Gainscha

Reliable and Innovative

# Linux Driver Installation and Setup Manual

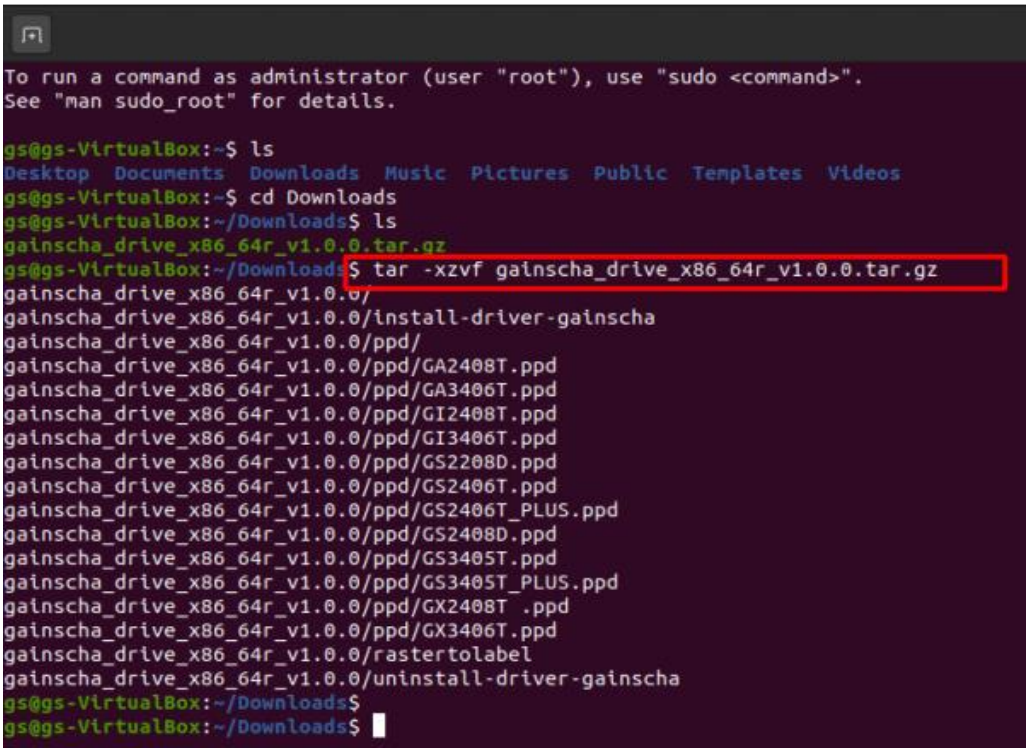
Ver: 1.0

# Contents

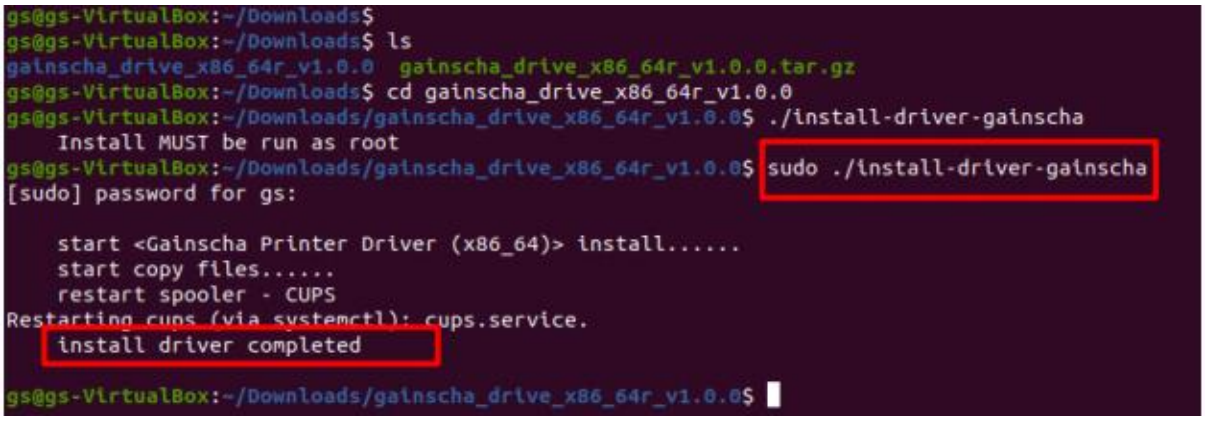
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# I. Installation

