# **Robot Framework Installation Guide**

## Selenium Robot Framework – Web Testing

1. **Install latest Pycharm Community Edition**<https://www.jetbrains.com/pycharm/download/other.html>
2. **Install Python 3.8 version (Install it for all users on Local disk C)**

<https://www.python.org/downloads/>

1. **Download stable release chromedriver(Google Chrome) and geckodriver(Mozilla Firefox)**

**Chrome -** <https://chromedriver.chromium.org/>

**Firefox -** <https://github.com/mozilla/geckodriver/releases>

**Keyword -** http://robotframework.org/SeleniumLibrary/SeleniumLibrary.html**Include the chromedriver and the geckodriver in the C:\ Python38-32**

1. **Add Environment Variables.**
2. **Go to Control Panel**
3. **Click System Advanced**
4. **Click Environment Variables**
5. **Add this variables based on your installation path.**
6. **Add to the path C:\Python38-32**
7. **Add to the path C:\Python38-32\Scripts**
8. **Add variables C:\Python38-32\chromedriver.exe**
9. **Add variables C:\Python38-32\geckodriver.exe**
10. **Run this in command prompt.**
11. **Cd C:\Python38-32\Scripts – not neccesary**
12. **Run this in the command prompt (one line at a time)**

pip install robotframework

pip install robotframework-seleniumlibrary

pip install robotframework-selenium2library

pip install robotframework-ride

pip install robotframework-pabot

pip install -U selenium

1. **Try to open Ride by going to cmd and enter ride.py**
2. **Open Pycharm Community Edition.**
3. **Go to Settings > Projects > Project Interpreter**
4. **Add Project enterpreter C:\Python38\python.exe**
5. **Select the Project new entrerpreter**
6. **Download Intellibot@SeleniumPatched here at** <https://github.com/lte2000/intellibot>
   1. **Can be added via settings > plugins > search intellibot > install**
7. **Go to Settings > Plugins. > Gear > Install Plugin from disk**
8. **Restart IDE**
9. **Do you own automation script now.**

## **How to run automation?**

Basic

robot <directory>/<filename>.robot

Advance singular:

robot --log FT-RC011\_Log.html --report FT-RC011\_Report.html --output FT-RC011\_Output.xml --outputdir TestResults/Regression-101619/FalsePositive Scripts/Records/FT-RC011\*.robot

Advance multiple:

pabot --processes 10 --log Regression-AAS\_Log.html --report Regression-AAS\_Report.html --output Regression-AAS\_Output.xml --outputdir TestResults Scripts/AAS

## Appium Robot Framework – Mobile Testing

1. **Skip this step 1-3 if you already do 1-5 already in Selenium Installation, Install Pycharm Community Edition.** <https://www.jetbrains.com/pycharm/download/#section=windows>
2. **Install Python latest version (Install it for all users on Local disk C)**

<https://www.python.org/downloads/>

1. **Add Environment Variables.**
2. **Go to Control Panel**
3. **Click System Advanced**
4. **Click Environment Variables**
5. **Add this variables.**
6. **Add to the path c:\Python27\**
7. **Add to the path c:\Python27\Scripts\**
8. **Run this in command prompt.**

pip install robotframework (Skip this if already done)

pip install robotframework-appiumlibrary

pip install robotframework-ride (Skip this if already done)

pip install robotframework-pabot (Skip this if already done)

