Smart Software Testing Solutions

pCloudy

Ruby-Appium Integration Document

2018

Installing the necessary packages

To install the necessary packages, open cmd prompt for Ubuntu OS/ MACOS system and perform the following steps

Step 1: Ruby packages should be installed with the below cmd.

sudo apt-get install ruby

sudo apt-get install ruby2.3-dev

Step 2: Gems need to be installed with the below cmd :

sudo gem install httparty

sudo gem install appium_lib

Ruby will be installed in the system following the above mentioned steps.

Step 3: To verify if the software is installed, run the below cmd:

Ruby -v

Follow the below mentioned steps to install Ruby file editor. Ignore, if you already have one.
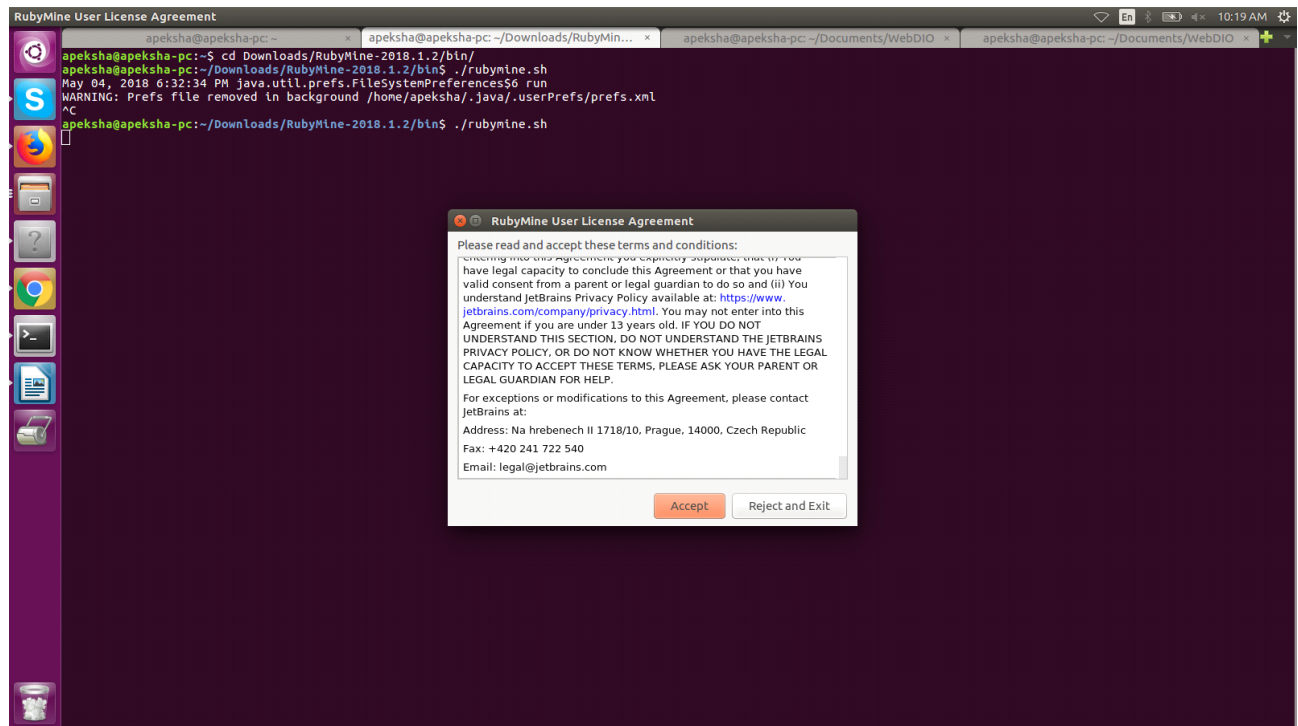
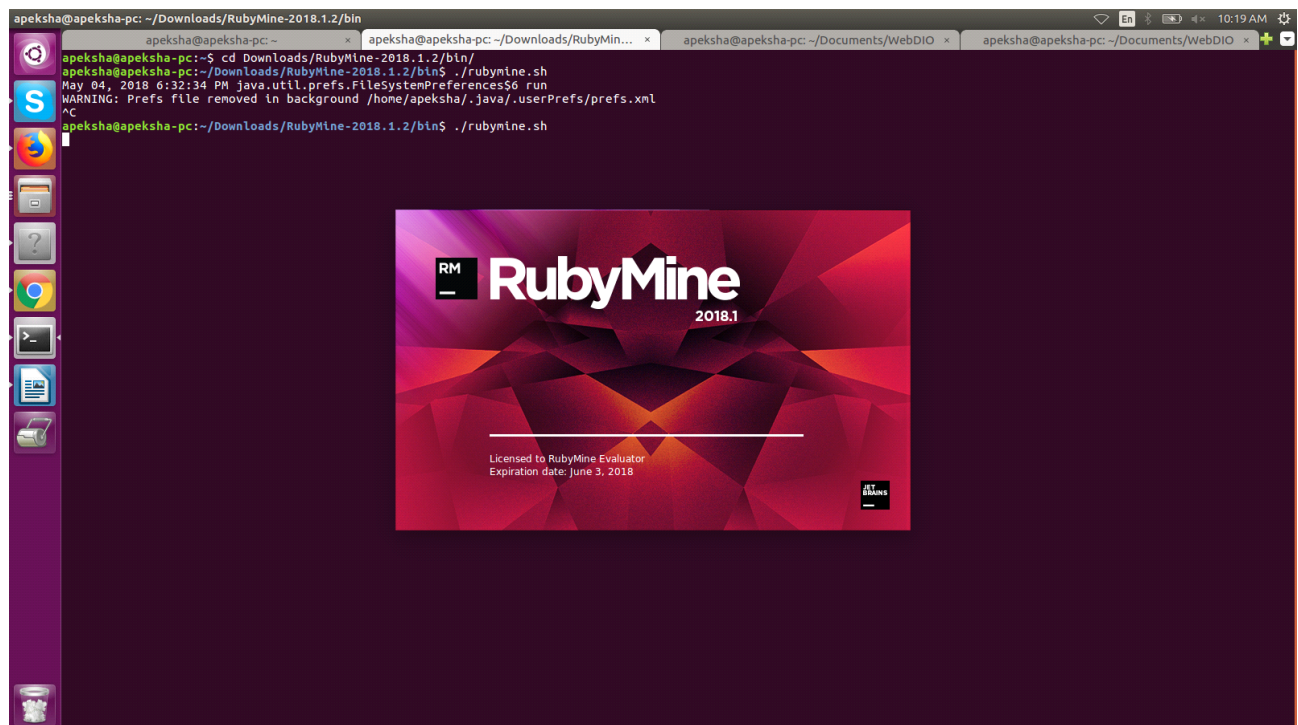**Step 4:** To install Ruby Mine