1. Unzip the file: gainscha_drive_x86_64r_v1.0.0.tar.gz.

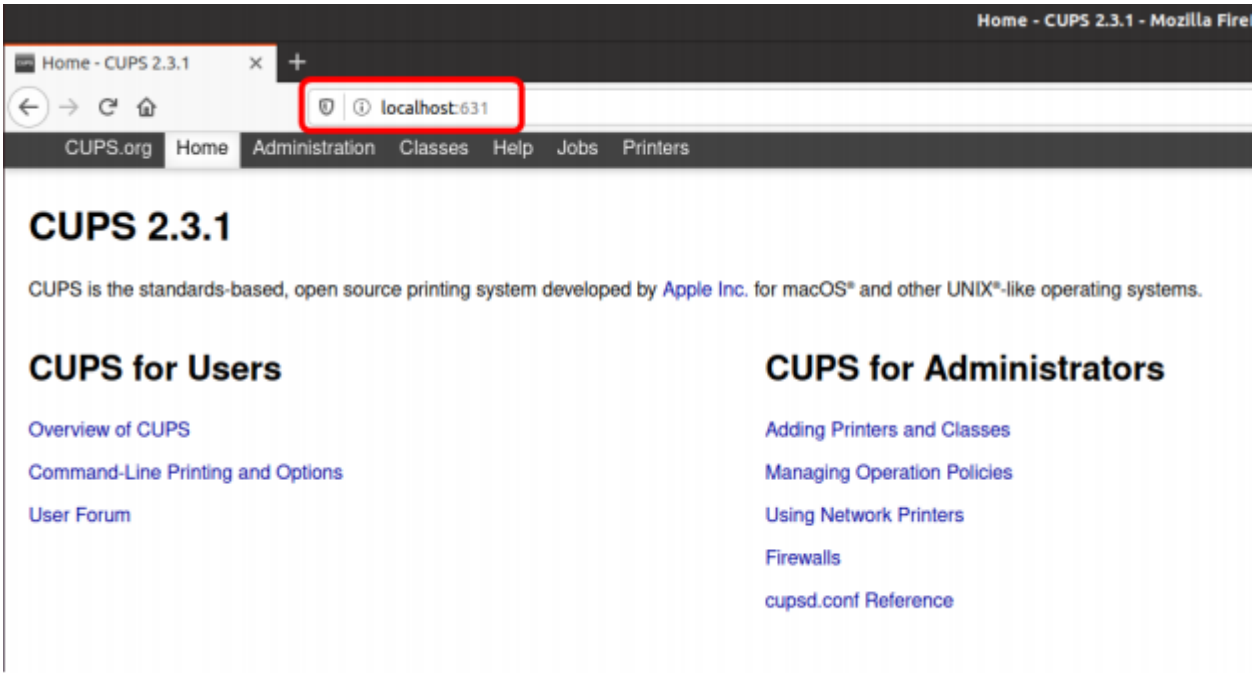



2. Use root to run the install-driver-gainscha

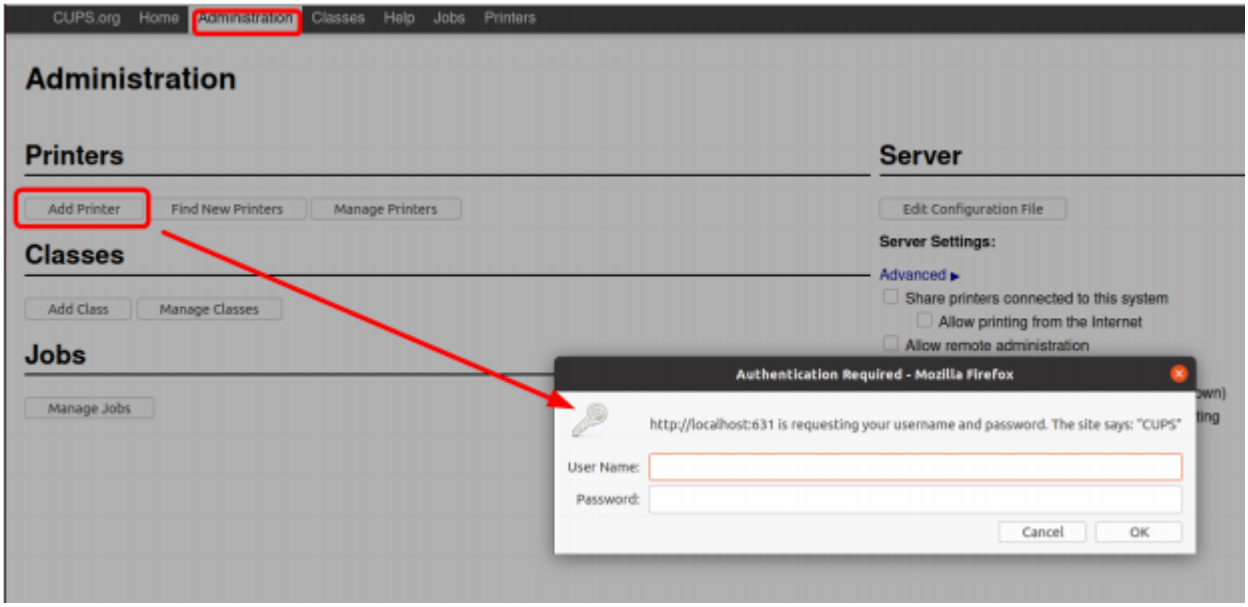


## II. Add a New Printer by CUPS ( Web Interface )

1. Connet your printer to your computer and turn on the printer.
2. Open up your browser and enter the URL :http://localhost:631/



