NAME

perl573delta - what's new for perl v5.7.3

DESCRIPTION

This document describes differences between the 5.7.2 release and the 5.7.3 release.

(To view the differences between the 5.6.0 release and the 5.7.0 release, see *perl570delta*. To view the differences between the 5.7.0 release and the 5.7.1 release, see *perl571delta*. To view the differences between the 5.7.1 release and the 5.7.2 release, see *perl572delta*.)

Changes

This is just a selected list of some of the more notable changes. The numbers refer to the Perl repository change numbers; see *Changes58* (or *Changes* in Perl 5.8.1). In addition to these changes, lots of work took place in integrating threads, PerlIO, and Unicode; general code cleanup; and last but not least porting to non-Unix lands such as Win32, VMS, Cygwin, DJGPP, VOS, MacOS Classic, and EBCDIC.

11362 add LC_MESSAGES to POSIX :locale_h export tag

11371 add DEL to [:cntrl:]

11375 make h2ph understand constants like 1234L and 5678LL

11405 Win32: fix bugs in handling of the virtualized environment

11410 fix a bug in the security taint checking of open()

11423 make perl fork() safe even on platforms that don't have pthread_atfork()

11459 make switching optimization and debugging levels during Perl builds easier via the OPTIMIZE environment variable

11475 make split()'s unused captures to be undef, not ''

11485 Search::Dict: allow transforming lines before comparing

11490 allow installing extra modules or bundles when building Perl

11516 add -Wall in cflags when compiling with gcc to weed out dubious C practices

11541 pluggable optimizer

11549 WinCE: integrate the port

11589 Win32: 4-arg select was broken

11594 introduce the perlivp utility for verifying the Perl installation (IVP = Installation Verification Procedure)

11623 rename lib/unicode to lib/unicore to avoid case-insensitivity problems with lib/Unicode

111631 remove Time::Piece

11643 document that use utf8 is not the right way most of the time

11656 allow building perl with -DUSE_UTF8_SCRIPTS which makes UTF-8 the default script encoding (not the default since that would break all scripts having legacy eight-bit data in them)

11725 division preserving 64-bit integers

11743 document the coderef-in-@INC feature

11794 modulo (%) preserving 64-bit integers

11825 update to Unicode 3.1.1

11865 add the \[$@%&*] prototype support

11874 oct() and hex() in glorious 64 bit

11877 Class::Struct: allow recursive classes

11993 fix unpack U to be the reverse of pack U

12056 VMS: waitpid enhancements

12180 unpack("Z*Z*", pack("Z*Z*", ..)) was broken

12243 Devel::Peek: display UTF-8 SVs also as \x{...}

12288 Data::Dumper: option to sort hashes

12542 add perlpodspec

12652 threadsafe DynaLoader, re, Opcode, File::Glob, and B

12756 support BeOS better

12874 read-only hashes (user-level interface is Hash::Util)

13162 add Devel::PPPort

13179 add the sort pragma

13326 VMS: fix perl -P

13358 add perlpacktut

13452 SUPER-UX: add hints file

13575 Win32: non-blocking waitpid(-1,WNOHANG)

13684 introduce the -t option for gentler taint checking

14694 add the if pragma

14832 implement IV/UV/NV/long double un/packing with j/J/F/D

14854 document the new taint behaviour of exec LIST and system LIST

Reporting Bugs

If you find what you think is a bug, you might check the articles recently posted to the comp.lang.perl.misc newsgroup and the perl bug database at http://bugs.perl.org. There may also be information at http://www.perl.com/, the Perl Home Page.

If you believe you have an unreported bug, please run the **perlbug** program included with your release. Be sure to trim your bug down to a tiny but sufficient test case. Your bug report, along with the output of `perl -V`, will be sent off to perlbug@perl.org to be analysed by the Perl porting team.

SEE ALSO

The *Changes* file for exhaustive details on what changed.

The *INSTALL* file for how to build Perl.

The *README* file for general stuff.

The *Artistic* and *Copying* files for copyright information.

HISTORY

Written by Jarkko Hietaniemi *<jhi@iki.fi>*, with many contributions from The Perl Porters and Perl Users submitting feedback and patches.

Send omissions or corrections to *<perlbug@perl.org>*.