

**NAME**

**fido\_bio\_info\_new**, **fido\_bio\_info\_free**, **fido\_bio\_info\_type**, **fido\_bio\_info\_max\_samples** - FIDO2 biometric sensor information API

**SYNOPSIS**

```
#include <fido.h>
```

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

```
fido_bio_info_t *
```

```
fido_bio_info_new(void);
```

```
void
```

```
fido_bio_info_free(fido_bio_info_t **info_p);
```

```
uint8_t
```

```
fido_bio_info_type(const fido_bio_info_t *info);
```

```
uint8_t
```

```
fido_bio_info_max_samples(const fido_bio_info_t *info);
```

**DESCRIPTION**

Biometric sensor metadata is abstracted in *libfido2* by the *fido\_bio\_info\_t* type.

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

The **fido\_bio\_info\_new()** function returns a pointer to a newly allocated, empty *fido\_bio\_info\_t* type. If memory cannot be allocated, NULL is returned.

The **fido\_bio\_info\_free()** function releases the memory backing *\*info\_p*, where *\*info\_p* must have been previously allocated by **fido\_bio\_info\_new()**. On return, *\*info\_p* is set to NULL. Either *info\_p* or *\*info\_p* may be NULL, in which case **fido\_bio\_info\_free()** is a NOP.

The **fido\_bio\_info\_type()** function returns the fingerprint sensor type, which is 1 for touch sensors, and 2 for swipe sensors.

The **fido\_bio\_info\_max\_samples()** function returns the maximum number of successful samples required for enrollment.

**SEE ALSO**

fidobio\_dev\_get\_info(3), fidobio\_enroll\_new(3), fidobio\_template(3)