# Python

There are two versions of python are available, Python 2.7.x and Python 3.x

Robot Framework does not support Python 3. This is due to Python 2 and 3 being incompatible and Robot frame work being developed for the former.

Again for each version of python there will be 32bit and 64bit python variants are available. It is recommended to install 32bit version of Python 2.7.x, because 64bit having issues while using with Robot frame work.

Note: Even if you have a 64bit computer, if can install a 32bit version of Python

Python 2.7.10 windows installer available at [\\web.pq.adtran.com\Public\Applications\Robot\python-2.7.10.msi](file:///\\web.pq.adtran.com\Public\Applications\Robot\python-2.7.10.msi)

Add below two directories to your system path (environment variables)

C:\Python27\Scripts

C:\Python27

To verify the installation, open command prompt and execute command “python”

C:\Users\spodilap.CORP>python

Python **2.7.10** (default, May 23 2015, 09:40:32) [MSC v.1500 32 bit (Intel)] on **win32**

# PyPI - Python Package Index

Most of the modules (features) are not in built with python, we have to install separately to our python before using.

Python Package Index (PyPI) or PIP is a package management system used to install and manage software packages/modules.

Note: Python 2.7.9 and later versions include PIP by default, for earlier versions only we have to install.

To verify PIP is already installed, in command prompt execute the command.

C:\Users\spodilap.CORP>pip -V

pip 7.1.0 from C:\Python27\Lib\site-packages (python 2.7)

**if not Install PIP:**

Saveget-pip.py file in your machine, available at [\\web.pq.adtran.com\Public\Applications\Robot\get-pip.py](file:///\\web.pq.adtran.com\Public\Applications\Robot\get-pip.py)

Open command prompt, change directory to the location of the file and execute below command.

C:\Users\spodilap.CORP> python get-pip.py

Note: If the python or pip commands are found in the command prompt, issue with setting the system path (environment variables)

# Robot FrameWork

Robot Framework is a generic open source test automation framework, it’s a keyword-driven test automation framework which means we can type in some plain simple words to invoke pre written logic in some pre-existing libraries (.py files)

Robot Framework is implemented using [Python](http://python.org/), A precondition for installing Robot Framework is having [Python](http://python.org/) installed

[**Installation**](http://robotframework.googlecode.com/svn/trunk/doc/quickstart/quickstart.html#id10)

1. Using PIP Robot Framework can be installed by issuing command in command prompt

C:\Users\spodilap.CORP> pip install robotframework

1. (or) Binary installer for Windows platform available at [\\web.pq.adtran.com\Public\Applications\Robot\robotframework-2.9.py32bit.exe](file:///\\web.pq.adtran.com\Public\Applications\Robot\robotframework-2.9.py32bit.exe) . It is enough to double-click the installer and follow instructions.

Successful installation can be verified from command prompt with command “pybot –version”

C:\Users\spodilap.CORP>pybot –version

Pybot stands for 🡪 **py**thon ro**bot** frame work

# RIDE

The Robot Framework IDE (RIDE) is the integrated development environment to implement test cases for the [Robot Framework](http://code.google.com/p/robotframework/). We can use any editor (pycharm, notepad++, eclipse etc) for writing the robot test cases but RIDE is specific to robot frame work.

**Preconditions for RIDE** [**Installation**](http://robotframework.googlecode.com/svn/trunk/doc/quickstart/quickstart.html#id10)

1. Python should be installed
2. Robot frame work should be installed
3. Install wxPython - RIDE's GUI is implemented using [wxPython](http://wxpython.org/) toolkit.

Available at [\\web.pq.adtran.com\Public\Applications\Robot\02\_wxPython2.8-win32-unicode-2.8.12.1-py27.exe](file:///\\web.pq.adtran.com\Public\Applications\Robot\robotframework-2.9.py32bit.exe)

1. Install pywin32– Python extensions for Windows.

Available at [\\web.pq.adtran.com\Public\Applications\Robot\pywin32-214.win32-py2.7.exe](file:///\\web.pq.adtran.com\Public\Applications\Robot\pywin32-214.win32-py2.7.exe)

1. Install Pygments - Pygments is a syntax highlighting package

Install using PIP from the command prompt

C:\Users\spodilap.CORP> pip install pygments

(or) save the Pygments-2.0.2 folder in your machine from [\\web.pq.adtran.com\Public\Applications\Robot](file:///\\web.pq.adtran.com\Public\Applications\Robot), from command prompt

change directory to Pygments-2.0.2 folder and execute the command

C:\Users\spodilap.CORP> python setup.py install

**Install RIDE:**

1. Using PIP, RIDE can be installed by issuing command in command prompt

C:\Users\spodilap.CORP> pip install robotframework-ride

1. (or) Binary installer for Windows platform available at [\\web.pq.adtran.com\Public\Applications\Robot\08\_robotframework-ride-1.3.win32.exe](file:///\\web.pq.adtran.com\Public\Applications\Robot\08_robotframework-ride-1.3.win32.exe) . It is enough to double-click the installer and follow instructions.

A shortcut for RIDE will be created on your desktop after installation.

**Note: Execute the below command in command prompt to list out all installed packages/modules in python**

**C:\Users\spodilap.CORP>pip list**

**pip (7.0.1)**

**pygments (1.6)**

**pywin32 (214)**

**robotframework (2.9)**

**robotframework-ride (1.3)**