ISO/IEC The Linux Standard Base 5 Specification Series (LSB 5)

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Note: The LSB 5.0 Core specification set is an evolution of the ISO/IEC International Standard 23360, which corresponded to LSB 3.1. This edition is not to be considered an ISO standard.

Table 1: Data sheet for The Linux Standard Base 5 Specification Series

Title	The Linux Standard Base 5 Specification Series
Acronym	LSB
Version	2015
Document Number	LSB Common 5.0 Edition
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Reference	http://refspecs.linuxbase.org/LSB_5.0.0/LSB-Common/LSB-Common/book1.html

Note: The following is an excerpt from the official Linux Foundation LSB documentation. It is provided here as a connivence and is not authoritative. Refer to the original document as the authoritative reference.

General

The Linux Standard Base (LSB) defines a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.

The LSB specification set is divided into modules, each of which provides fundamental system interfaces, libraries, and runtime environment upon which all conforming applications and libraries using that module depend.

The modules of the Linux Standard Base are:

- ***LSB Core** - core components*
- ***LSB Desktop** - desktop related components*
- ***LSB Languages** - runtime languages*
- ***LSB Imaging** - printing and scanning*
- ***LSB Trial Use** - components that are not yet mandatory*

Interfaces described in the LSB Core module specification are supplemented by other LSB module specifications. All other modules depend on the presence of LSB Core.

These specifications are composed of two basic parts: a common part describing those parts of the interface that remain constant across all implementations of the LSB, and an architecture-specific part describing the parts of the interface that vary by processor architecture. Together, the common part and the relevant architecture-specific part for a single hardware architecture provide a complete interface specification for compiled application programs on systems that share a common hardware architecture. Whenever a section of the common part is supplemented by architecture-specific information, the

common part includes a reference to the architecture-specific part. Architecture-specific parts of of an LSB module specification may also contain additional information that is not referenced in the common part.

The LSB contains both a set of Application Programming Interface (API) and Application Binary Interfaces (ABIs). APIs may appear in the source code of portable applications, while the compiled binary of that application may use the larger set of ABIs. A conforming implementation provides all of the ABIs listed here. The compilation system may replace (e.g. by macro definition) certain APIs with calls to one or more of the underlying binary interfaces, and may insert calls to binary interfaces as needed.

The LSB is primarily a binary interface definition. Not all of the source level APIs available to applications may be contained in this specification.

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