

**NAME**

**fido\_bio\_dev\_get\_info**, **fido\_bio\_dev\_enroll\_begin**, **fido\_bio\_dev\_enroll\_continue**,  
**fido\_bio\_dev\_enroll\_cancel**, **fido\_bio\_dev\_enroll\_remove**, **fido\_bio\_dev\_get\_template\_array**,  
**fido\_bio\_dev\_set\_template\_name** - FIDO2 biometric authenticator API

**SYNOPSIS**

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

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

```
int
```

```
fido_bio_dev_get_info(fido_dev_t *dev, fido_bio_info_t *info);
```

```
int
```

```
fido_bio_dev_enroll_begin(fido_dev_t *dev, fido_bio_template_t *template, fido_bio_enroll_t *enroll,  
uint32_t timeout_ms, const char *pin);
```

```
int
```

```
fido_bio_dev_enroll_continue(fido_dev_t *dev, const fido_bio_template_t *template,  
fido_bio_enroll_t *enroll, uint32_t timeout_ms);
```

```
int
```

```
fido_bio_dev_enroll_cancel(fido_dev_t *dev);
```

```
int
```

```
fido_bio_dev_enroll_remove(fido_dev_t *dev, const fido_bio_template_t *template, const char *pin);
```

```
int
```

```
fido_bio_dev_get_template_array(fido_dev_t *dev, fido_bio_template_array_t *template_array,  
const char *pin);
```

```
int
```

```
fido_bio_dev_set_template_name(fido_dev_t *dev, const fido_bio_template_t *template,  
const char *pin);
```

**DESCRIPTION**

The functions described in this page allow biometric templates on a FIDO2 authenticator to be listed, created, removed, and customised. Please note that not all FIDO2 authenticators support biometric enrollment. For a description of the types involved, please refer to `fido_bio_info_new(3)`, `fido_bio_enroll_new(3)`, and `fido_bio_template(3)`.

The **fido\_bio\_dev\_get\_info()** function populates *info* with sensor information from *dev*.

The **fido\_bio\_dev\_enroll\_begin()** function initiates a biometric enrollment on *dev*, instructing the authenticator to wait *timeout\_ms* milliseconds. On success, *template* and *enroll* will be populated with the newly created template's information and enrollment status, respectively.

The **fido\_bio\_dev\_enroll\_continue()** function continues an ongoing enrollment on *dev*, instructing the authenticator to wait *timeout\_ms* milliseconds. On success, *enroll* will be updated to reflect the status of the biometric enrollment.

The **fido\_bio\_dev\_enroll\_cancel()** function cancels an ongoing enrollment on *dev*.

The **fido\_bio\_dev\_enroll\_remove()** function removes *template* from *dev*.

The **fido\_bio\_dev\_get\_template\_array()** function populates *template\_array* with the templates currently enrolled on *dev*.

The **fido\_bio\_dev\_set\_template\_name()** function sets the friendly name of *template* on *dev*.

## RETURN VALUES

The error codes returned by **fido\_bio\_dev\_get\_info()**, **fido\_bio\_dev\_enroll\_begin()**, **fido\_bio\_dev\_enroll\_continue()**, **fido\_bio\_dev\_enroll\_cancel()**, **fido\_bio\_dev\_enroll\_remove()**, **fido\_bio\_dev\_get\_template\_array()**, and **fido\_bio\_dev\_set\_template\_name()** are defined in `<fido/err.h>`. On success, FIDO\_OK is returned.

## SEE ALSO

fido\_bio\_enroll\_new(3), fido\_bio\_info\_new(3), fido\_bio\_template(3)