

Introducción a Linux Impresión en Linux

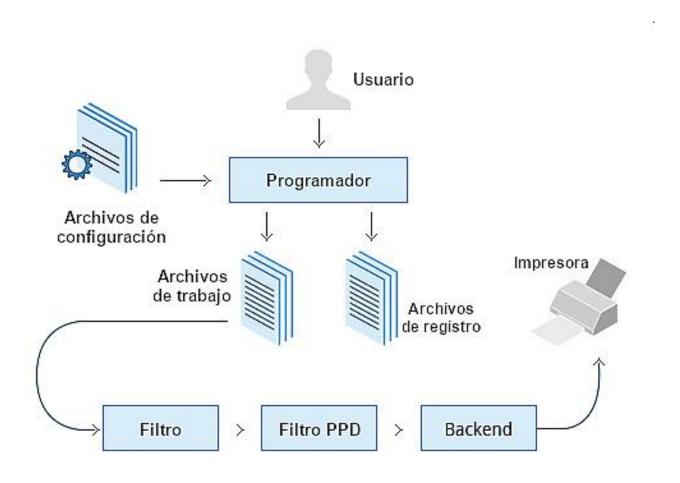
Common Unix Printing System (CUPS)



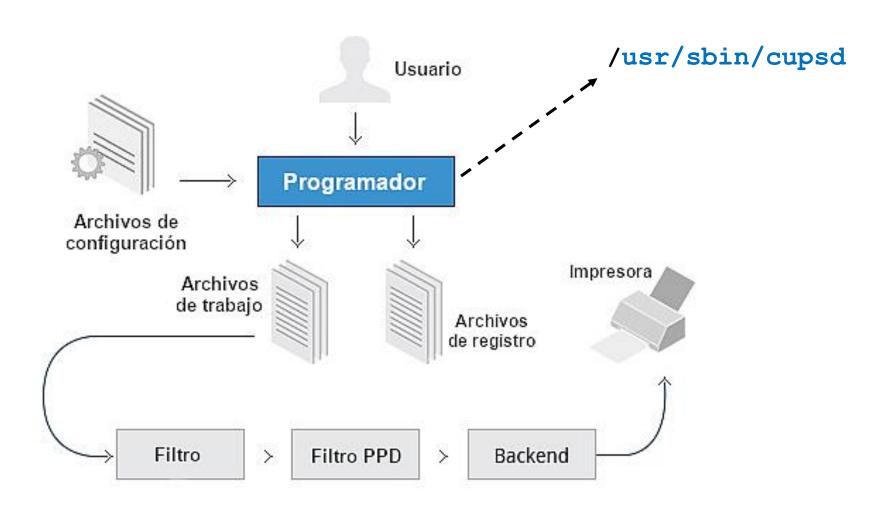
Fundamentos de CUPS



¿Cómo funciona CUPS?



Planificador (Scheduler)



Archivos de configuración

/etc/cups

```
/etc/cups/cupsd.conf
/etc/cups/printers.conf
```

```
$ ls -l /etc/cups
total 76
-rw-r--r-- 1 root root 26954 May 9 2019 cups-browsed.conf
-rw-r--r-- 1 root root 6403 Aug 5 2019 cupsd.conf
-rw-r--r-- 1 root root 2923 May 30 2019 cups-files.conf
drwxr-xr-x 2 root root
                       4096 May 30
                                   2019 interfaces
drwxr-xr-x 2 root lp
                       4096 Jan 30 11:05 ppd
-rw------ 1 root lp
                      454 Jan 30 11:06 printers.conf
-rw-r--r-- 1 root root 240 Aug 5
                                   2019 raw.convs
-rw-r--r-- 1 root root 211 Aug 5 2019 raw.types
-rw-r--r-- 1 root root 142 May 30 2019 snmp.conf
drwx----- 2 root lp
                                   2019 ssl
                       4096 May 30
-rw-r----- 1 root lp
                       1194 Jan 30 11:06 subscriptions.conf
                      681 Jan 30 10:49 subscriptions.conf.0
-rw-r---- 1 root lp
```

```
$ sudo cat /etc/cups/printers.conf
# Printer configuration file for CUPS
# Written by cupsd
 DO NOT EDIT THIS FILE WHEN CUPSD IS
<Printer CUPS-BRF-Printer>
UUID urn:uuid:3c3430e4-5d84-3abf-7385
Info CUPS-BRF
MakeModel Generic Text-Only Printer
DeviceURI cups-brf:/
State Idle
StateTime 1643569553
ConfigTime 1643569553
Type 12292
Accepting Yes
Shared Yes
JobSheets none none
OuotaPeriod 0
PageLimit 0
KLimit 0
OpPolicy default
ErrorPolicy retry-job
</Printer>
```

