

NAME

ldns_native2rdf_int8, ldns_native2rdf_int16, ldns_native2rdf_int32, ldns_native2rdf_int16_data, ldns_rdf2native_int8, ldns_rdf2native_int16, ldns_rdf2native_int32, ldns_rdf2native_sockaddr_storage, ldns_rdf2native_time_t - rdf numeric conversion functions

SYNOPSIS

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

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

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

```
ldns_rdf* ldns_native2rdf_int8(ldns_rdf_type type, uint8_t value);
```

```
ldns_rdf* ldns_native2rdf_int16(ldns_rdf_type type, uint16_t value);
```

```
ldns_rdf* ldns_native2rdf_int32(ldns_rdf_type type, uint32_t value);
```

```
ldns_rdf* ldns_native2rdf_int16_data(size_t size, uint8_t *data);
```

```
uint8_t ldns_rdf2native_int8(const ldns_rdf *rd);
```

```
uint16_t ldns_rdf2native_int16(const ldns_rdf *rd);
```

```
uint32_t ldns_rdf2native_int32(const ldns_rdf *rd);
```

```
ldns_rdf2native_sockaddr_storage();
```

```
time_t ldns_rdf2native_time_t(const ldns_rdf *rd);
```

DESCRIPTION

ldns_native2rdf_int8() returns the rdf containing the native uint8_t repr.

type: the ldns_rdf type to use

value: the uint8_t to use

Returns ldns_rdf* with the converted value

ldns_native2rdf_int16() returns the rdf containing the native uint16_t representation.

type: the ldns_rdf type to use

value: the uint16_t to use

Returns ldns_rdf* with the converted value

ldns_native2rdf_int32() returns an rdf that contains the given int32 value.

Because multiple rdf types can contain an int32, the type must be specified

type: the ldns_rdf type to use

value: the uint32_t to use

Returns ldns_rdf* with the converted value

ldns_native2rdf_int16_data() returns an int16_data rdf that contains the data in the given array, preceded by an int16 specifying the length.

The memory is copied, and an LDNS_RDF_TYPE_INT16DATA is returned

size: the size of the data

***data:** pointer to the actual data

Returns ldns_rdf* the rdf with the data

ldns_rdf2native_int8() returns the native uint8_t representation from the rdf.

rd: the ldns_rdf to operate on

Returns uint8_t the value extracted

ldns_rdf2native_int16() returns the native uint16_t representation from the rdf.

rd: the ldns_rdf to operate on

Returns uint16_t the value extracted

ldns_rdf2native_int32() returns the native uint32_t representation from the rdf.

rd: the ldns_rdf to operate on

Returns uint32_t the value extracted

ldns_rdf2native_sockaddr_storage()

ldns_rdf2native_time_t() returns the native time_t representation from the rdf.

rd: the ldns_rdf to operate on

Returns time_t the value extracted (32 bits currently)

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

REMARKS

This manpage was automatically generated from the ldns source code.