
NAME

Data::SUID - Generates thread-safe sequential unique ids

SYNOPSIS

```

use Data::SUID 'suid';           # Or use ':all' tag
use Data::Dumper;

$Data::Dumper::Indent = 0;
$Data::Dumper::Terse  = 1;

my $suid = suid();               # Old school, or ...
my $suid = Data::SUID->new();     # Do it OOP style

print $suid->hex                  # 55de233819d51b1a8a67e0ac
print $suid->dec                  # 26574773684474770905501261996
print $suid->uencode              # ,5=XC.!G5&QJ*9^"L
print $suid->binary               # 12 bytes of unreadable gibberish
print $suid                      # 55de233819d51b1a8a67e0ac

# Use the hex, dec, uencode and binary methods as fire-and-forget
# constructors, if you prefer:

my $suid_hex = suid->hex;        # If you just want the goodies

```

DESCRIPTION

Use this package to generate thread-safe 12-byte sequential unique ids modeled upon the MongoDB BSON ObjectId. Unlike traditional GUIDs, these are somewhat more index-friendly and reasonably suited for use as primary keys within database tables. They are guaranteed to have a high level of uniqueness, given that they contain a timestamp, a host identifier and an incremented sequence number.

METHODS**new**

```
$suid = Data::SUID->new();
```

Generates a new SUID object.

hex

```

$string = $suid->hex();
$string = Data::SUID->hex();
$string = suid->hex();

```

Returns the SUID value as a 24-character hexadecimal string.

```
$string = "$suid";
```

The SUID object's stringification operation has been overloaded to give this value, too.

dec

```

$string = $suid->dec();
$string = Data::SUID->dec();
$string = suid->dec();

```

Returns the SUID value as a big integer.

uuencode

```
$string = $suid->uuencode();  
$string = Data::SUID->uuencode();  
$string = suid->uuencode();
```

Returns the SUID value as a UUENCODED string.

binary

```
$binstr = $suid->binary();  
$binstr = Data::SUID->binary();  
$binstr = suid->binary();
```

Returns the SUID value as 12 bytes of binary data.

EXPORTED FUNCTIONS

suid

```
my $suid = suid();
```

Generates a new SUID object.

REPOSITORY

Data-SUID at GitHub

BUG REPORTS

Please report any bugs to <http://rt.cpan.org/>

AUTHOR

Iain Campbell <cpanic@cpan.org>

COPYRIGHT AND LICENCE

Copyright (C) 2014-2015 by Iain Campbell

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.