The Open Group
LSB-OS Release 1.0
Release Notes

This document provides Release notes for the Verification suite for additional Operating System Interfaces of the Linux Standard Base.

1. Release Overview

LSB-OS 1.0 is the general availability release of this test suite.

LSB-OS is built using the VSXgen (the generic VSX test framework), and contains additional tests for operating system interfaces within the Linux Standard Base.

This test suite is part of the LSB Distribution test suites. The test assertions being tested are included in the MAN/tset directory within the distribution.

The setup for this first release is automated and uses the same as that provided with the other LSB Distribution testsets. The release should be used with the TET and VSXgen framework obtained from the LSB test project (see below).

These tests have been targeted at Linux systems running the 2.4 kernel and glibc 2.2 and later. The procedure to run the tests is documented in the README file that is located with the release bundles.

1.0.1 Test Coverage

The LSB.OS test set includes test coverage for the following interfaces:

— X/Open UNIX 98 Extensions to fork, exec, kill

— Directory routines/files: dev_null,dev_tty,seekdir,telldir

— Process environment interfaces: chroot, cuserid, nice, putenv, ulimit

— SVID IPC : msgctl, msgget, msgrcv, msgsnd,semctl, semget, semop, shmat, shmctl, shmdt, shmget, ftok

— Stream related interfaces: fgetpos, fsetpos

— Time related interfaces: clock difftime strptime

— Multibyte: mblen mbstowcs mbtowc memmove wcstombs wctomb

— POSIX.2 c-language binding: fnmatch glob wordexp getopt system popen pclose

— Dynamic linking tests: dlopen, dlclose, dlerror

— Asynchronous I/O: aio_cancel, aio_error, aio_fsync, aio_read, aio_return aio_suspend, aio_write, lio_listio

— Memory mapped files: mmap, msync, munmap, mprotect

— Vectored i/o : readv, writev

— UNIX98 pseudottys: ptsname, granpt

— File tree walking: nftw, ftw

— Logging functions: syslog,closelog,openlog

— Context functions: makecontext, setcontext

1.1 Changes since the last release

Numerous changes and updates are made during the extensive beta period. The cvs tree should be consulted for full information.

2. Release Contents

The release consists of the following files.

lts_lsb-os-1.0.2.2.tgz	The source code to the suite in gzip'd tar format
lsb-fhs-relnote.pdf	These release notes
vsxgde-1.0.pdf	User and Installation Guide.

3. Obtaining the Release

LSB-OS runs under TET3 and VSXgen. The latest versions of this software can be obtained from :

`ftp://ftp.freestandards.org/pub/lsb/test_suites/released/`

TET3 must be configured to build as the Lite version . Do not use the Distributed version.

For more information on TET , see `http://tetworks.opengroup.org` .

4. Documentation

LSB-OS includes a Release Note and a README file. A User's Guide which provides comprehensive information on the installation, configuration and use of LSB-OS is included.

5. Support

Support related questions and problem reports should be directed to by email to lsb-test@opengroup.org.

6. Size

The size of LSB-OS when the suite is built is approximately 20MB. The size of the compressed distribution is roughly 1 MB. When running the complete test suite, journal files will be produced that are typically less than 1MB in length, so its recommended that at least 20MB of disk space be allowed for a test campaign.

7. Time

The test suite takes approximately 2 hours to run depending on the speed of the platform under test

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