

NAME

ldns_buffer_write_at, ldns_buffer_write, ldns_buffer_write_string_at, ldns_buffer_write_string, ldns_buffer_write_u8_at, ldns_buffer_write_u8, ldns_buffer_write_u16_at, ldns_buffer_write_u16, ldns_buffer_read_at, ldns_buffer_read, ldns_buffer_read_u8_at, ldns_buffer_read_u8, ldns_buffer_read_u16_at, ldns_buffer_read_u16, ldns_buffer_read_u32_at, ldns_buffer_read_u32, ldns_buffer_write_u32, ldns_buffer_write_u32_at - reading and writing buffers

SYNOPSIS

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

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

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

```
void ldns_buffer_write_at(ldns_buffer *buffer, size_t at, const void *data, size_t count);
```

```
void ldns_buffer_write(ldns_buffer *buffer, const void *data, size_t count);
```

```
void ldns_buffer_write_string_at(ldns_buffer *buffer, size_t at, const char *str);
```

```
void ldns_buffer_write_string(ldns_buffer *buffer, const char *str);
```

```
void ldns_buffer_write_u8_at(ldns_buffer *buffer, size_t at, uint8_t data);
```

```
void ldns_buffer_write_u8(ldns_buffer *buffer, uint8_t data);
```

```
void ldns_buffer_write_u16_at(ldns_buffer *buffer, size_t at, uint16_t data);
```

```
void ldns_buffer_write_u16(ldns_buffer *buffer, uint16_t data);
```

```
void ldns_buffer_read_at(const ldns_buffer *buffer, size_t at, void *data, size_t count);
```

```
void ldns_buffer_read(ldns_buffer *buffer, void *data, size_t count);
```

```
uint8_t ldns_buffer_read_u8_at(const ldns_buffer *buffer, size_t at);
```

```
uint8_t ldns_buffer_read_u8(ldns_buffer *buffer);
```

```
uint16_t ldns_buffer_read_u16_at(ldns_buffer *buffer, size_t at);
```

```
uint16_t ldns_buffer_read_u16(ldns_buffer *buffer);

uint32_t ldns_buffer_read_u32_at(ldns_buffer *buffer, size_t at);

uint32_t ldns_buffer_read_u32(ldns_buffer *buffer);

void ldns_buffer_write_u32(ldns_buffer *buffer, uint32_t data);

void ldns_buffer_write_u32_at(ldns_buffer *buffer, size_t at, uint32_t data);
```

DESCRIPTION

ldns_buffer_write_at() writes the given data to the buffer at the specified position

buffer: the buffer
at: the position (in number of bytes) to write the data at
data: pointer to the data to write to the buffer
count: the number of bytes of data to write

ldns_buffer_write() writes count bytes of data to the current position of the buffer

buffer: the buffer
data: the data to write
count: the length of the data to write

ldns_buffer_write_string_at() copies the given (null-delimited) string to the specified position at the buffer

buffer: the buffer
at: the position in the buffer
str: the string to write

ldns_buffer_write_string() copies the given (null-delimited) string to the current position at the buffer

buffer: the buffer
str: the string to write

ldns_buffer_write_u8_at() writes the given byte of data at the given position in the buffer

buffer: the buffer
at: the position in the buffer
data: the 8 bits to write

ldns_buffer_write_u8() writes the given byte of data at the current position in the buffer

buffer: the buffer
data: the 8 bits to write

ldns_buffer_write_u16_at() writes the given 2 byte integer at the given position in the buffer

buffer: the buffer

at: the position in the buffer

data: the 16 bits to write

ldns_buffer_write_u16() writes the given 2 byte integer at the current position in the buffer

buffer: the buffer

data: the 16 bits to write

ldns_buffer_read_at() copies count bytes of data at the given position to the given data-array

buffer: the buffer

at: the position in the buffer to start

data: buffer to copy to

count: the length of the data to copy

ldns_buffer_read() copies count bytes of data at the current position to the given data-array

buffer: the buffer

data: buffer to copy to

count: the length of the data to copy

ldns_buffer_read_u8_at() returns the byte value at the given position in the buffer

buffer: the buffer

at: the position in the buffer

Returns 1 byte integer

ldns_buffer_read_u8() returns the byte value at the current position in the buffer

buffer: the buffer

Returns 1 byte integer

ldns_buffer_read_u16_at() returns the 2-byte integer value at the given position in the buffer

buffer: the buffer

at: position in the buffer

Returns 2 byte integer

ldns_buffer_read_u16() returns the 2-byte integer value at the current position in the buffer

buffer: the buffer

Returns 2 byte integer

ldns_buffer_read_u32_at() returns the 4-byte integer value at the given position in the buffer

buffer: the buffer

at: position in the buffer
Returns 4 byte integer

ldns_buffer_read_u32() returns the 4-byte integer value at the current position in the buffer
buffer: the buffer
Returns 4 byte integer

ldns_buffer_write_u32() writes the given 4 byte integer at the current position in the buffer
buffer: the buffer
data: the 32 bits to write

ldns_buffer_write_u32_at() writes the given 4 byte integer at the given position in the buffer
buffer: the buffer
at: the position in the buffer
data: the 32 bits to write

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.