NAME

perlexperiment - A listing of experimental features in Perl

DESCRIPTION

This document lists the current and past experimental features in the perl core. Although all of these are documented with their appropriate topics, this succinct listing gives you an overview and basic facts about their status.

So far we've merely tried to find and list the experimental features and infer their inception, versions, etc. There's a lot of speculation here.

Current experiments

-Dusemultiplicity -Duseithreads

> Introduced in Perl 5.6.0

Long Doubles Still Don't Work In Solaris

> Introduced in Perl 5.7.0

`our` can now have an experimental optional attribute `unique`

> Introduced in Perl 5.8.0

> Deprecated in Perl 5.10.0

Linux abstract Unix domain sockets

> Introduced in Perl 5.9.2

> See also *Socket*

Pod::HTML2Pod

Pod::PXML

The <:pop> IO pseudolayer

> See also *perlrun*

The <:win32> IO pseudolayer

> See also *perlrun*

MLDBM

> See also *perldsc*

internal functions with M flag

> See also *perlguts*

lex_start API

> Introduced in Perl 5.13.7

internal API for `%^H`

> Introduced in Perl 5.13.7

> See also `cophh_` in *perlapi*.

alloccopstash

> Introduced in Perl 5.18.0

av_create_and_push

av_create_and_unshift_one

av_create_and_unshift_one

cop_store_label

>   Introduced in Perl 5.16.0

PL_keyword_plugin

gv_fetchmethod_*_flags

>   Introduced in Perl 5.16.0

hv_iternext_flags

lex_bufutf8

lex_discard_to

lex_grow_linestr

lex_next_chunk

lex_peek_unichar

lex_read_space

lex_read_to

lex_read_unichar

lex_stuff_pv

lex_stuff_pvn

lex_stuff_pvs

lex_stuff_sv

lex_unstuff

op_scope

op_lvalue

parse_fullstmt

parse_stmtseq

PL_parser->bufend

PL_parser->bufptr

PL_parser->linestart

PL_parser->linestr

Perl_signbit

pad_findmy

sv_utf8_decode

sv_utf8_downgrade

bytes_from_utf8

bytes_to_utf8

utf8_to_bytes

Lvalue subroutines

>   Introduced in Perl 5.6.0

>   See also *perlsub*

There is an `installhtml` target in the Makefile.

Unicode in Perl on EBCDIC

`(?{code})`

>   See also *perlre*

```
(??{ code })
```

        See also *perlre*

Smart match (~~)

        Introduced in Perl 5.10.0

        Modified in Perl 5.10.1, 5.12.0

Lexical $_

        Introduced in Perl 5.10.0

Backtracking control verbs

```
(*ACCEPT)
```

        Introduced in: Perl 5.10

        See also: *"Special Backtracking Control Verbs" in perlre*

Code expressions, conditional expressions, and independent expressions in regexes
gv_try_downgrade

        See also *perlintern*

Experimental Support for Sun Studio Compilers for Linux OS

        See also *perllinux*

Pluggable keywords

        See *"PL_keyword_plugin" in perlapi* for the mechanism.

        Introduced in: Perl 5.11.2

Array and hash container functions accept references

        Introduced in Perl 5.14.0

Lexical subroutines

        Introduced in: Perl 5.18

        See also: *"Lexical Subroutines" in perlsub*

Regular Expression Set Operations

        Introduced in: Perl 5.18

        See also: *"Extended Bracketed Character Classes" in perlrecharclass*

Accepted features

These features were so wildly successful and played so well with others that we decided to remove their experimental status and admit them as full, stable features in the world of Perl, lavishing all the benefits and luxuries thereof. They are also awarded +5 Stability and +3 Charisma.

The \N regex character class

        The \N character class, not to be confused with the named character sequence \N{NAME}, denotes any non-newline character in a regular expression.

        Introduced in: Perl 5.12

fork() emulation

        Introduced in Perl 5.6.1

        See also *perlfork*

DB module

        Introduced in Perl 5.6.0

See also *perldebug*, *perldebtut*

Weak references

Introduced in Perl 5.6.0

Internal file glob

Introduced in Perl 5.6.0

die accepts a reference

Introduced in Perl 5.005

64-bit support

Introduced in Perl 5.005

Removed features

These features are no longer considered experimental and their functionality has disappeared. It's your own fault if you wrote production programs using these features after we explicitly told you not to (see *perlpolicy*).

`legacy`

The experimental `legacy` pragma was swallowed by the `feature` pragma.

Introduced in: 5.11.2

Removed in: 5.11.3

Assertions

The `-A` command line switch

Introduced in Perl 5.9.0

Removed in Perl 5.9.5

Test::Harness::Straps

Moved from Perl 5.10.1 to CPAN

GetOpt::Long Options can now take multiple values at once (experimental)

`Getopt::Long` upgraded to version 2.35

Removed in Perl 5.8.8

The pseudo-hash data type

Introduced in Perl 5.6.0

Removed in Perl 5.9.0

5.005-style threading

Introduced in Perl 5.005

Removed in Perl 5.10

perlcc

Introduced in Perl 5.005

Moved from Perl 5.9.0 to CPAN

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