

## NAME

perldelta - what is new for perl v5.12.3

## DESCRIPTION

This document describes differences between the 5.12.2 release and the 5.12.3 release.

If you are upgrading from an earlier release such as 5.12.1, first read *perl5122delta*, which describes differences between 5.12.1 and 5.12.2. The major changes made in 5.12.0 are described in *perl5120delta*.

## Incompatible Changes

There are no changes intentionally incompatible with 5.12.2. If any exist, they are bugs and reports are welcome.

## Core Enhancements

### keys, values work on arrays

You can now use the `keys`, `values`, `each` builtin functions on arrays (previously you could only use them on hashes). See *perlfunc* for details. This is actually a change introduced in perl 5.12.0, but it was missed from that release's *perldelta*.

## Bug Fixes

"no VERSION" will now correctly deparse with `B::Deparse`, as will certain constant expressions.

`Module::Build` should be more reliably pass its tests under `cygwin`.

`Ivalue` sub return values are now COW.

## Platform Specific Notes

### Solaris

A separate DTrace is now build for `miniperl`, which means that perl can be compiled with `-Dusedtrace` on Solaris again.

### VMS

A number of regressions on VMS have been fixed. In addition to minor cleanup of questionable expressions in `vms.c`, file permissions should no longer be garbled by the PerlIO layer, and spurious record boundaries should no longer be introduced by the PerlIO layer during output.

For more details and discussion on the latter, see:

<http://www.nntp.perl.org/group/perl.vmsperl/2010/11/msg15419.html>

### VOS

A few very small changes were made to the build process on VOS to better support the platform. Longer-than-32-character filenames are now supported on OpenVOS, and build properly without IPv6 support.

## Acknowledgements

Perl 5.12.3 represents approximately four months of development since Perl 5.12.2 and contains approximately 2500 lines of changes across 54 files from 16 authors.

Perl continues to flourish into its third decade thanks to a vibrant community of users and developers. The following people are known to have contributed the improvements that became Perl 5.12.3:

Craig A. Berry, David Golden, David Leadbeater, Father Chrysostomos, Florian Ragwitz, Jesse Vincent, Karl Williamson, Nick Johnston, Nicolas Kaiser, Paul Green, Rafael Garcia-Suarez, Rainer Tammer, Ricardo Signes, Steffen Mueller, Zsolt Ambrus, Årvar Arnfjörð Bjarmason

## 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://rt.perl.org/perlbug/> . There may also be information at <http://www.perl.org/> , 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.

If the bug you are reporting has security implications, which make it inappropriate to send to a publicly archived mailing list, then please send it to `perl5-security-report@perl.org`. This points to a closed subscription unarchived mailing list, which includes all the core committers, who be able to help assess the impact of issues, figure out a resolution, and help co-ordinate the release of patches to mitigate or fix the problem across all platforms on which Perl is supported. Please only use this address for security issues in the Perl core, not for modules independently distributed on CPAN.

## SEE ALSO

The *Changes* file for an explanation of how to view 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.