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openSUSE Leap 42.1

openSUSE Leap ######## Linux ## ####################

#####2015-10-28, #42.1.20151028

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############## openSUSE Leap############## http://en.opensuse.org/openSUSE:Release_Notes

1

1.1

`SuSEfirewall2` and `yast2` have been removed from the #minimal base system# to save space. If you need it, select `SuSEfirewall2` or `patterns-openSUSE-yast2_basis`.

1.2 UEFI—#########

openSUSE ### UEFI (#########) ## Windows 8###### ####### UEFI

UEFI ################# UEFI ################################### openSUSE ########## ############################## UEFI ## openSUSE ########## Linux ###### UEFI ################ (`pstore`)################################

1.3 UEFI#GPT # MS-DOS

EFI/UEFI ####################GPT#GUID Partition Table########## GUID#128#######32##########

###UEFI ######## MBR#MS-DOS##### Linux ######ELILO # GRUB2################## GUID ######## ######## GUID ##

###############garbage collector##############entries###############entries#########################entries#########################

################ MBR ####### GPT #############

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3.1 # Live CD

Live CD

YaST

```
systemctl enable SuSEfirewall2
systemctl start SuSEfirewall2
```

4

4.1

CUPS ##### 1.7

CUPS >= 1.6 ####### 1.5.4 ######################

IPP ######### 1.1 ### 2.0### IPP ### (## SLE11 ### CUPS 1.3.x)#### IPP 2.0 ######### "Bad Request" (## http://www.cups.org/str.php?L4231)########## IPP ############## client.conf ## ServerName ## '/version=1.1' (ServerName older.server.example.com/version=1.1)#### CUPS_SERVER ######### '-h' ######### # (lpstat -h older.server.example.com/version=1.1 -p)#

CUPS Browsing is dropped in CUPS but the new package cups-filters provides the cups-browsed that provides basic CUPS Browsing and Polling functionality. The native protocol in CUPS for automatic client discovery of printers is now DNS-SD. Start cups-browsed on the local host to receive traditional CUPS Browsing information from traditional remote CUPS servers. To broadcast traditional CUPS Browsing information into the network so that traditional remote CUPS clients can receive it, set "BrowseLocalProtocols CUPS" in `/etc/cups/cups-browsed.conf` and start cups-browsed.

Some printing filters and back-ends are dropped in CUPS but the new package cups-filters provides them. So cups-filters is usually needed (recommended by RPM) but cups-filters is not strictly required.

The cupsd configuration directives are split into two files: cupsd.conf (can also be modified via HTTP PUT e.g. via cupsctl) and cups-files.conf (can only be modified manually by root) to have better default protection against misuse of privileges by normal users who have been specifically allowed by root to do cupsd configuration changes (see http://www.cups.org/str.php?L4223 , CVE-2012-5519, and https://bugzilla.opensuse.org/show_bug.cgi?id=789566).

CUPS banners and the CUPS test page are no longer supported since CUPS >= 1.6. The banners and the test page from cups-filters must be used. The CUPS banner files in `/usr/share/cups/banners/` and the CUPS testpage `/usr/share/cups/data/testprint` (which is also a CUPS banner file type) are no longer provided in the cups RPM because they do no longer work since CUPS >= 1.6 (see http://www.cups.org/str.php?L4120)

because there is no longer a filter that can convert the CUPS banner files. Since CUPS >= 1.6 only the banner files and testpage in the cups-filters package work via the cups-filters PDF workflow and the cups-filters package also provides the matching bannertopdf filter.

For details, see https://bugzilla.opensuse.org/show_bug.cgi?id=735404.

PDF Now Common Printing Data Format

There is a general move away from PostScript to PDF as the standard print job format. This change is advocated by the OpenPrinting workgroup of the Linux Foundation and the CUPS author.

This means that application programs usually no longer produce PostScript output by default when printing but instead PDF.

As a consequence the default processing how application programs printing output is converted into the "language" that the particular printer accepts (the so called "CUPS filter chain") has fundamentally changed from a PostScript-centric workflow to a PDF-centric workflow.

Accordingly the upstream standard for CUPS under Linux (using CUPS plus the cups-filters package) is now PDF-based job processing, letting every non-PDF input be converted to PDF first, page management options being applied by a pdftopdf filter and Ghostscript being called with PDF as input.

With PDF as the standard print job format traditional PostScript printers can no longer print application's printing output directly so that a conversion step in the printing workflow is required that converts PDF into PostScript. But there are also PostScript+PDF printers that can print both PostScript and PDF directly.

For details, see the section "Common printing data formats" in the SUSE wiki article "Concepts printing" at http://en.opensuse.org/Concepts_printing .

5

6

- #### CD ## README ###
- # RPM ################

  ```
  rpm --changelog -qp <FILENAME>.rpm
  ```

  <FILENAME> ########
- ###### DVD ####### `ChangeLog` ##########################
- ### DVD ## `docu` ###########
- https://activedoc.opensuse.org/ #############
- ### http://www.opensuse.org ### openSUSE ########

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