

Debian Bug report logs - #664538

cups: Printing is very slow (100% CPU usage by gs)

Package: [cups-filters](#); Maintainer for [cups-filters](#) is [Debian CUPS Maintainers <pkg-cups-devel@lists.alioth.debian.org>](#); Source for [cups-filters](#) is [src:cups-filters](#).

Reported by: [Witold Baryluk <baryluk@smp.if.uj.edu.pl>](#)

Date: Sun, 18 Mar 2012 18:27:02 UTC

Severity: important

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Message #5 received at submit@bugs.debian.org ([full text](#), [mbox](#)):

From: Witold Baryluk <baryluk@smp.if.uj.edu.pl>
To: Debian Bug Tracking System <submit@bugs.debian.org>
Subject: cups: Printing is very slow (100% CPU usage by gs)
Date: Sun, 18 Mar 2012 19:24:43 +0100

Package: cups
Version: 1.5.2-8
Severity: important

There is similar problem reported, but do not know how relatead.

On my CUPS server (Pentium 3 700MHz, with 512MB of RAM),
any documents (like pdf, odf, web page in epiphany or firefox),
takes like 5 minutes to print first page. On CUPS server a 'gs'
process is taking 100% CPU and always about 200-213MB of RAM.

```
root@romeo:~# ps aux | grep gs
lp      12364  0.0  0.2  4560 1072 ?        S    19:17   0:00 /bin/bash -c
gs -q -sstout=%stderr -sDEVICE=ps2write -sOutputFile=- -dBATCH -dNOPAUSE
-dPARANOIDSAYER -dNOINTERPOLATE /var/spool/cups/tmp/foomatic-H1Rke7 2>/dev/null
|| PATH=${PATH}/*cups/filter:} pdftops -level2 -origpagesizes
/var/spool/cups/tmp/foomatic-H1Rke7 - 2>/dev/null
lp      12365 98.9 40.6 220260 208516 ?        R    19:17   4:05 gs -q
-sstout=%stderr -sDEVICE=ps2write -sOutputFile=- -dBATCH -dNOPAUSE
-dPARANOIDSAYER -dNOINTERPOLATE /var/spool/cups/tmp/foomatic-H1Rke7
#
```

First page takes 5 minutes, but each next page from same pdf
documents take like 15 seconds.

It is really annoying, to wait 1 hour to print 10 pages!

Bus 002 Device 051: ID 03f0:2b17 Hewlett-Packard LaserJet 1020

```
root@romeo:~# dpkg -l | grep cups
ii  cups                      1.5.0-13          Common
UNIX Printing System(tm) - server
ii  cups-bsd                   1.5.0-13          Common
UNIX Printing System(tm) - BSD commands
ii  cups-client                1.5.0-13          Common
UNIX Printing System(tm) - client programs (SysV)
ii  cups-common                1.5.0-13          Common
UNIX Printing System(tm) - common files
ii  cups-driver-gutenprint     5.2.7-5
transitional dummy package for gutenprint printer driver
ii  cups-ppdc                  1.5.0-13          Common
UNIX Printing System(tm) - PPD manipulation utilities
ii  ghostscript-cups           9.05-dfsg-2
interpreter for the PostScript language and for PDF - CUPS filters
ii  hplip-cups                 3.11.12-2
transitional dummy package for hpcups printer driver
ii  libcups2                  1.5.0-13          Common
UNIX Printing System(tm) - Core library
ii  libcupscgil                1.5.0-13          Common
UNIX Printing System(tm) - CGI library
ii  libcupsdriver1              1.5.0-13          Common
UNIX Printing System(tm) - Driver library
ii  libcupsimage2               1.5.0-13          Common
UNIX Printing System(tm) - Raster image library
ii  libcupsmime1                1.5.0-13          Common
UNIX Printing System(tm) - MIME library
ii  libcupsodc1                1.5.0-13          Common
```

```

UNIX Printing System(tm) - PPD manipulation library
ii  printer-driver-hpcups          3.11.12-2           HP Linux
Printing and Imaging - CUPS Raster driver (hpcups)
root@romeo:~# dpkg -l | grep hpl
ii  hplip                         3.11.12-2           HP Linux
Printing and Imaging System (HPLIP)
ii  hplip-cups                     3.11.12-2
transitional dummy package for hpcups printer driver
ii  hplip-data                     3.11.12-2           HP Linux
Printing and Imaging - data files
ii  hplip-doc                      3.11.12-2           HP Linux
Printing and Imaging - documentation
root@romeo:~# dpkg -l | grep foo
ii  foo2zjs                        20111202dfsg0-1
transitional dummy package for foo2zjs printer driver
ii  foomatic-db                   20120212-1
OpenPrinting printer support - database
ii  foomatic-db-engine            4.0.8-2
OpenPrinting printer support - programs
ii  foomatic-db-gutenprint       5.2.7-5
OpenPrinting printer support - database for Gutenprint printer drivers
ii  foomatic-filters             4.0.12-1
OpenPrinting printer support - filters
ii  printer-driver-foo2zjs        20111202dfsg0-1           printer
driver for ZjStream-based printers

```

A server is on wheezy (testing), i386. There was no problems on squeeze - printing was starting in maybe 10-20 seconds, depending on complexity of document.

