### **NAME**

stringprep\_4i - API function

## **SYNOPSIS**

#include <stringprep.h>

int stringprep\_4i(uint32\_t \* ucs4, size\_t \* len, size\_t maxucs4len, Stringprep\_profile\_flags flags, const Stringprep\_profile \* profile);

## **ARGUMENTS**

uint32\_t \* ucs4

input/output array with string to prepare.

size\_t \* len on input, length of input array with Unicode code points, on exit, length of output array with Unicode code points.

size\_t maxucs4len

maximum length of input/output array.

Stringprep\_profile\_flags flags

a **Stringprep profile flags** value, or 0.

const Stringprep\_profile \* profile

pointer to **Stringprep\_profile** to use.

# **DESCRIPTION**

Prepare the input UCS-4 string according to the stringprep profile, and write back the result to the input string.

The input is not required to be zero terminated (ucs4 [len] = 0). The output will not be zero terminated unless ucs4 [len] = 0. Instead, see **stringprep\_4zi**() if your input is zero terminated or if you want the output to be.

Since the stringprep operation can expand the string, *maxucs4len* indicate how large the buffer holding the string is. This function will not read or write to code points outside that size.

The *flags* are one of **Stringprep\_profile\_flags** values, or 0.

The *profile* contain the **Stringprep\_profile** instructions to perform. Your application can define new profiles, possibly re-using the generic stringprep tables that always will be part of the library, or use

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one of the currently supported profiles.

Return value: Returns **STRINGPREP\_OK** iff successful, or an **Stringprep\_rc** error code.

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# 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/

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