---------How to install CUPS-PDF on OpenSolaris x86----------------
----------------By Esteban Fallas (estebanfallas@linux.com)----------

1. Install all cups packages with Package Manager
   On a Gnome Desktop Environment, go to
   System>Administration>Package Manager
   Search using the keyword "cups", you should get the following:
   SUNWcups
   SUNWcups-libs
   SUNWcups-manager
   SUNWpycups
   Select and install them all.
   1.a Installing from a terminal is also possible, use the
   following command:
   *# pfexec pkg install SUNWcups SUNWcups-libs SUNWcups-manager
   SUNWpycups*

2. LP is the default print system for OpenSolaris, therefore we
   need to make cups our default print system, so type and execute
   following command on a terminal:
   # print-service -s cups
   (or if running as normal user, do *$ pfexec /usr/sbin/print-
   service -s cups*)

3. Download the source code from CUPS-PDF website: http://www.cups-pdf.de/src/cups-pdf_2.5.0.tar.gz, you can use your preferred web
   browser or you can type the following on a terminal:
   # cd /tmp
   # wget http://www.cups-pdf.de/src/cups-pdf_2.5.0.tar.gz
   You should see this:
   /tmp# wget http://www.cups-pdf.de/src/cups-pdf_2.5.0.tar.gz
   --17:05:30-- http://www.cups-pdf.de/src/cups-pdf_2.5.0.tar.gz
   *   => `cups-pdf_2.5.0.tar.gz'*
   Resolving proxy_xxxx. IP ADDRESS of my proxy
   Connecting to web-proxy.xxx..|IP address xxx|:8080... connected.
   Proxy request sent, awaiting response... 200 OK
   Length: 32,352 (32K) [application/x-gzip]

   *100%[===================================>] 32,352
   74.96K/s*

   *17:05:31 (74.67 KB/s) - `cups-pdf_2.5.0.tar.gz' saved
   [32352/32352]*
   *(I removed the proxy information in purpose and put the archive
   in /tmp)*

4. Put the *cups-pdf_2.5.0.tar.gz.md5sum* in the same directory
   where you downloaded the archive (the "tmp" directory) and run

the md5sum verification, if it fails, download again and repeat the test.
To run an integrity test, type:
 # md5sum -c cups-pdf_2.5.0.tar.gz.md5sum
You should get the following:
/tmp# md5sum -c cups-pdf_2.5.0.tar.md5sum
cups-pdf_2.5.0.tar: OK

5. OpenSolaris requires gzcat to decompress and then tar to extract the tarred files.
   Type the following on a terminal:
   # gzcat -d cups-pdf_2.5.0.tar.gz | tar xvf -
   That commnand will create a directory called "cups-pdf-2.5.0" and all the files we need to compile CUPS-PDF will be inside.

6. Change dir to cups-pdf-2.5.0/src
   # cd cups-pdf-2.5.0/src

7. Compile without the level version, run gcc as follows:
   # gcc -s -o cups-pdf cups-pdf.c
   that will create a cups-pdf file in the current directory.

8. Copy cups-pdf to /usr/lib/cups/backend and change permissions
   # cp -p cups-pdf /usr/lib/cups/backend
   # chmod 0700 /usr/lib/cups/backend/cups-pdf

9. Change directory to previous level and copy cups-pdf.conf to /etc/cups
   # cd ..
   # cp -p extra/cups-pdf.conf /etc/cups

10. Finally, copy the CUPS-PDF.ppd to /usr/share/cups/model
    # cp -p extra/CUPS-PDF.ppd /usr/share/cups/model

11. Restart the cups daemon:
    # ps -ef | grep cupsd
    Record the process id and restart with:
    # kill -1 PID (PID = the process id you got for /usr/sbin/cupsd previously)

12. At this point, you should be able to launch your web browser and type on your address bar: localhost:631, that will take you to CUPS administration page, you should be able to go to Administration and click on add new printer, put the name you like and you will see CUPS-PDF (Virtual PDF Printer) as one of your options.

------------this guide is only to give you an idea on how to install Mr. Behr's CUPS-PDF on an OpenSolaris x86 system, there is no warranty whatsoever on this document. Any comments are welcome, write to estebanfallas@linux.com-----------------