Thanks.

```
-- System Information:
Debian Release: wheezy/sid
APT prefers unstable
APT policy: (500, 'unstable'), (1, 'experimental')
Architecture: i386 (i686)
```

```
Kernel: Linux 3.3.0-rc7-t43-devel-smp-00048-g762ad8a-dirty (SMP w/1 CPU core)
Locale: LANG=pl_PL.UTF-8, LC_CTYPE=pl_PL.UTF-8 (charmap=UTF-8) (ignored: LC_ALL set to pl_PL.UTF-8)
Shell: /bin/sh linked to /bin/dash
```

```
Versions of packages cups depends on:
ii  adduser                      3.113+nmul
ii  bc                           1.06.95-2
ii  cups-client                  1.5.2-8
ii  cups-common                  1.5.2-8
ii  cups-filters                 1.0.5-1
ii  cups-ppdc                     1.5.2-8
ii  debconf [debconf-2.0]         1.5.42
ii  dpkg                          1.16.2-wipmultiarch
ii  ghostscript                  9.05~dfsg-3
ii  libavahi-client3             0.6.31-1
ii  libavahi-common3             0.6.31-1
ii  libc6                         2.13-27
ii  libcups2                     1.5.2-8
ii  libcupscgil                 1.5.2-8
ii  libcupsimage2               1.5.2-8
ii  libcupsmime1                1.5.2-8
ii  libcupsppdc1                1.5.2-8
ii  libdbus-1-3                  1.4.18-1
ii  libgcc1                      1:4.7.0~rc2-1
ii  libgnutls26                  2.12.18-1
ii  libgssapi-krb5-2             1.10+dfsg-beta1-2
ii  libkrb5-3                    1.10+dfsg-beta1-2
ii  libldap-2.4-2                2.4.28-1.1
ii  libpam0g                     1.1.3-7
ii  libpaper1                    1.1.24+nmul
ii  libslp1                       1.2.1-9
ii  libstdc++6                   4.7.0~rc2-1
ii  libusb-1.0-0                  2:1.0.9~rc3-3
ii  lsb-base                      3.2+Debian31
ii  poppler-utils                0.16.7-3
ii  procps                        1:3.3.2-3
ii  ssl-cert                      1.0.28
```

```
Versions of packages cups recommends:
ii  avahi-daemon                  0.6.31-1
```

```
ii  colord                      0.1.16-2
ii  foomatic-filters            4.0.13-1
ii  ghostscript-cups             9.05~dfsg-3
ii  printer-driver-gutenprint [cups-driver-gutenprint] 5.2.7-5
```

Versions of packages cups suggests:

```
ii  cups-bsd        1.5.2-8
ii  cups-pdf       <none>
ii  foomatic-db   20120212-1
ii  hplip          3.12.2-1
ii  smbclient      2:3.6.3-1
ii  udev           175-3.1
```

-- debconf information excluded

Message #10 received at 664538@bugs.debian.org ([full text](#), [mbox](#)):

From: Vladimir K <pzs-fs@yandex.ru>
To: "664538@bugs.debian.org" <664538@bugs.debian.org>
Subject: Confirming
Date: Mon, 02 Apr 2012 14:48:04 +0400

Confirming.

Tested with cups-pdf and some HP printers like 3030 and 1536dnf.

gs process goes nuts.

On cups-pdf printer status changes to "PDF file is damaged - attempting to reconstruct xref table"
But after some long waiting output is created. (although affected by bug #523269)

Hardware printers spit page with error messages, followed by lots of empty pages.

