

Práctica de laboratorio: carga de un archivo comprimido en Raspberry Pi (Versión para el instructor)

Nota para el instructor: El color de fuente rojo o las partes resaltadas en gris indican texto que aparece en la copia del instructor solamente.

Objetivos

- Paso 1: cargue el archivo ZIP en Raspberry Pi.
- Paso 2: descomprima el archivo Zip.
- Paso 3: ejecute la aplicación no descomprimida Jupyter Notebook.

Antecedentes/Escenario

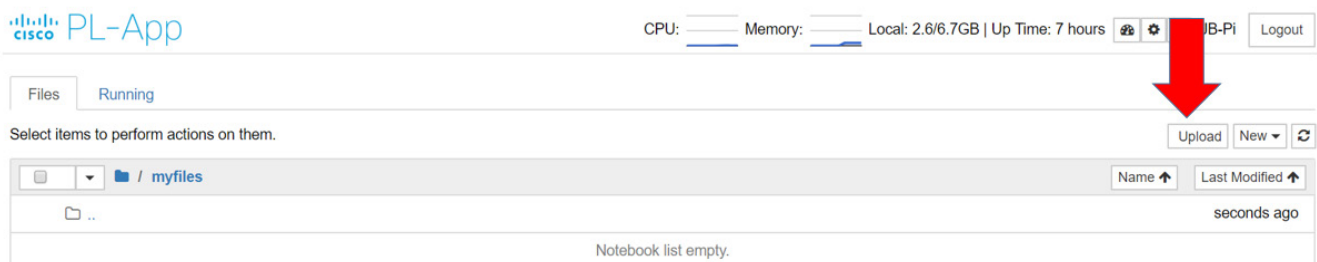
En esta práctica de laboratorio, descargará una carpeta comprimida de Jupyter Notebook y la cargará en Raspberry Pi.

Recursos necesarios

- PL-App conectada a una Raspberry Pi
- Archivo comprimido de libreta de anotaciones


Paso 1: Cargue el archivo comprimido.




- a) Descargue la libreta de anotaciones comprimida utilizando el enlace en la página de currículo.
- b) Abra la conexión de Raspberry Pi y desplácese al directorio /myfiles.
- c) Haga clic en **Upload** (Cargar).



- d) Desplácese hasta el archivo comprimido descargado.
- e) Seleccione **Open** (Abrir) y, a continuación, seleccione **Upload** (Cargar) en Pi.

Práctica de laboratorio: carga de un archivo comprimido en Raspberry Pi

 **PL-App**

CPU: Memory: Local: 2.6/6.7GB | Up Time: 6 hours    JB-Pi

Logout


Files


Running

Select items to perform actions on them.


Upload


New






/ myfiles


Name 

Last Modified 

Notebook list empty.

 ..

seconds ago


 I2IoT_v20_Jupyter_Notebook.zip




Upload

Cancel

Paso 2: Descomprima el archivo comprimido

- a. Seleccione **New terminal** (Nuevo terminal).

 **PL-App**

CPU: Memory: Local: 2.6/6.7GB | Up Time: 6 hours    JB-Pi

Logout


Files


Running

Select items to perform actions on them.


Upload


New






/ myfiles


Name 

Last Modified 

Notebook list empty.

 ..

seconds ago

 I2IoT_v20_Jupyter_Notebook.zip

Upload

Cancel

Notebook:

Bash

Python 3

Other:

Text File

Folder

Terminal

- b. Introduzca los siguientes comandos en la ventana del terminal:

```
cd myfiles
```


```
ls -la
```






```
unzip I2IoT_v20_Jupyter_Notebook.zip
```

```
(pl-app) root@JB-Pi:/home/pi/notebooks# cd myfiles
(pl-app) root@JB-Pi:/home/pi/notebooks/myfiles# ls -la
total 868
drwxr-xr-x 3 root root 4096 Jul 5 20:22 .
drwxr-xr-x 5 root root 4096 Jul 5 19:24 ..
-rw-r--r-- 1 root root 875428 Jul 5 20:22 I2IoT_v20_Jupyter_Notebook.zip
drwxr-xr-x 2 root root 4096 Jul 5 18:58 .ipynb_checkpoints
(pl-app) root@JB-Pi:/home/pi/notebooks/myfiles# unzip I2IoT_v20_Jupyter_Notebook.zip
Archive: I2IoT_v20_Jupyter_Notebook.zip
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/2.2.2.7 Lab - Blinking an LED using Raspberry Pi and PL-App.ipynb
    creating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly_complete.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly_setup_channel.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly_sleep.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly1.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly2.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly2_output_to_channel.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly3.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly4.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/blockly5.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/chestnut_toolbar_blockly.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/cisco.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/morse_code.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/playButton.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/Raspberry_Pi_3_Model_B_pinout.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/rpi_gpio_breadboard_led.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/rpi_gpio_pinout.png
  inflating: 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook/images/topology.png
(pl-app) root@JB-Pi:/home/pi/notebooks/myfiles#
```

Práctica de laboratorio: carga de un archivo comprimido en Raspberry Pi

- c. Seleccione la carpeta no descomprimida Jupyter Notebook.
- d. Comience la práctica de laboratorio haciendo clic en el archivo de la práctica de laboratorio de notebooks.

 **PL-App**

CPU:  Memory:  Local: 2.6/6.7GB | Up Time: 7 hours    JB-Pi [Logout](#)


Files








Running

Select items to perform actions on them.

Upload

New



	 / myfiles / 2.2.2.7 Jupyter Notebook - Blinking an LED using Raspberry Pi and PL-App - Jupyter Notebook	Name 	Last Modified 
	..		seconds ago
	images		17 days ago
	2.2.2.7 Lab - Blinking an LED using Raspberry Pi and PL-App.ipynb		11 hours ago