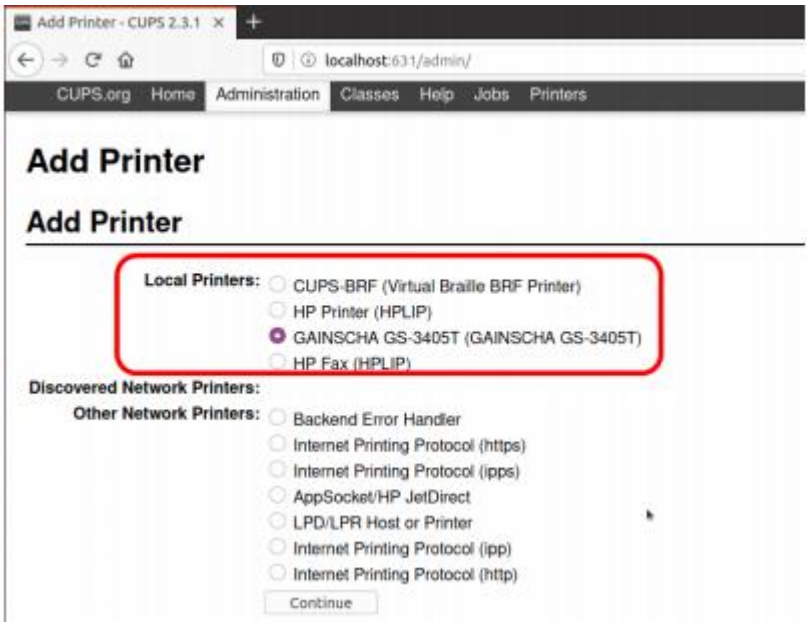

3. Now click on Administration then click on Add Printer.A dialogue will pop up prompting you for your User Name and Password. Enter the administrator name and password.



4. In the “Add Printer” page, choose the appropriate option.

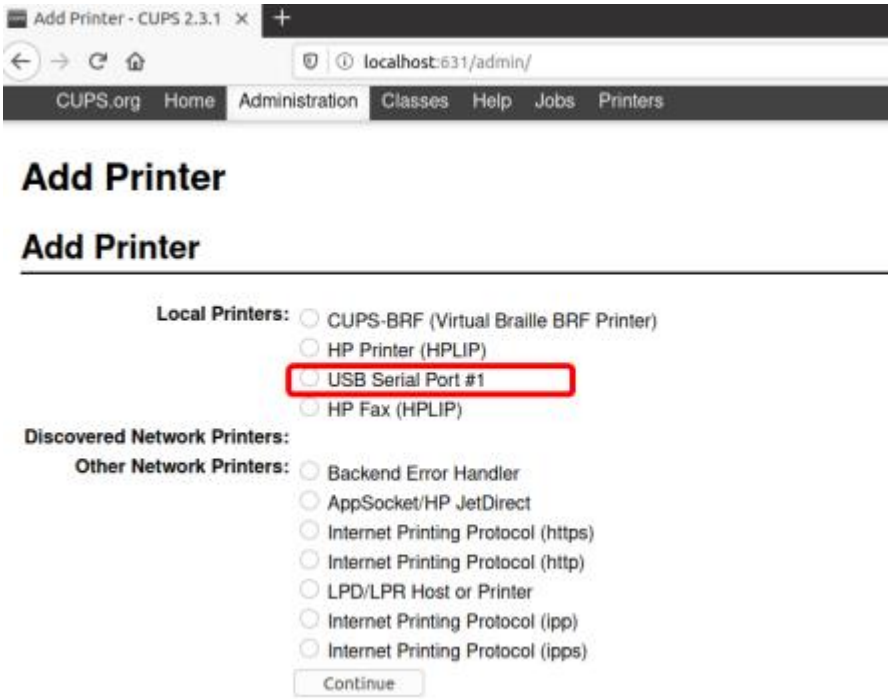
### 4-1 USB:

Choose “Local Printers”. Systems displays the availabe printer and you should choose your Gainscha printer.

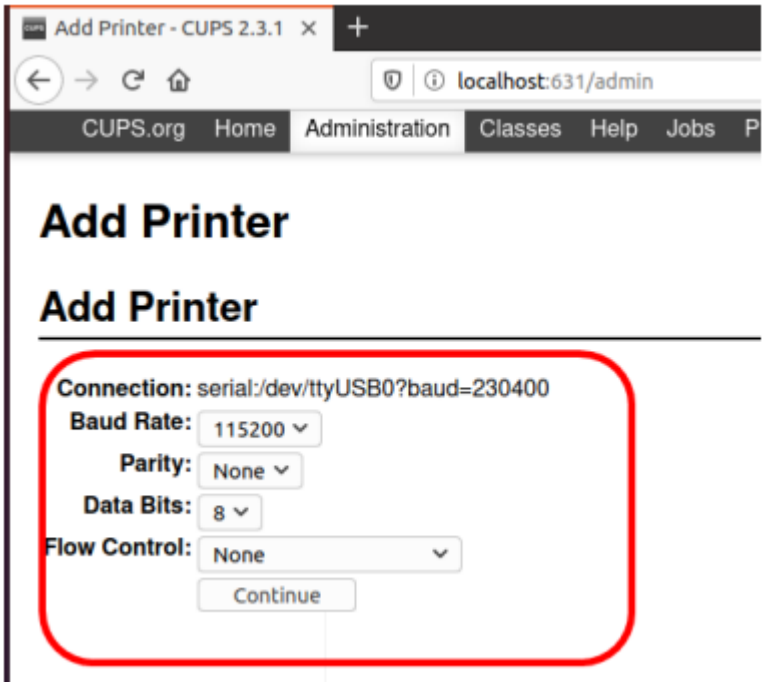



### 4-2 Serial Port:

a. Choose “Local Printers”. Systems displays the availabe printer and you should choose “Serial Port” selection.