Message #15 received at 664538@bugs.debian.org ([full text](#), [mbox](#)):

From: Pavel Yakunin <pyakunin@gmail.com>
To: Debian Bug Tracking System <664538@bugs.debian.org>
Subject: Re: cups: Printing is very slow (100% CPU usage by gs)
Date: Sat, 30 Jun 2012 19:49:15 +0400

Package: cups
Version: 1.5.3-1
Followup-For: Bug #664538

Confirm, have this bug too

-- System Information:
Debian Release: wheezy/sid
APT prefers testing
APT policy: (900, 'testing'), (500, 'stable')
Architecture: i386 (i686)

Kernel: Linux 3.2.0-2-686-pae (SMP w/1 CPU core)
Locale: LANG=en_US.UTF-8, LC_CTYPE=en_US.UTF-8 (charmap=UTF-8)
Shell: /bin/sh linked to /bin/dash

Versions of packages cups depends on:

```
ii  adduser          3.113+nmu3
ii  bc              1.06.95-2
ii  cups-client     1.5.3-1
ii  cups-common     1.5.3-1
ii  cups-filters    1.0.18-2+b1
ii  cups-ppdc       1.5.3-1
ii  debconf [debconf-2.0] 1.5.44
ii  dpkg             1.16.4.3
ii  ghostscript      9.05~dfsg-6
ii  libavahi-client3 0.6.31-1
ii  libavahi-common3 0.6.31-1
ii  libc6            2.13-33
ii  libcups2         1.5.3-1
ii  libcupscgil      1.5.3-1
ii  libcupsimage2    1.5.3-1
ii  libcupsmime1     1.5.3-1
ii  libcupsppdcl    1.5.3-1
ii  libdbus-1-3      1.6.0-1
ii  libgcc1          1:4.7.0-8
ii  libgnutls26      2.12.20-1
```

```
ii  libgssapi-krb5-2      1.10.1+dfsg-1
ii  libkrb5-3            1.10.1+dfsg-1
ii  libldap-2.4-2        2.4.28-1.1
ii  libpam0g             1.1.3-7.1
ii  libpaper1             1.1.24+nmu2
ii  libslp1               1.2.1-9
ii  libstdc++6            4.7.0-8
ii  libusb-1.0-0          2:1.0.11-1
ii  lsb-base              4.1+Debian7
ii  poppler-utils         0.18.4-2
ii  procps                1:3.3.3-2
ii  ssl-cert              1.0.29
```

Versions of packages cups recommends:

```
ii  avahi-daemon          0.6.31-1
ii  colord                 0.1.21-1
ii  foomatic-filters       4.0.15-1
ii  ghostscript-cups        9.05~dfsg-6
ii  printer-driver-gutenprint 5.2.7-5
```

Versions of packages cups suggests:

```
ii  cups-bsd               1.5.3-1
pn  cups-pdf               <none>
ii  foomatic-db            20120523-1
ii  hplip                  3.12.4-2
ii  printer-driver-hpcups   3.12.4-2
ii  smbclient              2:3.6.5-7
ii  udev                   175-3.1
```

-- Configuration Files:

/etc/cups/cupsd.conf changed:

```
LogLevel warn
MaxLogSize 1m
SystemGroup lpadmin
Port 631
Browsing On
BrowseOrder allow,deny
BrowseAllow all
BrowseRemoteProtocols cups
BrowseAddress @LOCAL
BrowseLocalProtocols CUPS dnssd
DefaultAuthType Basic
DefaultEncryption IfRequested
WebInterface Yes
<Location />
  # Allow shared printing...
  Order allow,deny
  Allow from 192.168.1.0/24
  Allow from 10.1.0.0/24
</Location>
<Location /admin>
</Location>
<Location /admin/conf>
  AuthType Default
  Require user @SYSTEM
</Location>
<Policy default>
  JobPrivateAccess default
  JobPrivateValues default
  SubscriptionPrivateAccess default
  SubscriptionPrivateValues default
  <Limit Create-Job Print-Job Print-URI Validate-Job>
    Order deny,allow
  </Limit>
  <Limit Send-Document Send-URI Hold-Job Release-Job Restart-Job Purge-Jobs Set-Job-Attributes Create-Job-Subscription Renew-Subscription (
    Require user @OWNER @SYSTEM
    Order deny,allow
  </Limit>
  <Limit CUPS-Add-Modify-Printer CUPS-Delete-Printer CUPS-Add-Modify-Class CUPS-Delete-Class CUPS-Set-Default CUPS-Get-Devices>
    AuthType Default
    Require user @SYSTEM
    Order deny,allow
  </Limit>
  <Limit Pause-Printer Resume-Printer Enable-Printer Disable-Printer Pause-Printer-After-Current-Job Hold-New-Jobs Release-Held-New-Jobs De
    AuthType Default
    Require user @SYSTEM
    Order deny,allow
  </Limit>
  <Limit Cancel-Job CUPS-Authenticate-Job>
    Require user @OWNER @SYSTEM
    Order deny,allow
  </Limit>
</Policy>
<Limit All>
```

```

<Limit All>
  Order deny,allow
</Limit>
</Policy>
<Policy authenticated>
  JobPrivateAccess default
  JobPrivateValues default
  SubscriptionPrivateAccess default
  SubscriptionPrivateValues default
  <Limit Create-Job Print-Job Print-URI Validate-Job>
    AuthType Default
    Order deny,allow
  </Limit>
  <Limit Send-Document Send-URI Hold-Job Release-Job Restart-Job Purge-Jobs Set-Job-Attributes Create-Job-Subscription Renew-Subscription (
    AuthType Default
    Require user @OWNER @SYSTEM
    Order deny,allow
  </Limit>
  <Limit CUPS-Add-Modify-Printer CUPS-Delete-Printer CUPS-Add-Modify-Class CUPS-Delete-Class CUPS-Set-Default>
    AuthType Default
    Require user @SYSTEM
    Order deny,allow
  </Limit>
  <Limit Pause-Printer Resume-Printer Enable-Printer Disable-Printer Pause-Printer-After-Current-Job Hold-New-Jobs Release-Held-New-Jobs De
    AuthType Default
    Require user @SYSTEM
    Order deny,allow
  </Limit>
  <Limit Cancel-Job CUPS-Authenticate-Job>
    AuthType Default
    Require user @OWNER @SYSTEM
    Order deny,allow
  </Limit>
  <Limit All>
    Order deny,allow
  </Limit>
</Policy>
BrowseWebIF Yes

