

NAME

idn2_to_ascii_4z - API function

SYNOPSIS

```
#include <idn2.h>
```

```
int idn2_to_ascii_4z(const uint32_t * input, char ** output, int flags);
```

ARGUMENTS

const uint32_t * input
zero terminated input Unicode (UCS-4) string.

char ** output
pointer to newly allocated zero-terminated output string.

int flags optional **idn2_flags** to modify behaviour.

DESCRIPTION

Convert UCS-4 domain name to ASCII string using the IDNA2008 rules. The domain name may contain several labels, separated by dots. The output buffer must be deallocated by the caller.

The default behavior of this function (when flags are zero) is to apply the IDNA2008 rules without the TR46 amendments. As the TR46 non-transitional processing is nowadays ubiquitous, when unsure, it is recommended to call this function with the **IDN2_NONTRANSITIONAL** and the **IDN2_NFC_INPUT** flags for compatibility with other software.

Return value: Returns **IDN2_OK** on success, or error code.

SINCE

2.0.0

REPORTING BUGS

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

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

Libidn2 home page: <https://www.gnu.org/software/libidn2/>

COPYRIGHT

Copyright (C) 2002-2022 Simon Josefsson.

Copying and distribution of this file, with or without modification, are permitted in any medium

without royalty provided the copyright notice and this notice are preserved.

SEE ALSO

The full documentation for **libidn2** is maintained as a Texinfo manual. If the **info** and **libidn2** programs are properly installed at your site, the command

info libidn2

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

<https://www.gnu.org/software/libidn/libidn2/manual/>