

NAME

ldns_rr_descriptor, ldns_rr_descript, ldns_rr_descriptor_minimum, ldns_rr_descriptor_maximum, ldns_rr_descriptor_field_type - rdata field descriptors

SYNOPSIS

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

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

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

```
const ldns_rr_descriptor* ldns_rr_descript(uint16_t type);
```

```
size_t ldns_rr_descriptor_minimum(const ldns_rr_descriptor *descriptor);
```

```
size_t ldns_rr_descriptor_maximum(const ldns_rr_descriptor *descriptor);
```

```
ldns_rdf_type ldns_rr_descriptor_field_type(const ldns_rr_descriptor *descriptor, size_t field);
```

DESCRIPTION

ldns_rr_descriptor

Contains all information about resource record types.

This structure contains, for all rr types, the rdata fields that are defined.

```
struct ldns_struct_rr_descriptor
```

```
{
```

Type of the RR that is described here:

```
ldns_rr_type  _type;
```

Textual name of the RR type.:

```
const char *_name;
```

Minimum number of rdata fields in the RRs of this type.:

```
uint8_t  _minimum;
```

Maximum number of rdata fields in the RRs of this type.:

```
uint8_t  _maximum;
```

Wireformat specification for the rr, i.e. the types of rdata fields in their respective order.:

```
const ldns_rdf_type *_wireformat;
```

Special rdf types:

```
ldns_rdf_type _variable;
```

Specifies whether compression can be used for dnames in this RR type.:

```
ldns_rr_compress _compress;
```

The number of DNAMEs in the `_wireformat` string, for parsing.:

```
uint8_t _dname_count;  
};  
typedef struct ldns_struct_rr_descriptor ldns_rr_descriptor;
```

ldns_rr_descriptor() returns the resource record descriptor for the given rr type.

type: the type value of the rr type
Returns the *ldns_rr_descriptor* for this type

ldns_rr_descriptor_minimum() returns the minimum number of rdata fields of the rr type this descriptor describes.

descriptor: for an rr type
Returns the minimum number of rdata fields

ldns_rr_descriptor_maximum() returns the maximum number of rdata fields of the rr type this descriptor describes.

descriptor: for an rr type
Returns the maximum number of rdata fields

ldns_rr_descriptor_field_type() returns the rdf type for the given rdata field number of the rr type for the given descriptor.

descriptor: for an rr type
field: the field number
Returns the rdf type for the field

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

REMARKS

This manpage was automatically generated from the ldns source code.