

**NAME**

Sub::Identify – Retrieve names of code references

**SYNOPSIS**

```
use Sub::Identify ':all';
my $subname = sub_name( $some_coderef );
my $packagename = stash_name( $some_coderef );
# or, to get all at once...
my $fully_qualified_name = sub_fullname( $some_coderef );
defined $subname
    and say "this coderef points to sub $subname in package $packagename";
my ($file, $line) = get_code_location( $some_coderef );
$file
    and say "this coderef is defined at line $line in file $file";
is_sub_constant( $some_coderef )
    and say "this coderef points to a constant subroutine";
```

**DESCRIPTION**

Sub::Identify allows you to retrieve the real name of code references.

It provides six functions, all of them taking a code reference.

sub\_name returns the name of the code reference passed as an argument (or `__ANON__` if it's an anonymous code reference), stash\_name returns its package, and sub\_fullname returns the concatenation of the two.

get\_code\_info returns a list of two elements, the package and the subroutine name (in case of you want both and are worried by the speed.)

In case of subroutine aliasing, those functions always return the original name.

get\_code\_location returns a two-element list containing the file name and the line number where the subroutine has been defined.

is\_sub\_constant returns a boolean value indicating whether the subroutine is a constant or not.

**Pure-Perl version**

By default Sub::Identify tries to load an XS implementation of the `get_code_info`, `get_code_location` and (on perl versions 5.16.0 and later) `is_sub_constant` functions, for speed; if that fails, or if the environment variable `PERL_SUB_IDENTIFY_PP` is defined to a true value, it will fall back to a pure perl implementation, that uses perl's introspection mechanism, provided by the B module.

**SEE ALSO**

Sub::Util, part of the module distribution Scalar::List::Utils since version 1.40. Since this will be a core module starting with perl 5.22.0, it is encouraged to migrate to Sub::Util when possible.

Sub::Name

**SOURCE**

A git repository for the sources is at <<https://github.com/rgs/Sub-Identify>>.

**LICENSE**

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