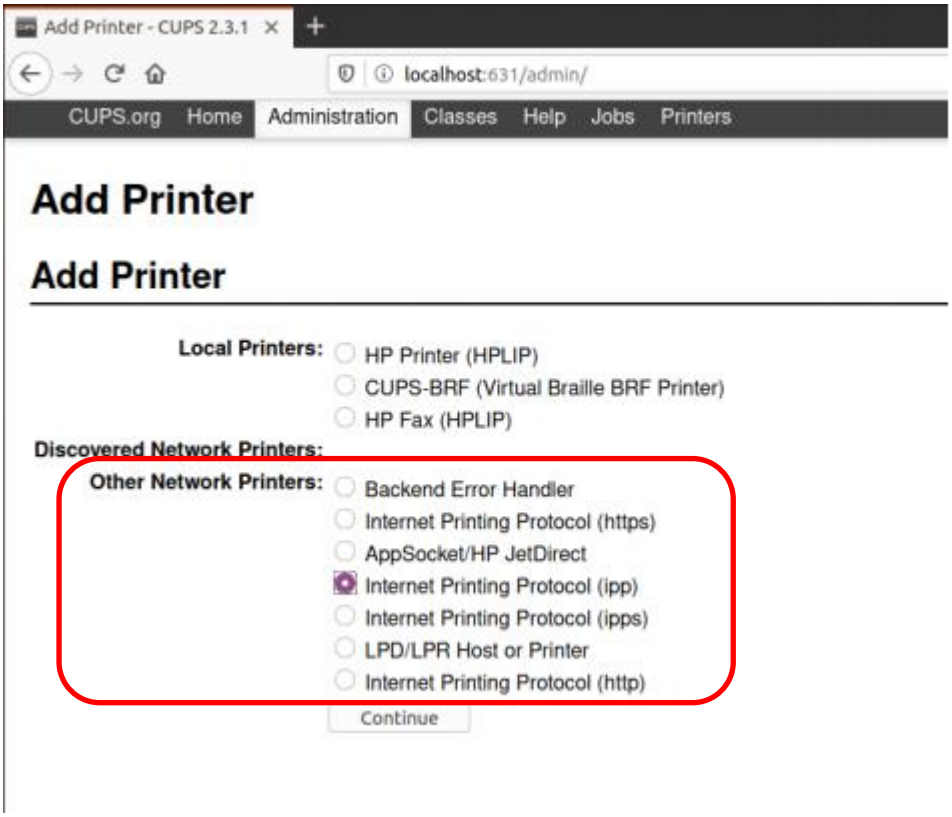


b. After selecting the serial port you should set up the configurations for serial port.

