

## NAME

perl5130delta - what is new for perl v5.13.0

## DESCRIPTION

This document describes differences between the 5.12.0 release and the 5.13.0 release.

If you are upgrading from an earlier release such as 5.10.0, first read *perl5120delta*, which describes differences between 5.10.0 and 5.12.0.

## Core Enhancements

### "safe signals" optimization

Signal dispatch has been moved from the runloop into control ops. This should give a few percent speed increase, and eliminates almost all of the speed penalty caused by the introduction of "safe signals" in 5.8.0. Signals should still be dispatched within the same statement as they were previously - if this is not the case, or it is possible to create uninterruptible loops, this is a bug, and reports are encouraged of how to recreate such issues.

### Assignment to \$0 sets the legacy process name with prctl() on Linux

On Linux the legacy process name will be set with *prctl(2)*, in addition to altering the POSIX name via *argv[0]* as perl has done since version 4.000. Now system utilities that read the legacy process name such as *ps*, *top* and *killall* will recognize the name you set when assigning to *\$0*. The string you supply will be cut off at 16 bytes, this is a limitation imposed by Linux.

### Optimization of shift; and pop; calls without arguments

Additional two OPs are not added anymore into op tree for *shift* and *pop* calls without argument (when it works on *@\_*). Makes *shift; 5%* faster over *shift @\_;* on not threaded perl and 25% faster on threaded.

## Modules and Pragmata

### Updated Modules

CGI

Updated to version 3.49.

Data::Dumper

Updated to version 2.126.

MIME::Base64

Updated to 3.09.

threads

Updated to version 1.77

threads-shared

Updated to version 1.33

## Installation and Configuration Improvements

### Platform Specific Changes

AIX

Allow building on AIX 4.2.

## Acknowledgements

Perl 5.13.0 represents eight days of development since Perl 5.12.0 and contains 3,766 lines of changes across 151 files from 29 authors and committers.

Thank you to the following for contributing to this release:

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## 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.