1. **Install Java (latest)**

<https://www.java.com/en/download/>

1. **Edit environment variables (Add this to the Path)**

**C:\Program Files (x86)\Java\jre1.8.0\_241\bin**

1. **Install Android Studio Emulator (exe file)**

<https://developer.android.com/studio>

1. **Install Appium**

<https://github.com/appium/appium-desktop/releases/tag/v1.15.1>

1. **Install SDK Platform Tools (adb.exe)**

<https://developer.android.com/studio/releases/platform-tools>

1. **Go to cmd and change directory to the platform tools downloaded and type adb**
2. **Settings with Android SDK**
   1. **Go to Android Studio > Create A Project**
   2. **Click SDK manager Icon**
   3. **Using File Manager Go to C:\Users\Rjosh-PC\AppData\Local\Android\Sdk**
   4. **Check if there is tools folders. If yes proceed to next step, else Go to SDK manager > SDK Tools > Uncheck Hide Obsulte Package > Check Android SDK Tools (tools) > Click Ok button.**
   5. **Go to platform-tools folder**
   6. **Copy the url of the platform tools folder**
   7. **Go to CMD**
   8. **Change directory to the C:\Users\Rjosh-PC\AppData\Local\Android\Sdk\platform-tools**
   9. **type ADB**
   10. **Edit the environment Varaibles(Add this to the path)**
   11. **C:\Users\Rjosh-PC\AppData\Local\Android\Sdk\platform-tools**
   12. **Connect your phone . Ensure that usb debugging is enabled and developer options.**
   13. **Go to cmd type adb**
   14. **Type adb devices (Make sure that the connected devices is shown in list). List down that adb devices Name**
   15. **Follow this steps if not found.**
       1. Download
       2. Connect your device with Android Debugging enabled to your PC
       3. Open Device Manager of Windows from System Properties.
       4. Your device should appear under 'Other devices' listed as something like 'Android ADB Interface' or 'Android Phone' or similar. Right click that and click on 'Update Driver Software...'
       5. Select 'Browse my computer for driver software'
       6. Select 'Let me pick from a list of device drivers on my computer'
       7. Double-click 'Show all devices'
       8. Press the 'Have disk' button
       9. Browse and navigate to [C:\Users\Rjosh-PC\AppData\Local\Android\Sdk\extras\google\usb\_driver and select android\_winusb.inf
       10. Select 'Android ADB Interface' from the list of device types.
       11. Press the 'Yes' button
       12. Press the 'Install' button
       13. Press the 'Close' button
       14. Now you've got the ADB driver set up correctly. Reconnect your device if it doesn't recognize it already.
3. **Do your first automation**
4. **How to run automation?**

Basic

robot <directory>/<filename>.robot

Advance singular:

robot --log FT-RC011\_Log.html --report FT-RC011\_Report.html --output FT-RC011\_Output.xml --outputdir TestResults/Regression-101619/FalsePositive Scripts/Records/FT-RC011\*.robot

Advance multiple:

pabot --processes 10 --log Regression-AAS\_Log.html --report Regression-AAS\_Report.html --output Regression-AAS\_Output.xml --outputdir TestResults Scripts/AAS

## **Rest API Robot Framework – API Testing**

1. **Skip this step 1-3 if you already do 1-5 already in Selenium Installation, Install Pycharm Community Edition.** <https://www.jetbrains.com/pycharm/download/#section=windows>
2. **Install Python latest version (Install it for all users on Local disk C)**

<https://www.python.org/downloads/>

1. **Add Environment Variables.**
2. **Go to Control Panel**
3. **Click System Advanced**
4. **Click Environment Variables**
5. **Add this variables.**
6. **Add to the path c:\Python27\**
7. **Add to the path c:\Python27\Scripts\**
8. **Run this in command prompt.**

pip install robotframework (Skip this if already done)

pip install requests

pip install robotframework-requests

pip install robotframework-jsonlibrary

pip install robotframework-ride (Skip this if already done)

pip install robotframework-pabot (Skip this if already done)

1. **Do your first automation.**
2. **How to run automation?**

Basic

robot <directory>/<filename>.robot

Advance singular:

robot --log FT-RC011\_Log.html --report FT-RC011\_Report.html --output FT-RC011\_Output.xml --outputdir TestResults/Regression-101619/FalsePositive Scripts/Records/FT-RC011\*.robot

Advance multiple:

pabot --processes 10 --log Regression-AAS\_Log.html --report Regression-AAS\_Report.html --output Regression-AAS\_Output.xml --outputdir TestResults Scripts/AAS