

What's "new" in perl

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Jay Hannah

@deafferret

jay.hannah@iinteractive.com



perl ecosystem

OO (Moose, ...)

ORM (DBIx::Class, ...)

Web (Catalyst, PSGI, ...)

I/O (JSON, XML, ...)

31,246 dists on CPAN

1987	1.0	
1988	2.0	
1993	4.036	
1994	5.000	perldoc perlhist
2000	5.6	
2002	5.8	<u>perldoc.perl.org/</u>
2007	5.10.0	<u>index-history.html</u>
2010	5.12.0	
2011	5.14	
2012	5.16	
2013	5.18	
2014	5.20	
2015-01-20	@mhorsfall	<u>5.21.8</u>

```
perldoc -f say
```

```
print "hi\n";
```

```
use v5.10;      # 2007
```

```
say "hi";
```

perldoc perlop

“Logical Defined-Or”

```
$name ||= 'UNKNOWN'; # truth
```

```
$name = defined($name) ?  
    $name : 'UNKNOWN';
```

```
use v5.10; # 2007
```

```
$name //= 'UNKNOWN'; # defined
```

perldoc perlsyn

“Switch Statements”

```
use v5.10.1;      # 2009
for ($var) {
    when (/^abc/) { $abc = 1 }
    when (/^def/) { $def = 1 }
    when (/^xyz/) { $xyz = 1 }
    default      { $nothing = 1 }
}
# see also: given, continue, break
```

```
perldoc perlop  
"Smartmatch Operator"
```

```
use v5.10.1; #2009
```

```
@array = (1, 2, 3, undef, 4, 5);  
say "some elements undefined"  
    if undef ~~ @array;
```

<http://perldoc.perl.org/perlop.html#Smartmatch-Operator>

perldoc perlre

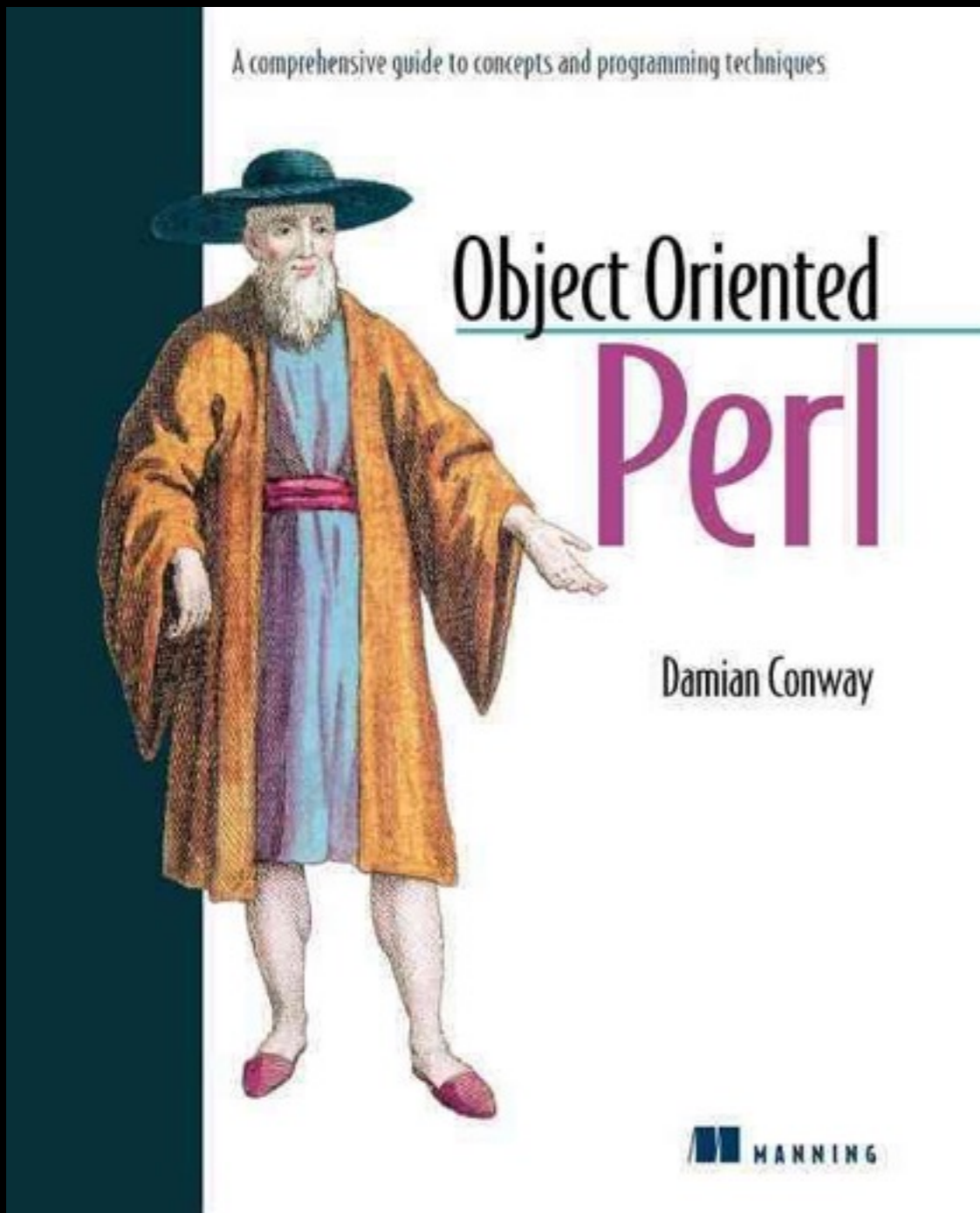
"non-destructive substitution"

```
use v5.14;      # 2011
my $string = "Dear NAME, come to OLUG!";
foreach my $friend (@friends) {
    my $message = $string =~ s/NAME/$friend/r;
    send($message);
}
```

