

Linux Standard Base Trial Use Specification 4.1

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LSB Trial Use Specification

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Foreword

This is version 4.1 of the Trial Use Specification. This specification augments the series of volumes released under the collective title *Linux Standard Base*:

- Core
- C++
- Desktop
- Languages
- Printing

Note that the Core, C++ and Desktop volumes consist of a generic volume augmented by an architecture-specific volume.

This document describes components which have Trial Use Specification status, and as such there is no formal compliance process for this specification. Implementations may claim to provide these components in a manner that agrees with this specification, but such a claim is not part of a conformance statement for the LSB version in which this module appears.

Applications may not assume that the components of this specification are present or operate as described in this specification on any given implementation.

Status of this Document

This document is a complement to the released specification. Other documents may supersede or augment this document. A list of current Linux Standard Base (LSB) specifications is available at <http://refspecs.linuxfoundation.org> (<http://refspecs.linuxfoundation.org/>).

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Introduction

The Trial Use Specification describes components which may or may not be present on an otherwise conforming system. The purpose is to indicate that these components are on a Standards Track, that is, they are intended to become part of the LSB Specification in a future edition.

This document should be used in conjunction with the documents it references. Information referenced in this way is as much a part of this document as is the information explicitly included here.

I Introductory Elements

1 Scope

The Trial Use Specification defines components which are not required parts of the LSB Specification.

As of version 4.1 there are no specified elements in Linux Standard Base Trial Use Specification.

2 Normative References

The specifications listed below are referenced in whole or in part by the Trial Use Specification. Such references may be normative or informative; a reference to specification shall only be considered normative if it is explicitly cited as such. The Trial Use Specification may make normative references to a portion of these specifications (that is, to define a specific function or group of functions); in such cases, only the explicitly referenced portion of the specification is to be considered normative.

3 Requirements

None as of this version.

4 Terms and Definitions

For the purposes of this document, the terms given in *ISO/IEC Directives, Part 2, Annex H* and the following apply.

archLSB

Some LSB specification documents have both a generic, architecture-neutral part and an architecture-specific part. The latter describes elements whose definitions may be unique to a particular processor architecture. The term archLSB may be used in the generic part to refer to the corresponding section of the architecture-specific part.

Binary Standard, ABI

The total set of interfaces that are available to be used in the compiled binary code of a conforming application, including the run-time details such as calling conventions, binary format, C++ name mangling, etc.

Implementation-defined

Describes a value or behavior that is not defined by this document but is selected by an implementor. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence of the value or behavior. An application that relies on such a value or behavior cannot be assured to be portable across conforming implementations. The implementor shall document such a value or behavior so that it can be used correctly by an application.

Shell Script

A file that is read by an interpreter (e.g., awk). The first line of the shell script includes a reference to its interpreter binary.

Source Standard, API

The total set of interfaces that are available to be used in the source code of a conforming application. Due to translations, the Binary Standard and the Source Standard may contain some different interfaces.

Undefined

Describes the nature of a value or behavior not defined by this document which results from use of an invalid program construct or invalid data input. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence or validity of the value or behavior. An application that relies on any particular value or behavior cannot be assured to be portable across conforming implementations.

Unspecified

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In addition, for the portions of this specification which build on IEEE Std 1003.1-2001, the definitions given in *IEEE Std 1003.1-2001, Base Definitions, Chapter 3* apply.

5 Documentation Conventions

Throughout this document, the following typographic conventions are used:

`function()`

the name of a function

command

the name of a command or utility

CONSTANT

a constant value

parameter

a parameter

variable

a variable

Throughout this specification, several tables of interfaces are presented. Each entry in these tables has the following format:

name

the name of the interface

(symver)

An optional symbol version identifier, if required.

[*refno*]

A reference number indexing the table of referenced specifications that follows this table.

For example,

| |
|---|
| <code>forkpty(GLIBC_2.0) [SUSv3]</code> |
|---|

refers to the interface named `forkpty()` with symbol version `GLIBC_2.0` that is defined in the `SUSv3` reference.

Note: For symbols with versions which differ between architectures, the symbol versions are defined in the architecture specific parts of ISO/IEC 23360 only.

II Trial Use Module

6 Trial Use Module

6.1 Introduction

The Trial Use Module describes components in Trial Use status. Trial Use Specifications are non-mandatory components of the Linux Standard Base.

As of version 4.1 there are no specified elements in this module.

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