



# The LSB ISV Roundtable

## Current state of LSB

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4<sup>th</sup> of March 2008  
Santa Clara, CA



- **Welcome and Introductions**
- **Current state of LSB efforts and existing LSB release**
  - Markus, Jeff (45 min.)
- **Demonstration of LSB Navigator and ATK**
  - Ted, Jeff (60 min.)
- **Plans for next LSB release (LSB 4.0)**
  - Ted, Jeff (60 min.)
- **Open discussion about ISV requirements for LSB**
  - led by Ted and Jeff (rest of day)
- **Next steps**
  - All (15 min.)



- **WLAN: ESSID <hhonors> - choose Option 2**
- **Morning break at 10:45**
- **Lunch break at 12:30**
- **Afternoon break at 3:00**

**Download of all materials at**

**[http://www.linux-foundation.org/en/LSB\\_ISV\\_Roundtable\\_March\\_2008](http://www.linux-foundation.org/en/LSB_ISV_Roundtable_March_2008)**



# The LSB Standard

- **Enables interoperability between Linux distributions and applications**
- **Started in 1998**
- **Supported by every major Linux distribution**
- **Superset of other important standards like POSIX, X Windows, gtk, qt**
- **Released first by the Linux Foundation and then later as ISO 23360:2006**



- **State**
  - LSB 3.2 released Q1/2008
- **Scope**
  - Basic system libraries, basic tools, shell, C and C++ language, basic GUI libraries, Desktop toolkit support
- **Tools**
  - Integrated testsuites for applications and distributions
- **Test Suite**
  - Test framework released, test cases added continuously  
Coverage at ~45% currently, 100% in 2009
- **Adoption**
  - All major Linux distributions are certified or in the process, enterprise vendors are certifying every release for the LSB.
  - ISV adoption is still limited



# The LSB – What it Specifies

## The LSB Specifies:

Common Packaging and Install Guidelines

Common Shared Libraries and their Selection

Configuration Files

File Placement (FHS)

System Commands

Binary interfaces between runtime and application



- **Open Standard process**
  - Stable and frequently used best practices are candidates
  - Can be recommended or requested by everybody
  - Free to participate for every interested party
- **Workgroup**
  - Discusses and finalize LSB standard modules
- **Trial use status of modules**
  - Modules can be designated as “trial use module”, then upgraded to full standard module
- **ISO submission**
  - Major versions of LSB specification are submitted to ISO



# Interaction between ISVs and LSB

- **Through workgroup**
  - Discussion on LSB workgroup mailing list
- **Through ISV support manager**
  - ISV support manager will engage with ISV
  - Guide through testing and certification
  - Hiring is in process
- **Through problem reporting system**
  - Trouble ticket system
- **Through Linux Foundation technical staff**
  - Contact any of the Linux Foundation technical staff individually



# Outlook: expanding LSB to hardware Starting with Printing

- **Provide cross-distribution printer support and access to full functionality of latest printers and Multi-Function Peripherals (“plug and print”)**
- **Reduce development, testing, and support burden for printer manufacturers, distributions and ISVs**
- **A machine and human readable repository where drivers are hosted and made available for automated updates and installation**
  - Based around [LinuxPrinting.org](http://LinuxPrinting.org), the standard source for Linux printer drivers
- **Goal: a distribution-independent printer testing and certification program**
  - A certified printer will work on every LSB-certified Linux