

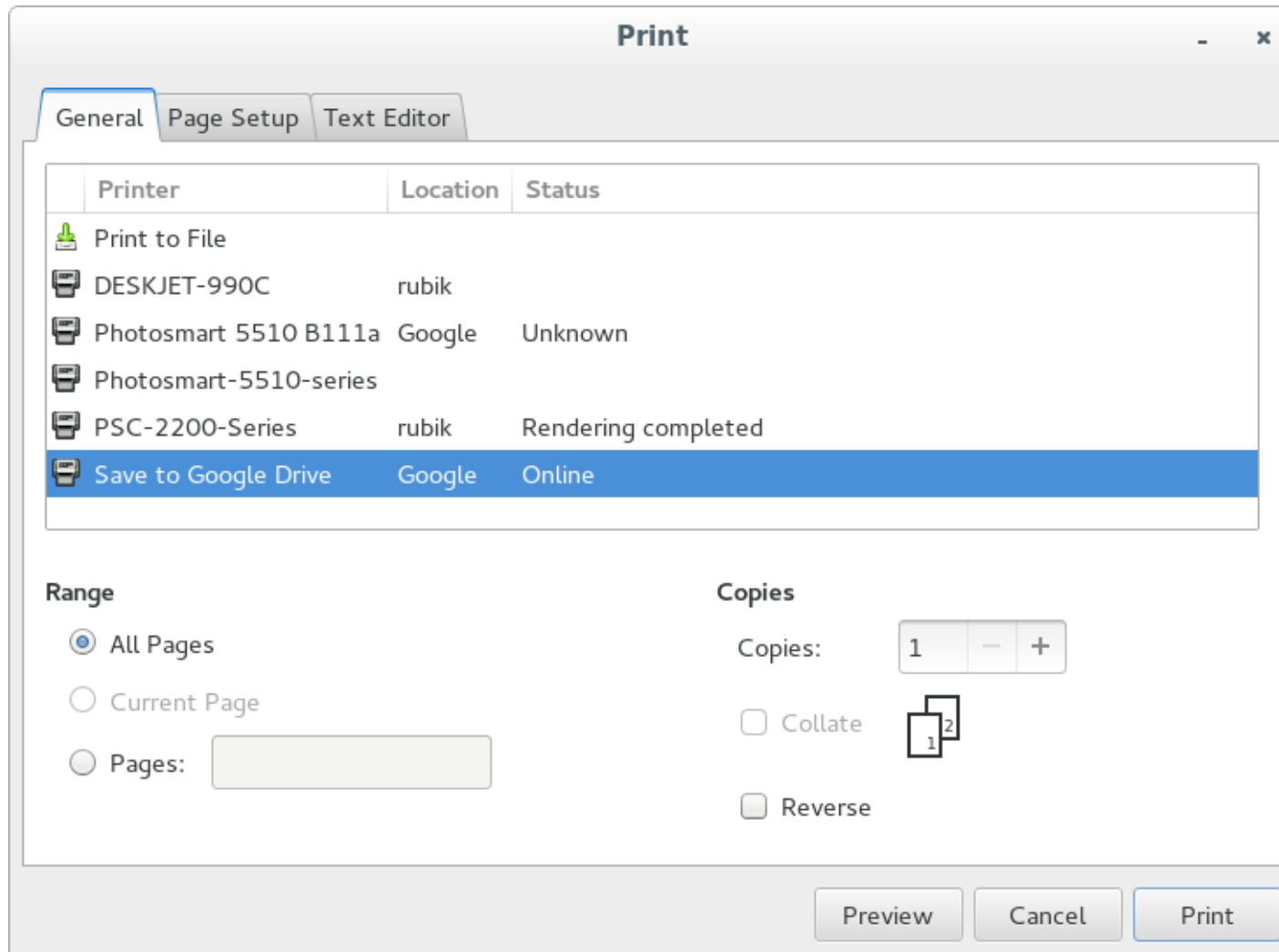
A Few Printing Improvements

using the time left over
after fixing the bugs

Print to Google Cloud Print

- New print backend for GTK+ print dialog
- Uses Google account configured with GNOME (i.e. gnome-online-accounts)
- Allows printing to printers shared through Google Cloud Print
- Also 'Save to Google Drive'
- Initial work only, no capabilities/options support
- In GNOME 3.12

Print to Google Cloud Print



(the two entries with “Google” for location)

BrowsePoll efficiency

(BrowsePoll was reimplemented for cups-filters)

- Now uses IPP subscriptions/notification
- More efficient than original BrowsePoll implementation
- Transparent — no configuration changes
- In cups-filters 1.0.39

CUPS: systemd journal support

- i.e. “ErrorLog journal”
- Command line tab completion for reading logs:

```
$ journalctl CUPS_JOB_ID=  
10 11 12 13 14 15 16 2 3 4 6 7 8  
9
```

- Get all logs associated with particular job:

```
$ journalctl CUPS_JOB_ID=16 | fold  
-- Logs begin at Tue 2013-10-08 14:21:33 BST, end at Fri 2013-10-25 15:31:49 BST  
. --  
Oct 25 15:31:17 rubik cupsd[13682]: HP-Photosmart-5510-series twaugh 16 [25/Oct/  
2013:15:31:17 +0100] 1 1 - localhost (stdin) - -  
Oct 25 15:31:24 rubik cupsd[13682]: [Job 16] Job stopped due to filter errors; p  
lease consult the error_log file for details.  
Oct 25 15:31:24 rubik cupsd[13682]: [Job 16] The following messages were recorde  
d from 15:31:17 to 15:31:24  
Oct 25 15:31:24 rubik cupsd[13682]: [Job 16] Adding start banner page "none".  
Oct 25 15:31:24 rubik cupsd[13682]: [Job 16] Queued on "HP-Photosmart-5510-serie  
s" by "twaugh".  
Oct 25 15:31:24 rubik cupsd[13682]: [Job 16] File of type application/postscript  
  queued by "twaugh".  
[...]
```

CUPS: systemd journal support

- See CUPS log messages in context with other system logs (e.g. syslog-style messages from HPLIP)
- Not upstream yet
 - Functionality available in Fedora now
 - Will be default logging target in Fedora 21
 - Future depends on feedback

system-config-printer

- Ported to Python 3 (Ivana Hutarova Varekova, Jiri Popelka)
 - 1.5.0
- Now uses a LockButton to obtain polkit permission (only ask permission once)
 - 1.4.5, 1.5.0
- No longer the primary application for adding queues (use GNOME Settings)
 - Fedora 21