

NAME

ldns_buffer_limit, ldns_buffer_set_limit, ldns_buffer_capacity, ldns_buffer_set_capacity, ldns_buffer_reserve, ldns_buffer_at, ldns_buffer_begin, ldns_buffer_end, ldns_buffer_current - buffer limits and pointers

SYNOPSIS

```
#include <stdint.h>
```

```
#include <stdbool.h>
```

```
#include <ldns/ldns.h>
```

```
size_t ldns_buffer_limit(const ldns_buffer *buffer);
```

```
void ldns_buffer_set_limit(ldns_buffer *buffer, size_t limit);
```

```
size_t ldns_buffer_capacity(const ldns_buffer *buffer);
```

```
bool ldns_buffer_set_capacity(ldns_buffer *buffer, size_t capacity);
```

```
bool ldns_buffer_reserve(ldns_buffer *buffer, size_t amount);
```

```
uint8_t * ldns_buffer_at(const ldns_buffer *buffer, size_t at);
```

```
uint8_t * ldns_buffer_begin(const ldns_buffer *buffer);
```

```
uint8_t * ldns_buffer_end(const ldns_buffer *buffer);
```

```
uint8_t * ldns_buffer_current(const ldns_buffer *buffer);
```

DESCRIPTION

ldns_buffer_limit() returns the maximum size of the buffer `\param[in] buffer`
Returns the size

ldns_buffer_set_limit() changes the buffer's limit. If the buffer's position is greater than the new limit the position is set to the limit.

buffer: the buffer

limit: the new limit

ldns_buffer_capacity() returns the number of bytes the buffer can hold.

buffer: the buffer

Returns the number of bytes

ldns_buffer_set_capacity() changes the buffer's capacity. The data is reallocated so any pointers to the data may become invalid. The buffer's limit is set to the buffer's new capacity.

buffer: the buffer

capacity: the capacity to use

Returns whether this failed or succeeded

ldns_buffer_reserve() ensures BUFFER can contain at least AMOUNT more bytes. The buffer's capacity is increased if necessary using *buffer_set_capacity()*.

The buffer's limit is always set to the (possibly increased) capacity.

buffer: the buffer

amount: amount to use

Returns whether this failed or succeeded

ldns_buffer_at() returns a pointer to the data at the indicated position.

buffer: the buffer

at: position

Returns the pointer to the data

ldns_buffer_begin() returns a pointer to the beginning of the buffer (the data at position 0).

buffer: the buffer

Returns the pointer

ldns_buffer_end() returns a pointer to the end of the buffer (the data at the buffer's limit).

buffer: the buffer

Returns the pointer

ldns_buffer_current() returns a pointer to the data at the buffer's current position.

buffer: the buffer

Returns the pointer

AUTHOR

The ldns team at NLnet Labs.

REPORTING BUGS

Please report bugs to dns-team@nlnetlabs.nl or on GitHub at <https://github.com/NLnetLabs/ldns/issues>

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SEE ALSO

ldns_buffer. And **perldoc Net::DNS**, **RFC1034**, **RFC1035**, **RFC4033**, **RFC4034** and **RFC4035**.

REMARKS

This manpage was automatically generated from the ldns source code.