

MTBL\_ITER(3)

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**NAME**

`mtbl_iter` – iterate over a sequence of key–value pairs

**SYNOPSIS**

```
#include <mtbl.h>
```

```
mtbl_res
```

```
mtbl_iter_next(struct mtbl_iter *it,  
               const uint8_t * *key, size_t *len_key,  
               const uint8_t * *val, size_t *len_val);
```

```
void
```

```
mtbl_iter_destroy(struct mtbl_iter **it);
```

**DESCRIPTION**

The **mtbl\_iter** interface is used to return a sequence of one or more key–value pairs. Once the caller obtains an **mtbl\_iter** object, **mtbl\_iter\_next()** should be repeatedly called on it until there are no more key–value entries to retrieve, at which point the iterator object must be freed by calling **mtbl\_iter\_destroy()**.

**RETURN VALUE**

**mtbl\_iter\_next()** returns **mtbl\_res\_success** if a key–value entry was successfully retrieved, in which case *key* and *val* will point to buffers of length *len\_key* and *len\_val* respectively. The value **mtbl\_res\_failure** is returned if there are no more entries to read, or if the *it* argument is NULL.

**SEE ALSO**

**mtbl\_source(3)**

