

NAME

perl5122delta - what is new for perl v5.12.2

DESCRIPTION

This document describes differences between the 5.12.1 release and the 5.12.2 release.

If you are upgrading from an earlier major version, such as 5.10.1, first read *perl5120delta*, which describes differences between 5.10.1 and 5.12.0, as well as *perl5121delta*, which describes earlier changes in the 5.12 stable release series.

Incompatible Changes

There are no changes intentionally incompatible with 5.12.1. If any exist, they are bugs and reports are welcome.

Core Enhancements

Other than the bug fixes listed below, there should be no user-visible changes to the core language in this release.

Modules and Pragmata

New Modules and Pragmata

This release does not introduce any new modules or pragmata.

Pragmata Changes

In the previous release, `no VERSION;` statements triggered a bug which could cause *feature* bundles to be loaded and *strict* mode to be enabled unintentionally.

Updated Modules

Carp

Upgraded from version 1.16 to 1.17.

Carp now detects incomplete *caller()* overrides and avoids using bogus `@DB::args`. To provide backtraces, *Carp* relies on particular behaviour of the caller built-in. *Carp* now detects if other code has overridden this with an incomplete implementation, and modifies its backtrace accordingly. Previously incomplete overrides would cause incorrect values in backtraces (best case), or obscure fatal errors (worst case)

This fixes certain cases of Bizarre copy of ARRAY caused by modules overriding `caller()` incorrectly.

CPANPLUS

A patch to *cpantp-run-perl* has been backported from CPANPLUS 0.9004. This resolves *RT #55964* and *RT #57106*, both of which related to failures to install distributions that use `Module::Install::DSL`.

File::Glob

A regression which caused a failure to find `CORE::GLOBAL::glob` after loading `File::Glob` to crash has been fixed. Now, it correctly falls back to external globbing via `pp_glob`.

File::Copy

`File::Copy::copy(FILE, DIR)` is now documented.

File::Spec

Upgraded from version 3.31 to 3.31_01.

Several portability fixes were made in `File::Spec::VMS`: a colon is now recognized as a delimiter in native filespecs; caret-escaped delimiters are recognized for better handling of

extended file specs; `catpath()` returns an empty directory rather than the current directory if the input directory name is empty; `abs2rel()` properly handles Unix-style input.

Utility Changes

- *perlbug* now always gives the reporter a chance to change the email address it guesses for them.
- *perlbug* should no longer warn about uninitialized values when using the `-d` and `-v` options.

Changes to Existing Documentation

- The existing policy on backward-compatibility and deprecation has been added to *perlpolicy*, along with definitions of terms like *deprecation*.
- "*srand*" in *perlfunc*'s usage has been clarified.
- The entry for "*die*" in *perlfunc* was reorganized to emphasize its role in the exception mechanism.
- Perl's *INSTALL* file has been clarified to explicitly state that Perl requires a C89 compliant ANSI C Compiler.
- *IO::Socket*'s `getsockopt()` and `setsockopt()` have been documented.
- *alarm()*'s inability to interrupt blocking IO on Windows has been documented.
- *Math::TrulyRandom* hasn't been updated since 1996 and has been removed as a recommended solution for random number generation.
- *perlrun* has been updated to clarify the behaviour of octal flags to *perl*.
- To ease user confusion, `$#` and `$*`, two special variables that were removed in earlier versions of Perl have been documented.
- The version of *perlfaq* shipped with the Perl core has been updated from the official FAQ version, which is now maintained in the `briandfoy/perlfaq` branch of the Perl repository at [git://perl5.git.perl.org/perl.git](http://git.perl.org/perl.git).

Installation and Configuration Improvements

Configuration improvements

- The `d_u32align` configuration probe on ARM has been fixed.

Compilation improvements

- An "incompatible operand types" error in ternary expressions when building with `clang` has been fixed.
- Perl now skips `setuid File::Copy` tests on partitions it detects to be mounted as `nosuid`.

Selected Bug Fixes

- A possible segfault in the `T_PRTOBJ` default typemap has been fixed.
- A possible memory leak when using *caller()* to set `@DB::args` has been fixed.
- Several memory leaks when loading XS modules were fixed.
- `unpack()` now handles scalar context correctly for `%32H` and `%32u`, fixing a potential crash. `split()` would crash because the third item on the stack wasn't the regular expression it expected. `unpack("%32H", ...)` would return both the unpacked result and the checksum on the stack, as would `unpack("%32u", ...)`. [*perl #73814*]
- Perl now avoids using memory after calling `free()` in *pp_require* when there are `CODEREFS` in `@INC`.

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.