

**NAME**

idna\_strerror - API function

**SYNOPSIS**

```
#include <idna.h>
```

```
const char * idna_strerror(Idna_rc rc);
```

**ARGUMENTS**

Idna\_rc rc    an **Idna\_rc** return code.

**DESCRIPTION**

Convert a return code integer to a text string. This string can be used to output a diagnostic message to the user.

**IDNA\_SUCCESS**

Successful operation. This value is guaranteed to always be zero, the remaining ones are only guaranteed to hold non-zero values, for logical comparison purposes.

**IDNA\_STRINGPREP\_ERROR**

Error during string preparation.

**IDNA\_PUNYCODE\_ERROR**

Error during punycode operation.

**IDNA\_CONTAINS\_NON\_LDH**

For IDNA\_USE\_STD3\_ASCII\_RULES, indicate that the string contains non-LDH ASCII characters.

**IDNA\_CONTAINS\_MINUS**

For IDNA\_USE\_STD3\_ASCII\_RULES, indicate that the string contains a leading or trailing hyphen-minus (U+002D).

**IDNA\_INVALID\_LENGTH**

The final output string is not within the (inclusive) range 1 to 63 characters.

**IDNA\_NO\_ACE\_PREFIX**

The string does not contain the ACE prefix (for ToUnicode).

**IDNA\_ROUNDTRIP\_VERIFY\_ERROR**

The ToASCII operation on output string does not equal the input.

**IDNA\_CONTAINS\_ACE\_PREFIX**

The input contains the ACE prefix (for ToASCII).

**IDNA\_ICONV\_ERROR**

Character encoding conversion error.

**IDNA\_MALLOC\_ERROR**

Could not allocate buffer (this is typically a fatal error).

**IDNA\_DLOPEN\_ERROR**

Could not dlopen the libidn DSO (only used internally in libc).

Return value: Returns a pointer to a statically allocated string containing a description of the error with the return code *rc* .

**REPORTING BUGS**

Report bugs to <help-libidn@gnu.org>.

General guidelines for reporting bugs: <http://www.gnu.org/gethelp/>

GNU Libidn home page: <http://www.gnu.org/software/libidn/>

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**SEE ALSO**

The full documentation for **libidn** is maintained as a Texinfo manual. If the **info** and **libidn** programs are properly installed at your site, the command

**info libidn**

should give you access to the complete manual. As an alternative you may obtain the manual from:

**<http://www.gnu.org/software/libidn/manual/>**