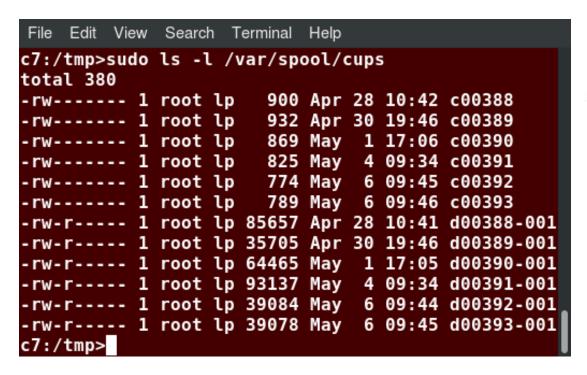
/var/spool/cups

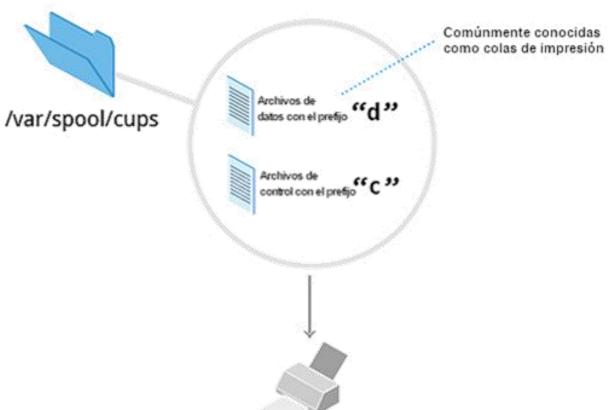
Archivos de trabajo

"cola de impresión"

```
/var/spool/cups/d*
/var/spool/cups/c*
```

Por cada trabajo, datos y control





Archivos de registro

/var/log/cups

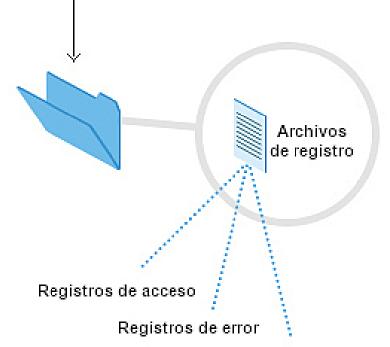
```
/var/log/cups/access_log
/var/log/cups/error_log
/var/log/cups/page_log
/var/log/cups/*.gz
```

```
Archivos históricos comprimidos
```

```
/var/log/cups/page_log | $ sudo ls -l /var/log/cups | /var/log/cups | $ sudo ls -l /var/log/cups | $ su
```

```
File Edit View Search Terminal Help

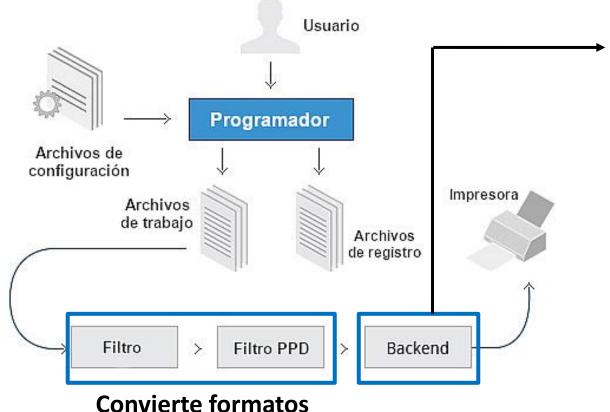
c7:/tmp>ls -l /var/log/cups
total 32
-rw------ 1 root lp 2405 May 7 11:57 access_log
-rw------ 1 root lp 477 Apr 29 07:31 access_log-20180429.gz
-rw------ 1 root lp 722 May 6 08:27 access_log-20180506.gz
-rw------ 1 root lp 129 May 7 06:07 error_log
-rw------ 1 root lp 199 Apr 29 07:31 error_log-20180429.gz
-rw------ 1 root lp 240 May 6 07:28 error_log-20180506.gz
-rw------ 1 root lp 0 Apr 9 06:17 page_log
-rw------ 1 root lp 200 Feb 26 09:18 page_log-20180227.gz
-rw------ 1 root lp 120 Apr 8 10:50 page_log-20180409.gz
```



