

NAME

fidobio_enroll_new, **fidobio_enroll_free**, **fidobio_enroll_last_status**,
fidobio_enroll_remaining_samples - FIDO2 biometric enrollment API

SYNOPSIS

```
#include <fidobio.h>
```

```
#include <fidobio/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
```

```
fidobio_enroll_t *
```

```
fidobio_enroll_new(void);
```

```
void
```

```
fidobio_enroll_free(fidobio_enroll_t **enroll_p);
```

```
uint8_t
```

```
fidobio_enroll_last_status(const fidobio_enroll_t *enroll);
```

```
uint8_t
```

```
fidobio_enroll_remaining_samples(const fidobio_enroll_t *enroll);
```

DESCRIPTION

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

The functions described in this page allow a *fidobio_enroll_t* type to be allocated, deallocated, and inspected. For device operations on *fidobio_enroll_t*, please refer to `fidobio_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)