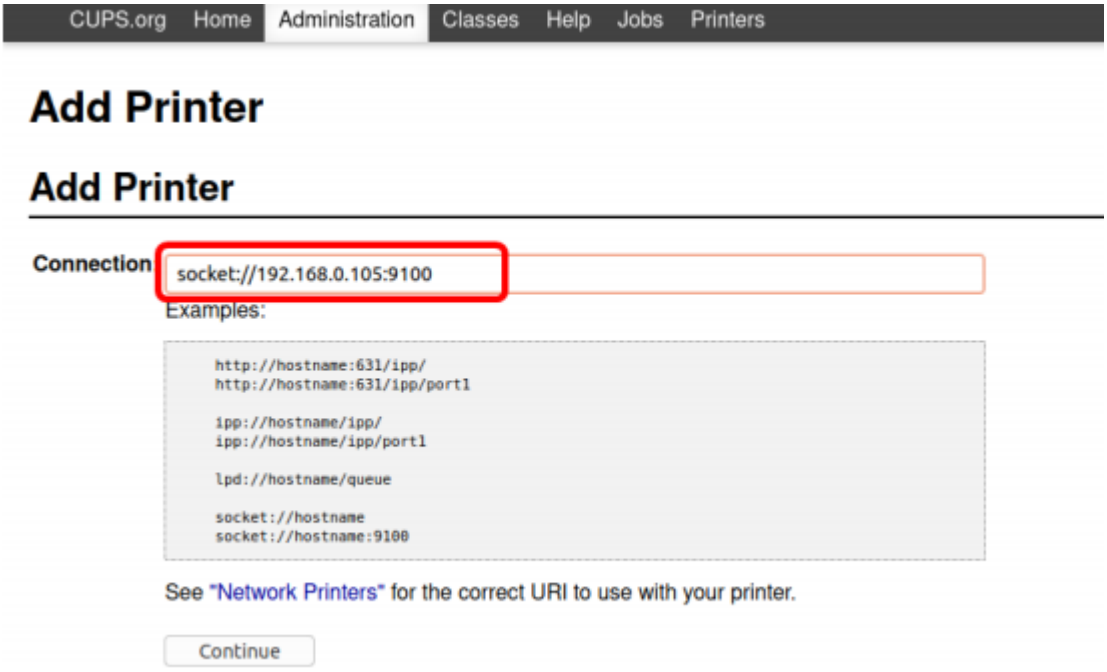



### 4-3 Ethernet:

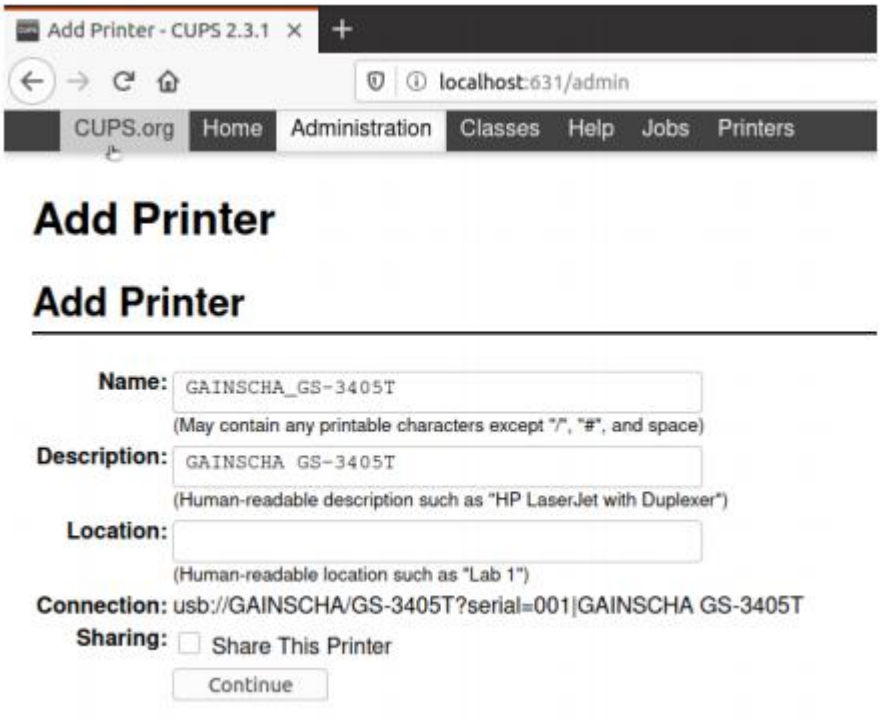
a. Choose “Other Network Printers” and select “Internet Printing Protocol(ipp)”.



b. Enter the connection IPP. Use the type:“socket://hostname:9100”.



