

**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 [ldns-team@nlnetlabs.nl](mailto:ldns-team@nlnetlabs.nl) or in our bugzilla at

<http://www.nlnetlabs.nl/bugs/index.html>

## **COPYRIGHT**

Copyright (c) 2004 - 2006 NLnet Labs.

Licensed under the BSD License. There is NO warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

## **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.