Go to below link:

https://www.jetbrains.com/ruby/download/download-thanks.html?platform=linux

Download and install Ruby Mine

Step 5: Run below cmd to open:

Go to Folder>> run ./rubymine.sh

Step 6: Once you click on the accept button, the below screen will appear.
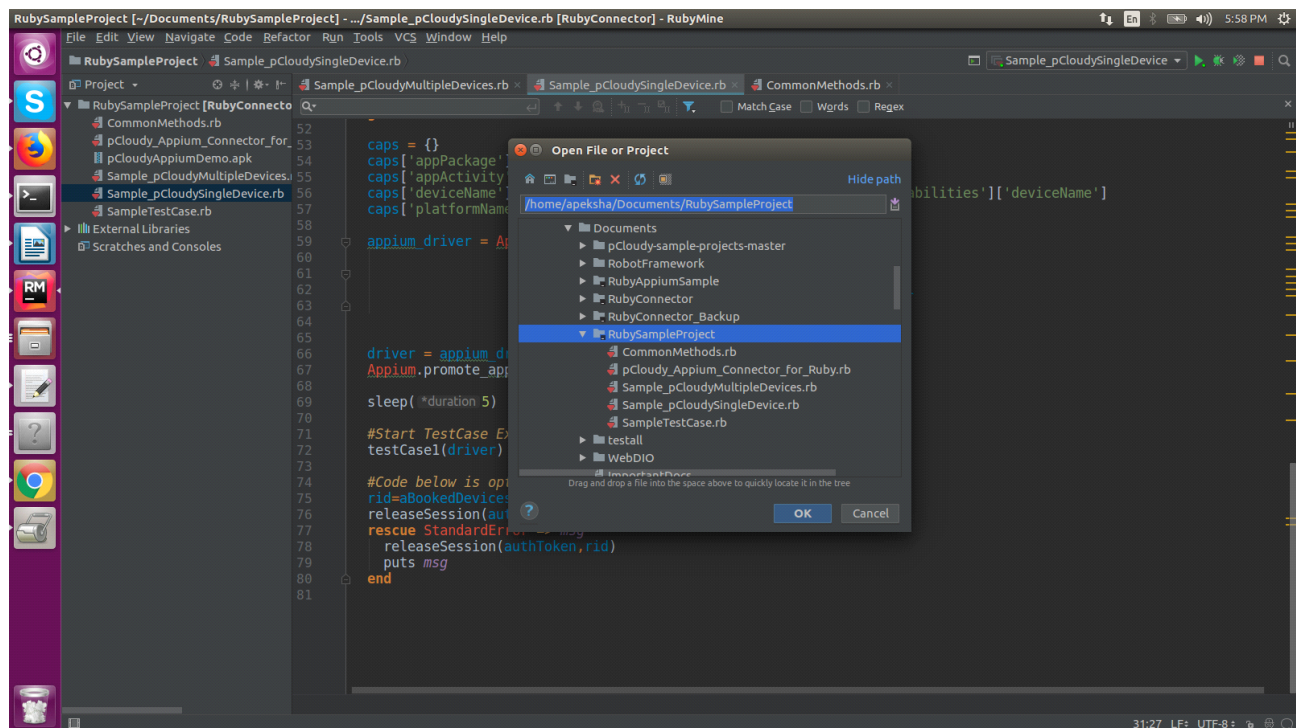
Installing/Importing Appium Connector

Unzip the "RubySampleProject.zip" and save the "RubySampleProject" to the required path.

Steps to import:

1. Open File Tab>>Click on Open button>>Import the files from the required path.

Now you should be able to see if the required files are imported correctly.
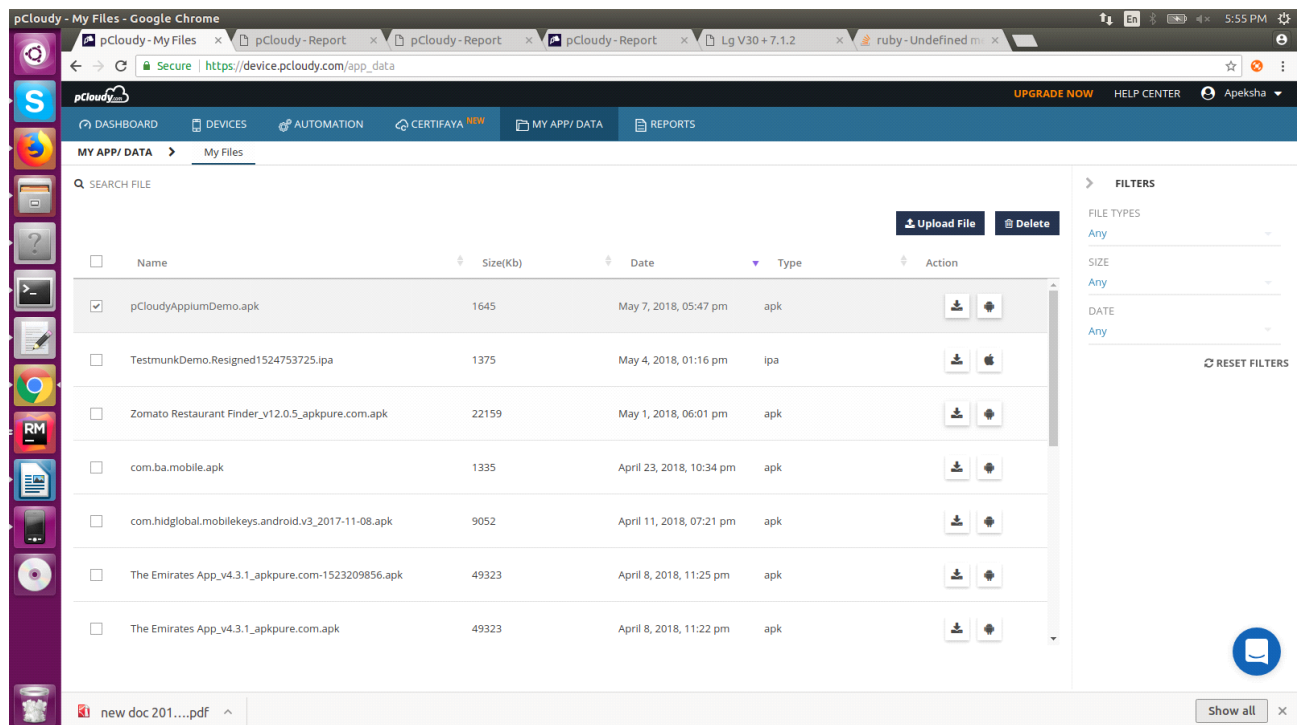
How to upload an app installation file?