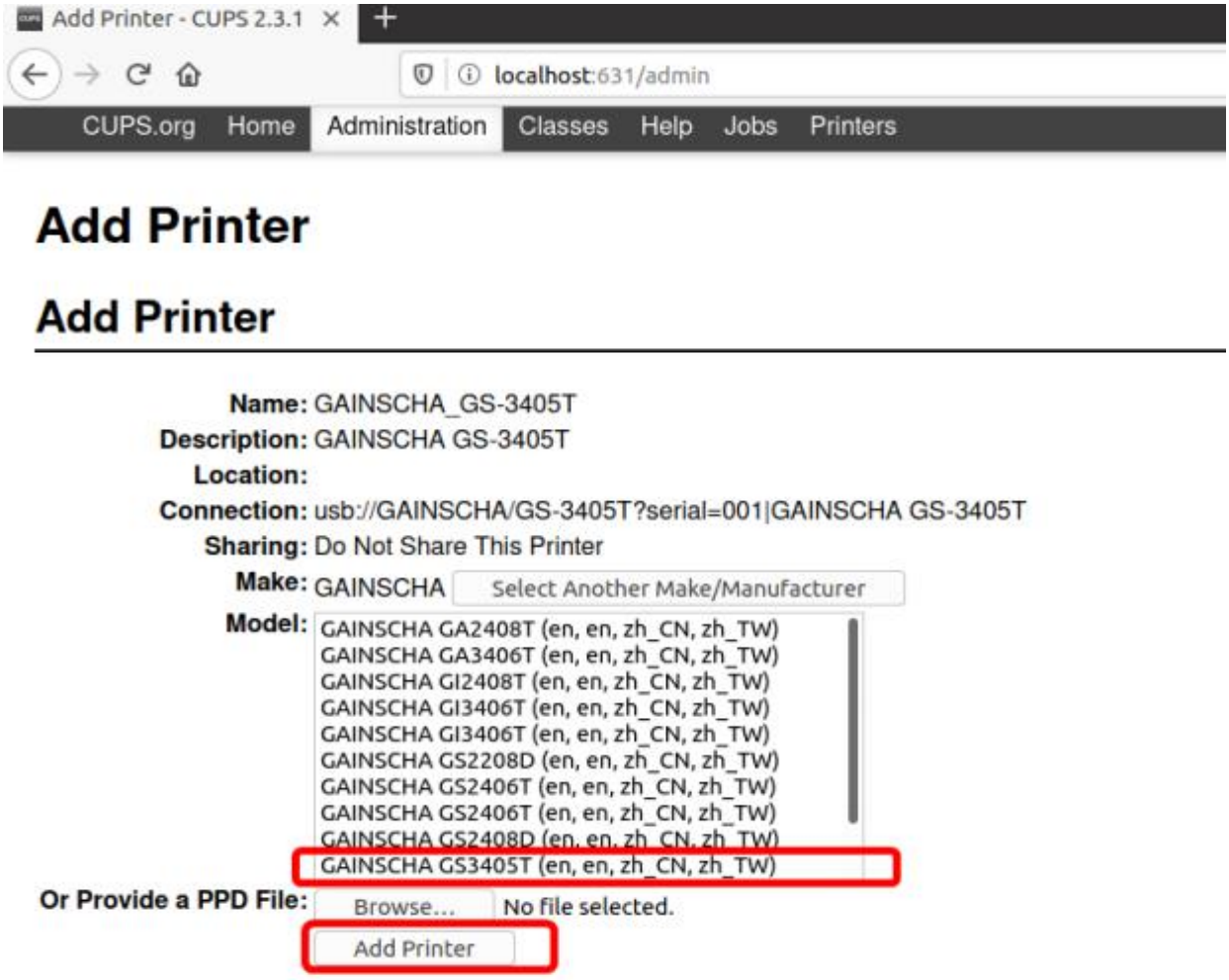

5. The Name and Description would be filled in automatically. If they aren’t, you could fill out by yourself. Click “Continue”.



6. If connect printer with serial port or ethernet, you should choose the manufacturer first.




7. You could find almost all the Gainscha printers in the list, if you don't, reinstall the driver. Choose your printer model and click "Add printer."

