OpenPrinting and the Linux Standards Base (LSB)

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- **The LSB is a set of common application interfaces of released Linux distributions**

- **Based on these interfaces distribution-independent binary packages of applications can be created**

- **Motivation for printing interfaces being added to the LSB**

  - Printing functionality in LSB-based applications

    - Use of modern CUPS-based interfaces: Poll list of available printers, default printer, available printer options, list of jobs, send job with options, ...

    - Use of printing GUI elements (printing dialog, job list, ...) from Qt.

  - Distribution-independent packages of printer drivers, for easy supply of printer drivers by printer manufacturers

    - Standardized renderer/driver interfaces: OpenPrinting Vectoe, CUPS Raster, IJS

    - Standardized locations for PPD files

    - Standardized printing tools: CUPS, Ghostscript, foomatic-rip

Printing requirements in the LSB

- **Available in LSB 3.1 and earlier**
  - ➢ Only the generic "lpr" command
- **Available in LSB 3.2**
  - ➢ CUPS 1.1.x convenience API
  - ➢ Printing interfaces of Qt 4.0
  - ➢ Driver interfaces OpenPrinting Vector, CUPS Raster, IJS
  - ➢ Ghostscript with at least the output devices "cups", "ijs", "opvp", "pxlmono", and "pxlcolor"
  - ➢ foomatic-rip
  - ➢ PPDs are searched in /usr/share/ppd
- **Planned for LSB 4.0**
  - ➢ Full CUPS 1.1.x API (except interfaces which got dropped in 1.2.x or later)
  - ➢ SANE 1.x API (for scanning)
  - ➢ Printing interfaces of GTK 2.10.x

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Any questions?

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