

**NAME**

ldns\_rr\_new, ldns\_rr\_new\_frm\_type, ldns\_rr\_new\_frm\_str, ldns\_rr\_new\_frm\_fp, ldns\_rr\_free, ldns\_rr\_print - ldns\_rr creation, destruction and printing

**SYNOPSIS**

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

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

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

```
ldns_rr* ldns_rr_new(void);
```

```
ldns_rr* ldns_rr_new_frm_type(ldns_rr_type t);
```

```
ldns_status ldns_rr_new_frm_str(ldns_rr **n, const char *str, uint32_t default_ttl, const ldns_rdf
*origin, ldns_rdf **prev);
```

```
ldns_status ldns_rr_new_frm_fp(ldns_rr **rr, FILE *fp, uint32_t *default_ttl, ldns_rdf **origin,
ldns_rdf **prev);
```

```
void ldns_rr_free(ldns_rr *rr);
```

```
void ldns_rr_print(FILE *output, const ldns_rr *rr);
```

**DESCRIPTION**

*ldns\_rr\_new()* creates a new rr structure.

Returns ldns\_rr \*

*ldns\_rr\_new\_frm\_type()* creates a new rr structure, based on the given type. alloc enough space to hold all the rdf's

*ldns\_rr\_new\_frm\_str()* creates an rr from a string. The string should be a fully filled-in rr, like  
 ownername &lt;space> TTL &lt;space> CLASS &lt;space> TYPE &lt;space>  
 RDATA.

**n**: the rr to return

**str**: the string to convert

**default\_ttl**: default ttl value for the rr. If 0 DEF\_TTL will be used

**origin**: when the owner is relative add this. The caller must ldns\_rdf\_deep\_free it.

**prev**: the previous ownername. if this value is not NULL, the function overwrites this with the

ownername found in this string. The caller must then `ldns_rdf_deep_free` it.  
Returns a status msg describing an error or `LDNS_STATUS_OK`

*ldns\_rr\_new\_frm\_fp()* creates a new rr from a file containing a string.

**rr**: the new rr

**fp**: the file pointer to use

**default\_ttl**: pointer to a default ttl for the rr. If `NULL` `DEF_TTL` will be used the pointer will be updated if the file contains a `$TTL` directive

**origin**: when the owner is relative add this the pointer will be updated if the file contains a `$ORIGIN` directive The caller must `ldns_rdf_deep_free` it.

**prev**: when the owner is whitespaces use this as the \* ownername the pointer will be updated after the call The caller must `ldns_rdf_deep_free` it.

Returns a `ldns_status` with an error or `LDNS_STATUS_OK`

*ldns\_rr\_free()* frees an RR structure

**\*rr**: the RR to be freed

Returns void

*ldns\_rr\_print()* Prints the data in the resource record to the given file stream (in presentation format)

**output**: the file stream to print to

**rr**: the resource record to print

Returns void

## 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\_rr*, *ldns\_rr\_list*. And **perldoc Net::DNS, RFC1034, RFC1035, RFC4033, RFC4034** and **RFC4035**.

**REMARKS**

This manpage was automatically generated from the ldns source code.