1.107.2 Manage printers and print queues Weight 1

Linux Professional Institute Certification — 102

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2005 July

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Context

Objectiv

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Printer control with

lpq

Removing printer jobs:

License Of Thi

Outline

Context
Objective
Resources
Printer control with lpc lpc examples

lpc commands
Show printer queue: lpq
lpq example
Removing printer jobs: lprm
lprm example
License Of This Document

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Contex

Objective

Resources

Printer control with

lpq

Removing printer jobs lprm

icense Of Th

Context

Objective

iesources

lpc

lpq

1prm

icense Of This

1.107.2 Manage printers and print queues [1]

1.107.3 Print files [1]

1.107.4 Install and configure local and remote printers [1]

Description of Objective 1.107.2 Manage printers and print queues

1.107.2 Manage printers and print queues Weight 1

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Context

Objective

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lpc

lpq

Removing printer jobs

License Of Th Document

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.

Key files, terms, and utilities include:

1.107.2 Manage printers and print queues

Ipc Printing control
Ipq Display Print queue
Iprm Job removal
Ipr Job submission
/etc/printcap — Configuration file

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Context

Objective

Hesources

Printer control with

Show printer queue Lpq

emoving printer jobs orm

icense Of This

Resources of interest

Printing-HOWTO
Printing-Usage-HOWTO

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Context

Objective

Resources

Printer control with

lpq

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icense Of This

lpc — Printer Control

- ► lpc Is used to control a printer or print job
- Can be run interactively.
- Can be run interactively.

```
▶ Usage is:
lpc [⟨command⟩ [⟨argument⟩]]
```

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Andrew Eager

Context

Objective

resources

Printer control with

lpc examples

Show printer queue:

Removing printer jobs:

License Of This

Outline

Printer control with 1pc lpc examples

lpc commands

Manage printers and print queues Weight 1

Andrew Eager

lpc examples

lpc — Printer Control

Example 2 — Interactive

Manage printers and print queues Weight 1

Server Subserver none none

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Example 1 — Non Interactive:

\$ lpc status ←

Printer lp@Node4

\$ lpc ← lpc> status Printer

Printing Spooling Jobs enabled enabled

enabled enabled

Printing Spooling Jobs Server Subserver

none

none

lp@Node4 lpc> quit

Outline

Context Objective

Printer control with 1pc

oc examples

lpc commands

Show printer queue: 1pq 1pq example Removing printer jobs: 1prm lprm example 1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Contex

Objective

resources

rinter control with

lpc examples lpc commands

ipc comma

Show printer queue:

Removing printer jobs:

lprm

License Of This

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

With the CUPS printing system, lpc status is the only command implemented. Use lpadmin instead for controlling the queue.

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Context

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rinter control w

lpc examples

Show printer queue:

lpq

Removing printer jobs

License Of This Document



1pq — 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 Ipg shows the job-id along with information about the job.

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- Show printer queue:

- Usage is:
- lpq [-P printer] [Job-id]

Outline

Printer control with 1pc

lpc commands Show printer queue: 1pq lpq example

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lpg 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

- ▶ Iprm is used to remove jobs from a queue
- jobs can be removed by:
 - by job-id (use lpg to find out)
 - by user

Usage is:

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

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Context

Objective

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lpc

1pq

Removing printer jobs:

Iprm example

icense Of This

Outline

Context
Objective
Resources
Printer control with 1pc

lpc commands

Show printer queue: 1pq

Removing printer jobs: lprm lprm example

Manage printers and print queues
Weight 1

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Contex

Objective

resources

lpc

Removing printer jobs:

lprm example

License Of Thi

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
```

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Context

Objective

Resources

Printer control with

Lpq

Removing printer jobs:

Iprm example

License Of Thi

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: 1pg example

Removing printer jobs: lprn lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Context

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rinter control with

lpq

Removing printer jobs

Iprm example

icense Of This locument

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: 1pg example

Removing printer jobs: lprn lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

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Context

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lpq

Removing printer jobs

Iprm example

License Of This Document

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: 1pg example

Removing printer jobs: lprn lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Context

iesources

pe

lpq

Removing printer jobs

Iprm example

License Of This

Context

Objective

Resources

Printer control with lpc

lpc examples

Show printer queue: 1pg lpg example

Removing printer jobs: 1pm lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Context

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D-----

esources

rinter control with .pc

lpq

Removing printer jobs

Iprm example

icense Of This
Occument

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: 1pg 1pg example

Removing printer jobs: 1pm lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Context

Objection

resources

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lpq

Removing printer jobs:

Iprm example

License Of This Document

Context

Objective

Resources

Printer control with lpc lpc examples lpc commands

Manage printers and print queues Weight 1

Andrew Eager

lprm example

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: lpq

lpq example

Removing printer jobs: lprn lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Context

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Lpc

lpq

Removing printer jobs:

Iprm example

License Of This
Document

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: lpq lpq example

Removing printer jobs: 1pm lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Contex

Objection

Printer control with

Show printer queue:

Removing printer jobs:

Iprm example

License Of This Document

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: lpq lpq example

Removing printer jobs: lprm lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Context

Objective

Printer control w

1pq

Removing printer jobs:

Iprm example

License Of This

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: 1pq 1pq example

Removing printer jobs: lprm lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

Andrew Eager

Context

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Printer control w

lpc

Pomoving printer jobs:

lprm example

Iprm example

Document

Context

Objective

Resources

Printer control with 1pc lpc examples lpc commands

Show printer queue: lpq lpq example

Removing printer jobs: lprm lprm example

License Of This Document

1.107.2 Manage printers and print queues Weight 1

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Context

Objection

Printer control with

lpq

Removing printer jobs:

Iprm example

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Context

Objective

Resources

Printer control with

lpq

Removing printer jobs:

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