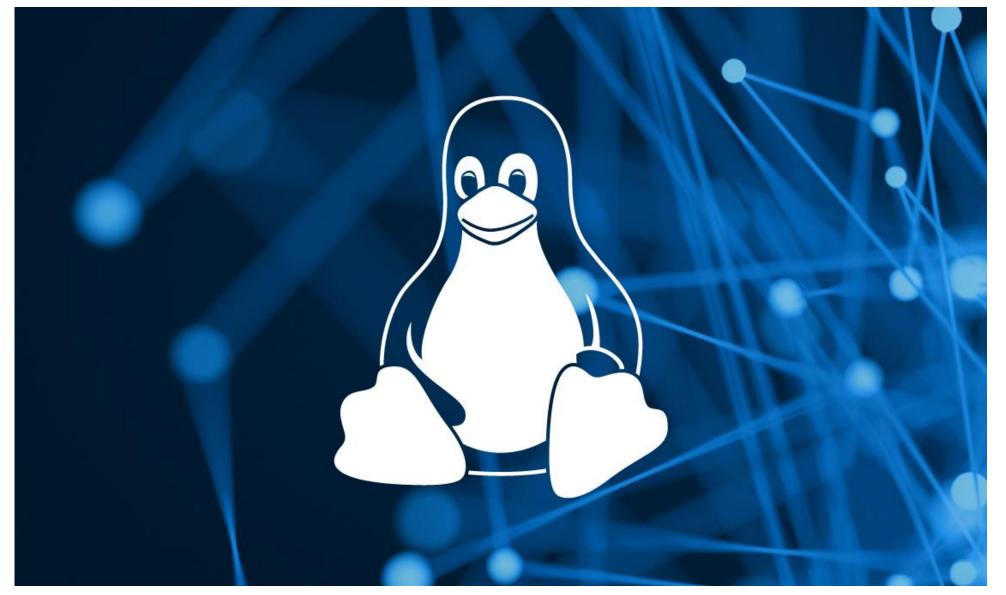
Registros de página

Filtros, controladores de impresora y backends





Envía la información a la impresora (puerto serie, USB, red, ...)

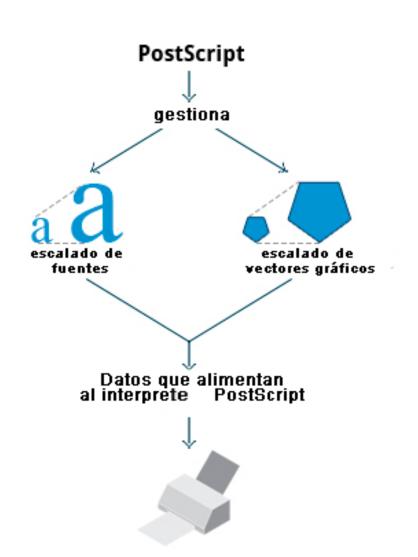


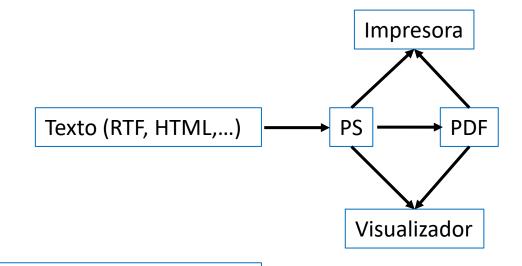
Introducción a Linux Impresión en Linux



Introducción a Linux Trabajando con PostScript y PDF

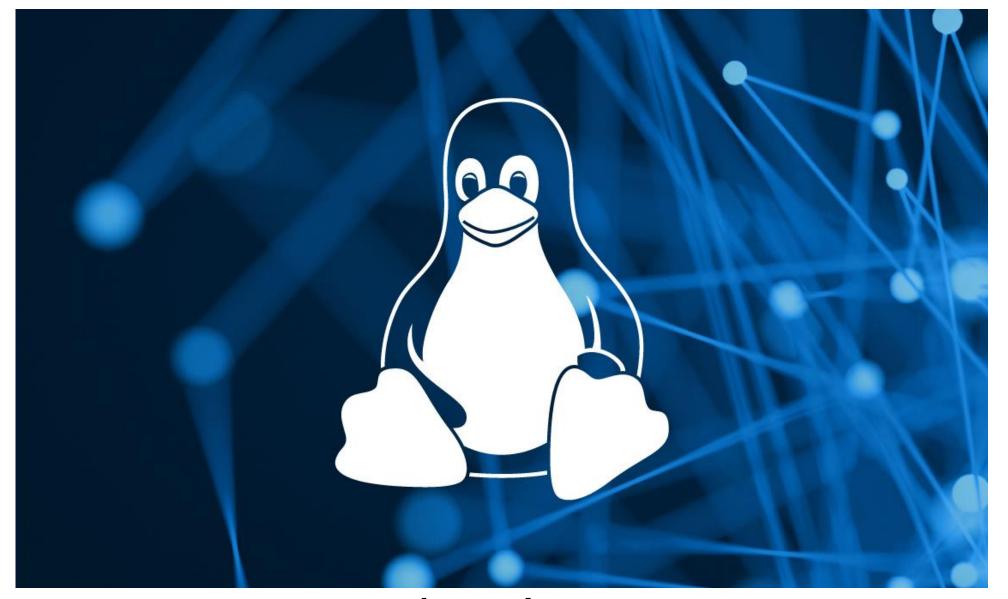
Trabajando con PostScript y PDF





Herramientas

enscript
ps2pdf (ghostscript)
pdf2ps (ghostscript)
convert (ImageMagick)
evince (viewer)
okular (viewer)



Introducción a Linux Trabajando con PostScript y PDF