```

```
-- debconf information:
cupsys/raw-print: true
cupsys/backend: ipp, lpd, socket, usb, snmp, dnssd
```

Message #20 received at 664538@bugs.debian.org ([full text](#), [mbox](#)):

From: Brian Potkin <claremont102@gmail.com>
To: Witold Baryluk <baryluk@smp.if.uj.edu.pl>, 664538@bugs.debian.org
Cc: control@bugs.debian.org
Subject: Re: Bug#664538: cups: Printing is very slow (100% CPU usage by gs)
Date: Sun, 26 Aug 2012 16:07:16 +0100

```
reassign 664538 cups-filters
thanks
```

On Sun 18 Mar 2012 at 19:24:43 +0100, Witold Baryluk wrote:

```
> Package: cups
> Version: 1.5.2-8
> Severity: important
>
> There is similar problem reported, but do not know how relatead.
>
> On my CUPS server (Pentium 3 700MHz, with 512MB of RAM),
> any documents (like pdf, odf, web page in epiphany or firefox),
> takes like 5 minutes to print first page. On CUPS server a 'gs'
> process is taking 100% CPU and always about 200-213MB of RAM.
>
> root@romeo:~# ps aux | grep gs
> lp      12364  0.0  0.2  4560  1072 ?        S    19:17   0:00 /bin/bash -c
> gs -q -sstout=%stderr -sDEVICE=ps2write -sOutputFile=- -dBATCH -dNOPAUSE
> -dPARANOIDSAYER -dNOINTERPOLATE /var/spool/cups/tmp/foomatic-H1Rke7 2>/dev/null
> || PATH=${PATH#/cups/filter:} pdftops -level2 -origpagesizes
> /var/spool/cups/tmp/foomatic-H1Rke7 - 2>/dev/null
> lp      12365 98.9 40.6 220260 208516 ?        R    19:17   4:05 gs -q
> -sstout=%stderr -sDEVICE=ps2write -sOutputFile=- -dBATCH -dNOPAUSE
> -dPARANOIDSAYER -dNOINTERPOLATE /var/spool/cups/tmp/foomatic-H1Rke7
> #
```

>
> First page takes 5 minutes, but each next page from same pdf
> documents take like 15 seconds.

Bring your installation up-to-date and read the README in the cups-filters package. The changes in the use of pdftops filter might be of help.

Regards,

Brian.

Bug reassigned from package 'cups' to 'cups-filters'. Request was from Brian Potkin <claremont102@gmail.com> to control@bugs.debian.org. (Sun, 26 Aug 2012 15:09:15 GMT) [Full text](#) and [rfc822 format](#) available.

No longer marked as found in versions cups/1.5.2-8 and cups/1.5.3-1. Request was from Brian Potkin <claremont102@gmail.com> to control@bugs.debian.org. (Sun, 26 Aug 2012 15:09:15 GMT) [Full text](#) and [rfc822 format](#) available.

Send a report that [this bug log contains spam](#).

Debian bug tracking system administrator <owner@bugs.debian.org>. Last modified: Mon Oct 22 13:18:42 2012; Machine Name: buxtehude.debian.org

[**Debian Bug tracking system**](#)

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