NAME

    idn2_lookup_ul - API function

SYNOPSIS

    #include <idn2.h>

    int idn2_lookup_ul(const char * *src***, char **** *lookupname***, int** *flags***);**

ARGUMENTS

    const char * src

                input zero-terminated locale encoded string.

    char ** lookupname

                newly allocated output variable with name to lookup in DNS.

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

DESCRIPTION

    Perform IDNA2008 lookup string conversion on domain name *src* , as described in section 5 of RFC
    5891. Note that the input is assumed to be encoded in the locale's default coding system, and will be
    transcoded to UTF-8 and NFC normalized by this function.

    Pass **IDN2_ALABEL_ROUNDTRIP** in *flags* to convert any input A-labels to U-labels and perform
    additional testing. This is default since version 2.2. To switch this behavior off, pass
    IDN2_NO_ALABEL_ROUNDTRIP

    Pass **IDN2_TRANSITIONAL** to enable Unicode TR46 transitional processing, and
    IDN2_NONTRANSITIONAL to enable Unicode TR46 non-transitional processing.

    Multiple flags may be specified by binary or:ing them together, for example
    IDN2_ALABEL_ROUNDTRIP | **IDN2_NONTRANSITIONAL**.

    The **IDN2_NFC_INPUT** in *flags* is always enabled in this function.

    After version 0.11: *lookupname* may be NULL to test lookup of *src* without allocating memory.

RETURNS

    On successful conversion **IDN2_OK** is returned, if conversion from locale to UTF-8 fails then
    IDN2_ICONV_FAIL is returned, if the output domain or any label would have been too long
    IDN2_TOO_BIG_DOMAIN or **IDN2_TOO_BIG_LABEL** is returned, or another error code is

returned.

SINCE

0.1

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/

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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/