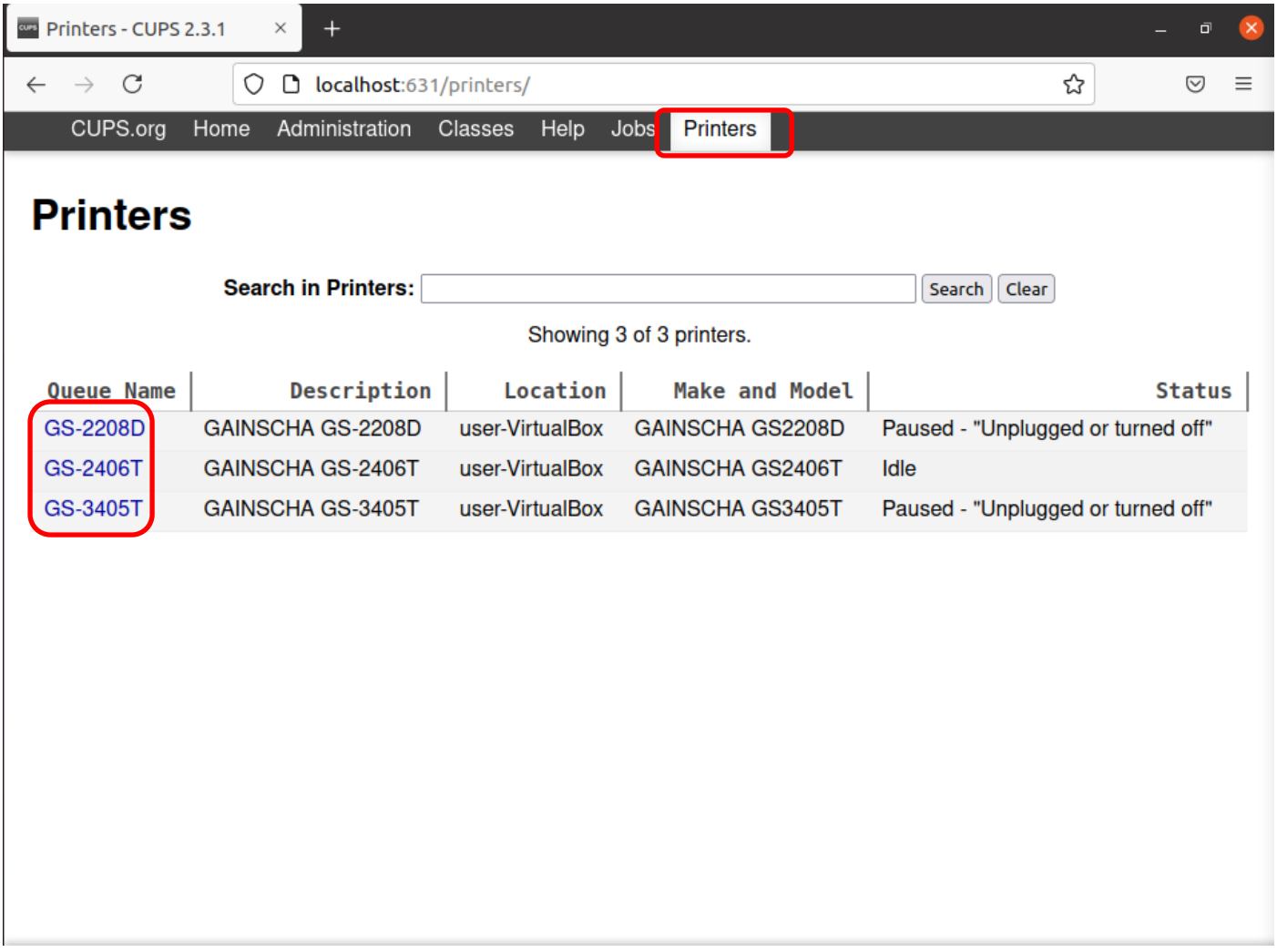


8. Insatall the printer succesfully and you can start setting the printer.

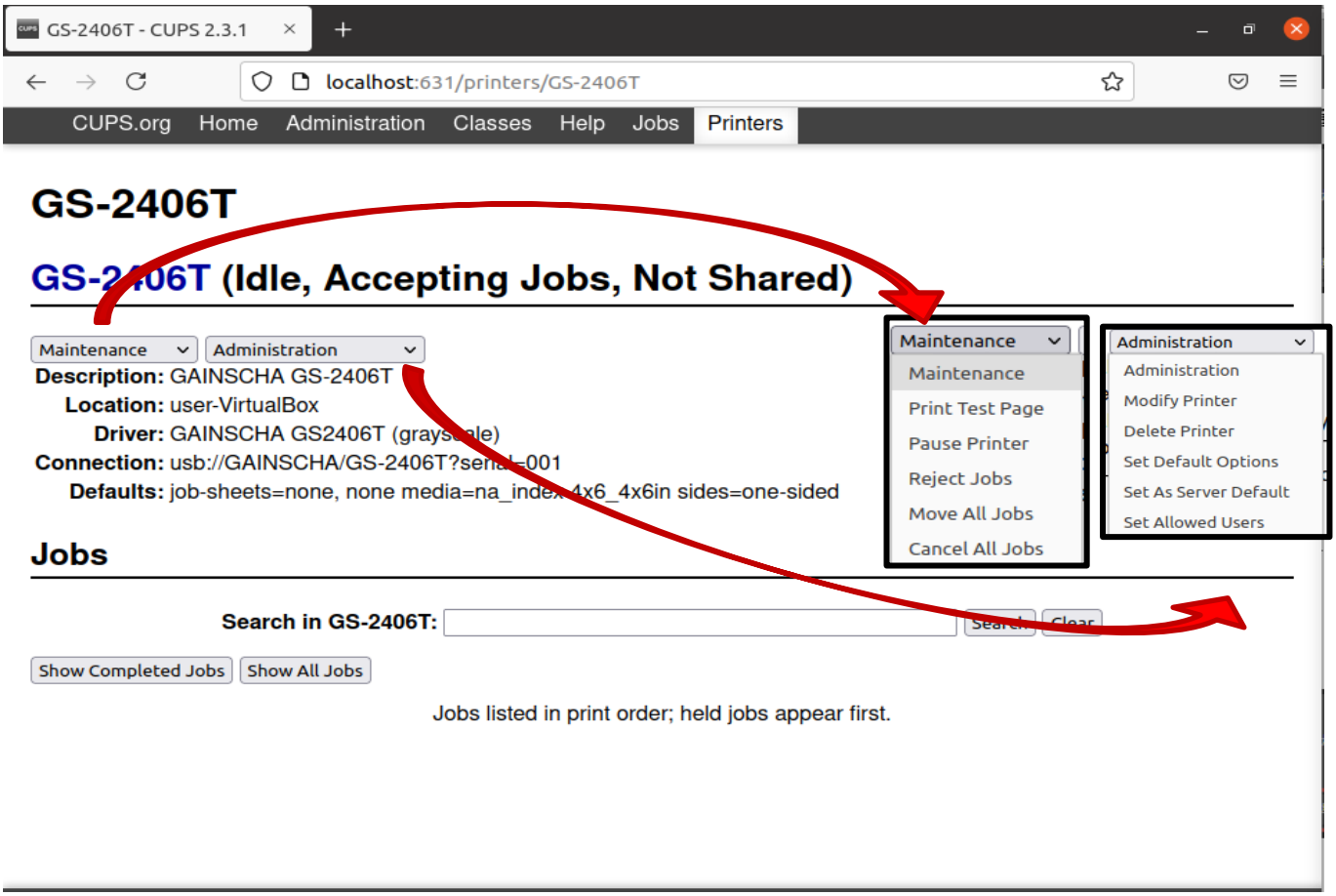



## III. Set a Printer by CUPS（Web Interface）

1. Enter the printer list, select the printer



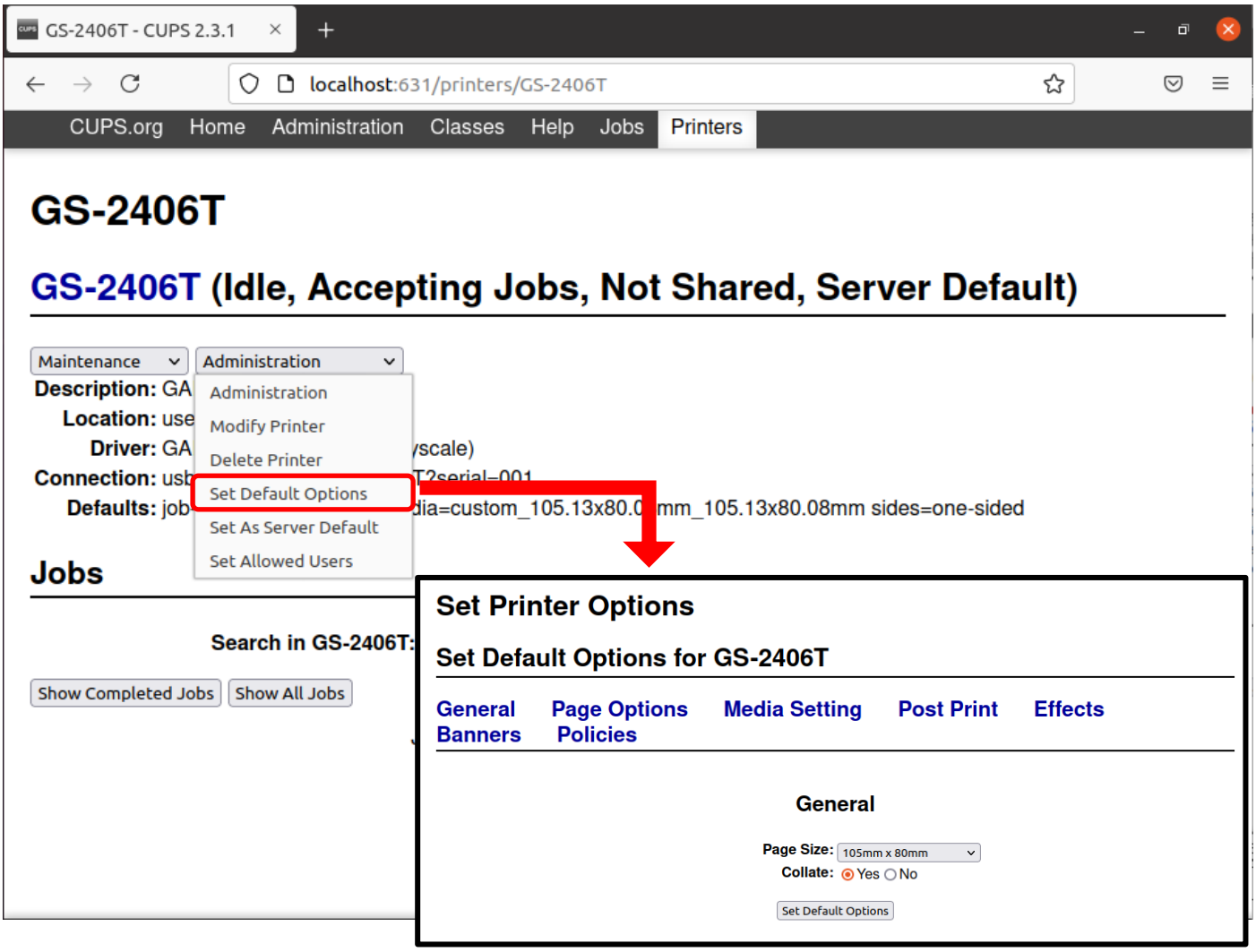
2. Enter the maintenance interface




**Maintenance interface description:**

| name | description |
|---|---|
| Description | The printer description set when the printer was created |
| Location | Printer location |
| Driver | Printer driver |
| Connection | Connection method |
| Defaults | Set value |
| Jobs | Print task |

3. Enter printer options




## General(Basic function):

| name | description |
|---|---|
| PageSize | Set the width and height of the label paper. |
| Collate | Pagination settings. |

## Page Options(Printer Settings):

| name | description |
|---|---|
| PrintSpeed | Set the printing speed from 1 to 15 (refer to the maximum value of each machine specification). |
| Darkness | Set printing heat from 0 (lightest) to 15 (darkest). The default value is 7, which determines the density of the printed content. |
| Horizontal Offset | Set the displacement of the horizontal (left and right) position of the printed content. |
| Vertiacal Offset | Set the displacement of the vertical (up and down) position of the printed content. |

