

**NAME**

lpadmin – configure cups printers and classes

**SYNOPSIS**

**lpadmin** [ **-E** ] [ **-U** *username* ] [ **-h** *server[:port]* ] **-d** *destination*

**lpadmin** [ **-E** ] [ **-U** *username* ] [ **-h** *server[:port]* ] **-p** *destination* [ **-R** *name-default* ] *option(s)*

**lpadmin** [ **-E** ] [ **-U** *username* ] [ **-h** *server[:port]* ] **-x** *destination*

**DESCRIPTION**

**lpadmin** configures printer and class queues provided by CUPS. It can also be used to set the server default printer or class.

When specified before the *-d*, *-p*, or *-x* options, the *-E* option forces encryption when connecting to the server.

The first form of the command (*-d*) sets the default printer or class to *destination*. Subsequent print jobs submitted via the **lp**(1) or **lpr**(1) commands will use this destination unless the user specifies otherwise with the **lpoptions**(1) command.

The second form of the command (*-p*) configures the named printer or class. The additional options are described below.

The third form of the command (*-x*) deletes the printer or class *destination*. Any jobs that are pending for the destination will be removed and any job that is currently printed will be aborted.

**OPTIONS**

The following options are recognized when configuring a printer queue:

**-c** *class*

Adds the named *printer* to *class*. If *class* does not exist it is created automatically.

**-i** *ppd-file*

**-P** *ppd-file*

Specifies a PostScript Printer Description (PPD) file to use with the printer.

**-m** *model*

Sets a standard PPD file for the printer from the *model* directory or using one of the driver interfaces. Use the *-m* option with the **lpinfo**(8) command to get a list of supported models. The model "raw" clears any existing PPD file and the model "everywhere" queries the printer referred to by the specified IPP *device-uri*. Note: The "raw" model is deprecated and will not be supported in a future version of CUPS.

**-o cupsIPPSupplies=true**

**-o cupsIPPSupplies=false**

Specifies whether IPP supply level values should be reported.

**-o cupsSNMPSupplies=true**

**-o cupsSNMPSupplies=false**

Specifies whether SNMP supply level (RFC 3805) values should be reported.

**-o job-k-limit=value**

Sets the kilobyte limit for per-user quotas. The value is an integer number of kilobytes; one kilobyte is 1024 bytes.

**-o job-page-limit=value**

Sets the page limit for per-user quotas. The value is the integer number of pages that can be printed; double-sided pages are counted as two pages.

**-o job-quota-period=value**

Sets the accounting period for per-user quotas. The value is an integer number of seconds; 86,400 seconds are in one day.

- o job-sheets-default=***banner*
- o job-sheets-default=***banner,banner*  
Sets the default banner page(s) to use for print jobs.
- o name=*value*  
Sets a PPD option for the printer. PPD options can be listed using the **-l** option with the **lpoptions(1)** command.**
- o name-default=*value*  
Sets a default server-side option for the destination. Any print-time option can be defaulted, e.g., "**-o number-up-default=2**" to set the default "number-up" option value to 2.**
- o port-monitor=*name*  
Sets the binary communications program to use when printing, "none", "bcp", or "tbcip". The default program is "none". The specified port monitor must be listed in the printer's PPD file.**
- o printer-error-policy=*name*  
Sets the error policy to be used when the printer backend is unable to send the job to the printer. The name must be one of "abort-job", "retry-job", "retry-current-job", or "stop-printer". The default error policy is "stop-printer" for printers and "retry-current-job" for classes.**
- o printer-is-shared=true**
- o printer-is-shared=false**  
Sets the destination to shared/published or unshared/unpublished. Shared/published destinations are publicly announced by the server on the LAN based on the browsing configuration in *cupsd.conf*, while unshared/unpublished destinations are not announced. The default value is "true".
- o printer-op-policy=*name*  
Sets the IPP operation policy associated with the destination. The name must be defined in the *cupsd.conf* in a Policy section. The default operation policy is "default".**
- R name-default**  
Deletes the named option from *printer*.
- r class**  
Removes the named *printer* from *class*. If the resulting class becomes empty it is removed.
- u allow:**{*user*|@*group*}{,*user*|,@*group*}\*
- u deny:**{*user*|@*group*}{,*user*|,@*group*}\*
- u allow:all**
- u deny:none**  
Sets user-level access control on a destination. Names starting with "@" are interpreted as UNIX groups. The latter two forms turn user-level access control off. Note: The user 'root' is not granted special access – using "**-u allow:foo,bar**" will allow users 'foo' and 'bar' to access the printer but NOT 'root'.
- v "device-uri"**  
Sets the *device-uri* attribute of the printer queue. Use the **-v** option with the **lpinfo(8)** command to get a list of supported device URIs and schemes.
- D "info"**  
Provides a textual description of the destination.
- E** When specified before the **-d**, **-p**, or **-x** options, forces the use of TLS encryption on the connection to the scheduler. Otherwise, enables the destination and accepts jobs; this is the same as running the **cupsaccept(8)** and **cupsenable(8)** programs on the destination.
- L "location"**  
Provides a textual location of the destination.

**CONFORMING TO**

Unlike the System V printing system, CUPS allows printer names to contain any printable character except SPACE, TAB, "/", or "#". Also, printer and class names are *not* case-sensitive. Finally, the CUPS version of **lpadmin** may ask the user for an access password depending on the printing system configuration. This differs from the System V version which requires the root user to execute this command.

**NOTES**

The CUPS version of **lpadmin** does not support all of the System V or Solaris printing system configuration options.

The double meaning of the **-E** option is an unfortunate historical oddity.

**EXAMPLE**

Create an IPP Everywhere print queue:

```
lpadmin -p myprinter -E -v ipp://myprinter.local/ipp/print -m everywhere
```

**SEE ALSO**

**cupsaccept(8)**, **cupsenable(8)**, **lpinfo(8)**, **lpoptions(1)**, CUPS Online Help (<http://localhost:631/help>)

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