Steps to follow: -

Login with your credentials <Cloud URL>

Go to "My App data">>Select apk>>Click on upload button.

Below is the screenshot.

A pop up will appear to browse the app from the local system.

Understanding the Project.

The project contains following file:
  ➢ CommonMethods.rb
  ➢ pCloudy_Appium_Connector_for_Ruby.rb
  ➢ Sample_pCloudyMultipleDevices.rb
  ➢ Sample_pCloudySingleDevice.rb

➢ SampleTestCase.rb
➢ Sample apk(pCloudyAppiumDemo.apk)

Running the test on a Single Device:

Steps to follow:

Open Sample_pCloudySingleDevice.rb

Enter Auth Details:
• cloudUrl : "Enter url"
• emailId : "Enter Email ID"
• apiKey : "Enter API Key"

This Script uses following methods

Methods used in the script:

1. **chooseDevicesFromfulllist**: This method helps to choose the devices from all the available devices on cloud.

The argument of the method are:
a. ***authToken*** *: for the user authentication*
b. ***duration*** *: for the expected duration of test.*
c. ***platform*** *: for the platform name i.e android,ios*

2. chooseDevicesAmongManufacturer: This method helps to choose devices by name of Manufacturer.

 The argument of the method are
a. ***authToken***: *for the user authentication*
b. ***platform***: *for the platform name i.e android,ios*
c. ***manufacturerName***: *for the manufaturer name i.e 'Samsung', 'Nokia'*
d. ***maxCount:*** *for the no. Of devices for run.*

3. chooseDevicesBetweenVersion: This method helps to choose devices between different versions.
The argument of the method are:

a. ***authToken*** *: for the user authentication*
b. ***platform****: for the platform name i.e android,ios*
c. ***lower****: for the lower version of the device*
d. ***higher****: for the higher version of the device*
e. ***maxCount****: for the count of the device*

4. chooseFixedDevicesList: This method helps to choose device from fixed list.
The argument of the method are:
 a. ***authToken*** *: for the user authentication*
 b. ***platform****: for the platform name i.e android, ios*
 c. ***deviceList****: for the device list*

5. authentication: This method helps to authenticate the user.
  The argument of the method are:
  a. ***Cloudurl :*** *for pCloudy url*
  b. ***EmailId :*** *for the emailid of the user.*
  c. ***ApiKey :*** *for the APIKey of the user*

6. bookDevicesForAppium: This method helps to book the device for appium.
   The argument of the method are:
a. *authToken : for the user authentication*
b. *platform: for the platform name i.e android,ios*
c. *bookDuration: for the expected booking duration test.*
d. *sessionName: for the appiumSessionName.*

7. getServerUrl: This method helps to get the AppiumEndPoint.
 The argument of the method are:
a. *authToken : for the user authentication*
b. *uploadedApp: for uplaoding the app.*

Running the test on a Multiple Device:

Steps to follow:

Please refer to Sample_pCloudyMultipleDevices.rb