**Media Setting(Paper Settings):**

| name | description |
|---|---|
| Media Method | Print mode:<br>Use Currently Printer Setting<br>Direct Thermal<br>Thermal Thermal |
| Type | Label type:<br>Label with Gaps<br>Label with Mark<br>Continue |
| Gaps Height | Set gaps height |
| Gaps Offset | Set gaps offset |

**Post Print:**

| | |
|---|---|
| Post-Print Action | After printing, you can set the printer to perform actions<br>None: No movement or action will be made after printing.<br>Tear: After the printing is completed, the gap of the label paper will be stopped at the tearing saw blade, so that the user can easily tear the paper.<br>Peel: After the printing is completed, the paper is peeled off by the peeler. The user must remove the label before the printer will print the next label.<br>Cut: After printing, the printer will cut the label. |
| Occurrence | Cutting task:<br>Cut Every Label<br>Cut Only Last One<br>Cut by Cut Number |
| Cut Number | Set the number of sheets to be printed by the printer for cutting. |
| Feed Offset | Set feed offset |

**Policies:**

| | |
|---|---|
| Error Policy | Error Policy :<br>abort-job<br>retry-current-job<br>retry-job<br>stop-printer |
| Operation Policy | Operation Policy :<br>Authenticated<br>Default |

| | |
|---|---|
| | Kerberos |

## IV. Uninstallation

1. Use root to run the uninstall-driver-gainscha

