# – General Linux 2 –
# Manage Printers & Print Queues

## (Linux Professional Institute Certification)

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# **Manage printers & print queues**

**1.107.2**  **Manage printers & print queues**

**1.107.3**  Print files

**1.107.4**  Install & configure local & remote printers

# Manage printers & print queues

## Objective

Candidates should be able to manage print queues and user print jobs. This objective includes monitoring print server and user print queues and troubleshooting general printing problems.

# Manage printers & print queues

## Key files, terms, and utilities

**lpc**  Printing control

**lpq**  Display Print queue

**lprm**  Job removal

**lpr**  Job submission

`/etc/printcap` - Configuration file

# Resources of interest

Printing-HOWTO

Printing-Usage-HOWTO

# LPC - Printer Control

- LPC Is used to control a printer or print job

- Can be run interactively.

- Usage is:

```
lpc [command [argument]]
```

# LPC - Printer Control

## Example 1 - Non Interactive:

```
# lpc status
 Printer              Printing Spooling Jobs  Server Subserver
lp@Node4               enabled  enabled   0    none    none
```

## Example 2 - Interactive

```
# lpc
lpc> status
 Printer              Printing Spooling Jobs  Server Subserver
lp@Node4               enabled  enabled   0    none    none
lpc> quit
```

# **LPC Commands**

For a complete list of commands, use the command `lpc help`. Some of the more important commands to know are:

**abort** - Immediately terminate active spool & disable printing

**disable** - Stop spooling for this printer

**enable** - Start spooling for this printer

**down** - Disable spooling & printing

**up** - Enable spooling & printing

**stop** - Stop printing after current job is complete

**start** - Enable spooling & start printing

**quit** - Exit from interactive mode

**help** - Show all commands

# LPQ - Display Printer Queue

- Every print job is assigned a *job-id*

- You need the job-id to remove or reorder a job in the queue

- lpq shows the job-id along with information about the job.

Usage is:

```
# lpq [-P printer] [Job-id]
```

# LPQ - Example

**Example - Show all jobs on default Queue**

```
# lpq
Printer: lp@Node4 'lp0' (dest HPLjet@node10.aes)
 Queue: 2 printable jobs
 Server: pid 27354 active
 Unspooler: pid 27356 active
 Status: waiting for subserver to exit at 12:22:58.553
 Rank    Owner/ID         Class Job Files   ....
 1       root@Node4+353     A    353 /etc/hosts ....
 2       root@Node4+357     A    357 /etc/ntp.conf ....
Printer: HPLjet@Node10 'lp0' (printing disabled ...
```

# LPRM - Remove job(s) from Queue

- lprm is used to remove jobs from a queue

- jobs can be removed by:

  - by job-id (use lpq to find out)

  - by user

Usage is:

```
# lprm [-P printer] [Job-id ...] [user ...]
```

# LPRM - Example

**Example - Remove all jobs owned by root**

```
# lprm root
Printer lp@Node4:
  checking perms 'root@Node4+353'
  dequeued 'root@Node4+353'
  checking perms 'root@Node4+357'
  dequeued 'root@Node4+357'
Printer HPLjet@Node10:
# lpq
```