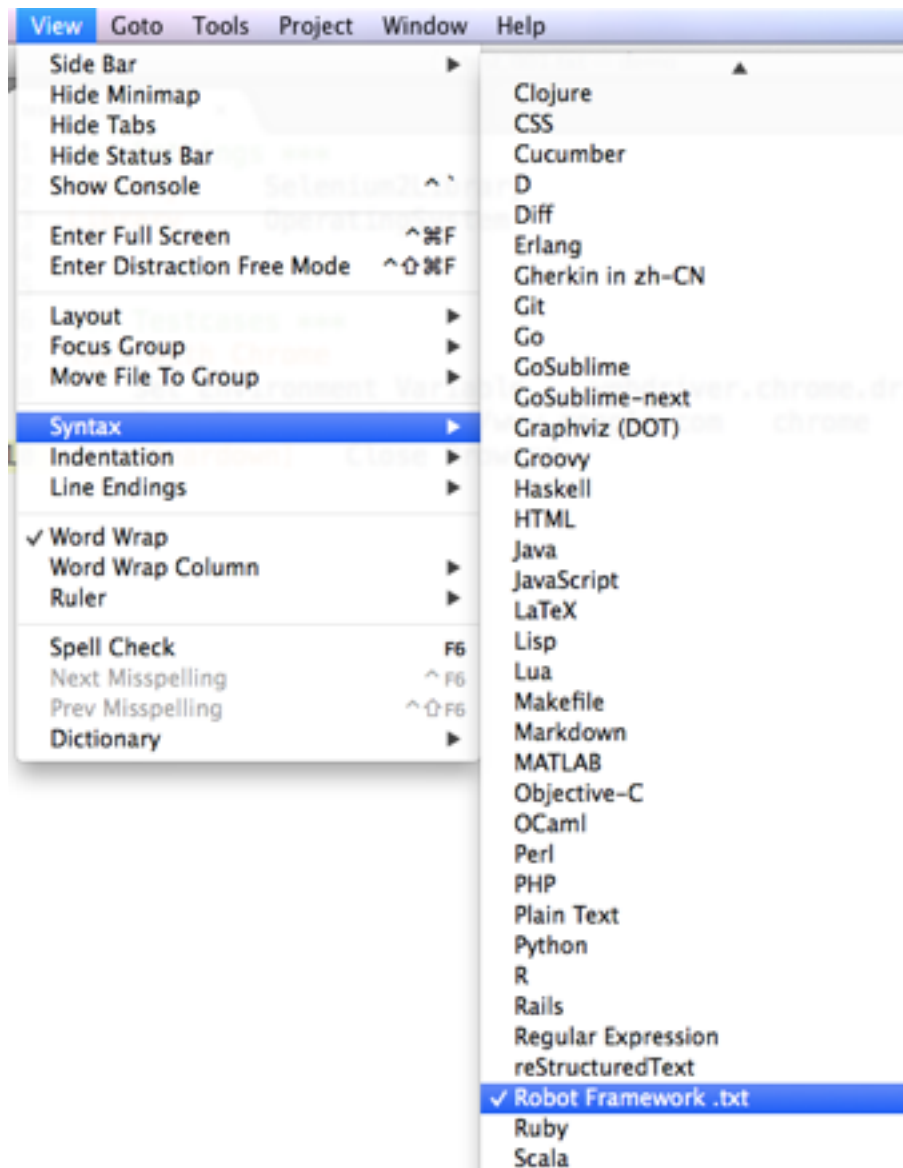


# Sublime Config

- Install Robot Framework plug-in
  - **Tools -> Command Palette ...**
    - Package control : Install Package
    - Find Robot Framework



# Sublime ...



```
basic_grade.txt
1  *** Settings ***
2  Library                Selenium2Library
3  #Test Teardown         Close Browser
4
5  *** Variables ***
6  ${HOME_URL}            http://demo-jenkins-web.herokuapp.com
7
8  *** Test Cases ***
9  Convert score 50 to grade D
10     Open browser to home page
11     Fill in score       50
12     I should see result D
13     [Teardown]         Close Browser
14
15  Convert score 80 to grade D
16     Open browser to home page
17     Fill in score       80
18     I should see result A
19     [Teardown]         Close Browser
20
```

# Question ?

