



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'URI::\_punycode.3pm'***

**C:\>man URI::\_punycode.3pm**

URI::\_punycode(3pm)      User Contributed Perl Documentation      URI::\_punycode(3pm)

### NAME

URI::\_punycode - encodes Unicode string in Punycode

### SYNOPSIS

```
use strict;
```

```
use warnings;
```

```
use utf8;
```

```
use URI::_punycode qw(encode_punycode decode_punycode);
```

```
# encode a unicode string
```

```
my $punycode = encode_punycode('http://?.net'); # http://.net-xc8g
```

```
$punycode = encode_punycode('b?cher'); # bcher-kva
```

```
$punycode = encode_punycode('????????'); # ihqwcrb4cv8a8dqg056pqjye
```

```
# decode a punycode string back into a unicode string
```

```
my $unicode = decode_punycode('http://.net-xc8g'); # http://?.net
```

```
$unicode = decode_punycode('bcher-kva'); # b?cher
```

```
$unicode = decode_punycode('ihqwcrb4cv8a8dqg056pqjye'); # ??????????
```

## DESCRIPTION

URI::\_punycode is a module to encode / decode Unicode strings into Punycode <<https://tools.ietf.org/html/rfc3492>>, an efficient encoding of Unicode for use with IDNA <<https://tools.ietf.org/html/rfc5890>>.

## FUNCTIONS

All functions throw exceptions on failure. You can "catch" them with Syntax::Keyword::Try or Try::Tiny. The following functions are exported by default.

### encode\_punycode

```
my $punycode = encode_punycode('http://?.net'); # http://.net-xc8g
$punycode = encode_punycode('b?cher'); # bcher-kva
$punycode = encode_punycode('????????') # ihqwcrb4cv8a8dqq056pqjye
```

Takes a Unicode string (UTF8-flagged variable) and returns a Punycode encoding for it.

### decode\_punycode

```
my $unicode = decode_punycode('http://.net-xc8g'); # http://?.net
$unicode = decode_punycode('bcher-kva'); # b?cher
$unicode = decode_punycode('ihqwcrb4cv8a8dqq056pqjye'); # ??????????
```

Takes a Punycode encoding and returns original Unicode string.

## AUTHOR

Tatsuhiko Miyagawa <[miyagawa@bulknews.net](mailto:miyagawa@bulknews.net)> is the author of IDNA::Punycode which was the basis for this module.

## SEE ALSO

IDNA::Punycode, RFC 3492 <<https://tools.ietf.org/html/rfc3492>>, RFC 5891 <<https://tools.ietf.org/html/rfc5891>>

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