Perl Training Australia

<http://perltraining.com.au/tips/2012-08-08.html>

OO Perl in 2000



```
perldoc perlsub
```

```
sub AUTOLOAD {  
    my $program = $AUTOLOAD;  
    $program =~ s/.*:://;  
    system($program, @_);  
}
```

```
perldoc perlOOTut
```

```
"OO Programming in Perl Tutorial"
```

```
2011 / 2013
```

By default, Perl's built-in OO system is very minimal, leaving you to do most of the work. This minimalism made a lot of sense in 1994, but in the years since Perl 5.0 we've seen a number of common patterns emerge in Perl OO. Fortunately, Perl's flexibility has allowed a rich ecosystem of Perl OO systems to flourish.

```
Moose, Moo, Class::Accessor, Class::Tiny,  
Role::Tiny
```

```
perldoc perlre
```

```
"automatic IO::File (IO::Handle)"
```

```
use v5.14;    # 2011
open my $fh, ">", $file;
$fh->flush;    # flush to disk right now
$fh->autoflush(1);    # Turn on auto-flushing
$fh->autoflush(0);    # Turn off auto-flushing
STDOUT->autoflush(1);    # Turn on auto-flushing
                        #   for STDOUT
```

```
# Perl Training Australia
```

```
# http://perltraining.com.au/tips/2012-08-08.html
```

perldoc perlre

"Extended Patterns"

`(?^...)` # Switch off modifiers locally

```
use v5.14; # 2011
```

```
"ABC" =~ /abc/i; # true
```

```
"ABC" =~ /a(?^:b)c/i; # false
```

```
"ABC" =~ /a(?^i:b)c/i; # true
```

<http://www.slideshare.net/andy.sh/whats-new-in-perl-514>

```
perldoc perlre
```

```
/u means to use Unicode
```

```
use v5.14;
```

```
/\d
```

```
# any symbol
```

```
# marked DIGIT
```

```
# in Unicode
```

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, .

१, ८, १, १, ०, ३, १, ०,

१, २, ३, ४, ५, ६, ७, ८, ९, ०, १,

२, ३, ४, ५, ६, ७, ८, ९, ०, १, २,

൩, ൪, ൫, ൬, ൭, ൮, ൯, ...

perldoc perldiag

Auto de-referencing

```
my $a = [];  
push @$a, 3;
```

```
use v5.14;          # 2011  
no warnings "experimental::autoderef";  
push $a, 7;        # pop, shift, unshift..  
                  # keys, values, each..
```

```
# Would You Miss Autoderef in 5.20?
```

```
# http://www.modernperlbooks.com/mt/2013/11/would-you-miss-autoderef-in-520.html
```

perldoc perlsub

"Signatures"

```
sub foo {  
    die "Too many args" unless @_ <= 2;  
    die "Too few args" unless @_ >= 2;  
    return $_[0] + $_[1];  
}
```

```
use v5.20; # 2014  
use feature 'signatures';  
sub foo ($left, $right) {  
    return $left + $right;  
}
```

perldoc perlref

"Postfix Dereference Syntax"

```
my $nested_array_ref = [[[[[1,2,3]]]]];

# circumfix dereference - usual way
push @{$nested_array_ref->[0]->[0]->[0]->[0]}, 4;

use v5.20; # 2014
use experimental 'postderef';
# postfix dereference - new way
push $nested_array_ref->[0]->[0]->[0]->[0]->@*, 5;

# http://perltricks.com/article/92/2014/5/27/Perl-v5-20---what-you-need-to-know
```


perldoc perldata

"Key/Value Hash Slices"

```
use v5.20;    # 2014
my %raindrops =
    (splish => 4, splash => 9, splosh => 7);
my %hash_slice =
    %raindrops{'splish', 'splosh'};
# hash_slice is (splish => 4, splosh => 7)
```

```
# http://perltricks.com/article/92/2014/5/27/Perl-v5-20---what-you-need-to-know
```

perl doc android



android

perldoc perlexperiment

[http://perldoc.perl.org/
perlexperiment.html](http://perldoc.perl.org/perlexperiment.html)

perldoc perlre

```
# Delete (most) C comments
$program =~ s{
    /\*      # Match opening delim
    .*?     # Non-greedy
    \*/      # Match closing delim
} []gsx;
```