



LSB 3.2



LSB 3.2 was released on January 29, 2008.

- **LSB 3.2 is a superset of LSB 3.1, which is a superset of LSB 3.0.**
- **The LSB deprecation policy now uses 3.0 as a baseline: no backward-incompatible changes for three major versions.**
- **Applications written for version 3.0 or greater will run on all subsequent distributions until at least LSB 6.0.**



In LSB 3.1, the first “optional” module was introduced: Qt 4.

- **We wanted to learn about how Qt 4 was being used in distributions without requiring it.**
- **“Optional”--short form of “don't need it!”**
- **No data on Qt 4 was ever collected.**

In LSB 3.2, “optional” became “trial use”.

- **All distributions must run all tests.**
- **Failures in trial use modules do not disqualify distributions from LSB certification.**
- **Consequently, applications cannot depend on them... yet!**



Two languages have been added to the LSB: Perl and Python.

- **Built with input from each upstream project.**
- **Distribution and application tests are provided.**
- **Supports each language, plus a subset of the standard library.**
- **Only pure language code supported; no standard interface has been specified for C-language modules.**
- **Acts as a basis for future collaboration.**



Printing support is greatly expanded.

- **LSB 3.1 and previous supported the command line interface only.**
- **New specifications and tests contributed by the OpenPrinting workgroup.**
- **Added: CUPS convenience, raster, and PPD APIs.**
- **Added: GhostScript.**
- **Added: foomatic-rip.**
- **Added: PPD reference specification.**

In addition to application printing, the new specs make standard printer drivers possible.



We now have the beginnings of a multimedia specification, currently focused on audio.

- **ALSA API (libasound), as a trial use module.**
- **Lack of tests, concerns about completeness were important concerns.**



Qt 4 is now a Required Specification, and is updated.

- **The specification is now based on Qt 4.2.**
- **New tests.**

Qt 3 has been deprecated, but will stay around, per our deprecation policy.



The cross-desktop specifications implemented by freedesktop.org are now part of the LSB.

- **Desktop Base Directory**
- **Desktop Entries**
- **Desktop Menu Specification**
- **Icon Theme Specification**

The Portland Project (xdg-utils)

- **Utilities for registering menu items, MIME types, send E-mail, open files with default handlers, and control the screensaver.**
- **Trial use module, but the LSB SDK contains a default copy of these utilities that works with KDE and GNOME.**

Together, these new specifications allow ISVs to integrate with the desktop to a much greater degree.



- **We now use the X.org test suite (xts5) instead of an older test suite (vsw4).**
- **Many new core tests contributed by Pavan Naregundi of IBM.**
- **New second-generation tests contributed by ISPRAS for the desktop specifications.**



- **New certification system.**
 - Much easier, and fewer problems.
 - Integrates with DTK Manager.
 - New problem reporting and waiver system.



- **TrueType font support through Xft and FreeType.**
- **X extensions: Render and Xft.**
- **Many new interfaces requested by ISVs.**