NAME

fido_bio_enroll_new, **fido_bio_enroll_free**, **fido_bio_enroll_last_status**, **fido_bio_enroll_remaining_samples** - FIDO2 biometric enrollment API

SYNOPSIS

#include <fido.h>
#include <fido/bio.h>

```
#define FIDO_BIO_ENROLL_FP_GOOD                         0x00
#define FIDO_BIO_ENROLL_FP_TOO_HIGH                     0x01
#define FIDO_BIO_ENROLL_FP_TOO_LOW                      0x02
#define FIDO_BIO_ENROLL_FP_TOO_LEFT                     0x03
#define FIDO_BIO_ENROLL_FP_TOO_RIGHT                    0x04
#define FIDO_BIO_ENROLL_FP_TOO_FAST                     0x05
#define FIDO_BIO_ENROLL_FP_TOO_SLOW                     0x06
#define FIDO_BIO_ENROLL_FP_POOR_QUALITY                 0x07
#define FIDO_BIO_ENROLL_FP_TOO_SKEWED                   0x08
#define FIDO_BIO_ENROLL_FP_TOO_SHORT                    0x09
#define FIDO_BIO_ENROLL_FP_MERGE_FAILURE                0x0a
#define FIDO_BIO_ENROLL_FP_EXISTS                       0x0b
#define FIDO_BIO_ENROLL_FP_DATABASE_FULL                0x0c
#define FIDO_BIO_ENROLL_NO_USER_ACTIVITY                0x0d
#define FIDO_BIO_ENROLL_NO_USER_PRESENCE_TRANSITION     0x0e
```

*fido_bio_enroll_t **
fido_bio_enroll_new(*void*);

void
fido_bio_enroll_free(*fido_bio_enroll_t ***enroll_p*);

uint8_t
fido_bio_enroll_last_status(*const fido_bio_enroll_t *enroll*);

uint8_t
fido_bio_enroll_remaining_samples(*const fido_bio_enroll_t *enroll*);

DESCRIPTION

Ongoing FIDO2 biometric enrollments are abstracted in *libfido2* by the *fido_bio_enroll_t* type.

The functions described in this page allow a *fido_bio_enroll_t* type to be allocated, deallocated, and inspected. For device operations on *fido_bio_enroll_t*, please refer to fido_bio_dev_get_info(3).

The **fido_bio_enroll_new**() function returns a pointer to a newly allocated, empty *fido_bio_enroll_t* type. If memory cannot be allocated, NULL is returned.

The **fido_bio_enroll_free**() function releases the memory backing **enroll_p*, where **enroll_p* must have been previously allocated by **fido_bio_enroll_new**(). On return, **enroll_p* is set to NULL. Either *enroll_p* or **enroll_p* may be NULL, in which case **fido_bio_enroll_free**() is a NOP.

The **fido_bio_enroll_last_status**() function returns the enrollment status of *enroll*.

The **fido_bio_enroll_remaining_samples**() function returns the number of samples left for *enroll* to complete.

SEE ALSO

fido_bio_dev_get_info(3), fido_bio_template(3)