NAME

fido_dev_make_cred - generates a new credential on a FIDO2 device

SYNOPSIS

#include <fido.h>

int
fido_dev_make_cred(*fido_dev_t *dev*, *fido_cred_t *cred*, *const char *pin*);

DESCRIPTION

The **fido_dev_make_cred**() function asks the FIDO2 device represented by *dev* to generate a new credential according to the following parameters defined in *cred*:

- **type**;
- **client data hash**;
- **relying party**;
- **user attributes**;
- **list of excluded credential IDs**;
- **resident/discoverable key and user verification attributes**.

See fido_cred_set_authdata(3) for information on how these values are set.

If a PIN is not needed to authenticate the request against *dev*, then *pin* may be NULL. Otherwise *pin* must point to a NUL-terminated UTF-8 string.

After a successful call to **fido_dev_make_cred**(), the fido_cred_authdata_ptr(3), fido_cred_pubkey_ptr(3), fido_cred_x5c_ptr(3), and fido_cred_sig_ptr(3) functions may be invoked on *cred* to retrieve the various parts of the generated credential.

Please note that **fido_dev_make_cred**() is synchronous and will block if necessary.

RETURN VALUES

The error codes returned by **fido_dev_make_cred**() are defined in *<fido/err.h>*. On success, FIDO_OK is returned.

SEE ALSO

fido_cred_new(3), fido_cred_set_authdata(3)