

NAME

IO::Socket::SSL::PublicSuffix – provide access to Mozilla’s list of effective TLD names

SYNOPSIS

```
# use builtin default
use IO::Socket::SSL::PublicSuffix;
$ps = IO::Socket::SSL::PublicSuffix->default;

# load from string
$ps = IO::Socket::SSL::PublicSuffix->from_string("*uk\n");

# load from file or file handle
$ps = IO::Socket::SSL::PublicSuffix->from_file($filename);
$ps = IO::Socket::SSL::PublicSuffix->from_file(\*STDIN);

# --- string in -> string out
# $rest -> whatever.host
# $tld -> co.uk
my ($rest,$tld) = $ps->public_suffix('whatever.host.co.uk');
my $tld = $ps->public_suffix('whatever.host.co.uk');

# $root_domain -> host.co.uk
my $root_domain = $ps->public_suffix('whatever.host.co.uk', 1);

# --- array in -> array out
# $rest -> [qw(whatever host)]
# $tld -> [qw(co uk)]
my ($rest,$tld) = $ps->public_suffix([qw(whatever host co uk)]);

-----

# To update this file with the current list:
perl -MIO::Socket::SSL::PublicSuffix -e 'IO::Socket::SSL::PublicSuffix::update_s
```

DESCRIPTION

This module uses the list of effective top level domain names from the mozilla project to determine the public top level domain for a given hostname.

Method

`class->default(%args)`

Returns object with builtin default. `min_suffix` can be given in `%args` to specify the minimal suffix, default is 1.

`class->from_string(string,%args)`

Returns object with configuration from string. See method `default` for `%args`.

`class->from_file(file name| file handle, %args)`

Returns object with configuration from file or file handle. See method `default` for `%args`.

`$self->public_suffix($host|@host, [$add])`

In array context the function returns the non-tld part and the tld part of the given hostname, in scalar context only the tld part. It adds `$add` parts of the non-tld part to the tld, e.g. with `$add=1` it will return the root domain.

If there were no explicit matches against the public suffix configuration it will fall back to a suffix of length 1.

The function accepts a string or an array-ref (e.g. host split by `.`). In the first case it will return

string(s), in the latter case array-ref(s).

International hostnames or labels can be in ASCII (IDNA form starting with xn--) or unicode. In the latter case an IDNA handling library like Net::IDN::Encode, Net::LibIDN or recent versions of URI need to be installed.

`($self|class)->can_idn`

Returns true if IDN support is available.

FILES

http://publicsuffix.org/list/effective_tld_names.dat

SEE ALSO

Domain::PublicSuffix, Mozilla::PublicSuffix

BUGS

Q: Why yet another module, we already have L<Domain::PublicSuffix> and L<Mozilla::PublicSuffix>.

A: Because the public suffix data change more often than these modules do, IO::Socket::SSL needs this list and it is more easy this way to keep it up-to-date.

AUTHOR

Steffen Ullrich