

NAME

ldns_pkt_new, ldns_pkt_free, ldns_pkt_print, ldns_pkt_query_new, ldns_pkt_query_new_frm_str, ldns_pkt_reply_type - ldns_pkt creation, destruction and printing

SYNOPSIS

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

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

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

```
ldns_pkt* ldns_pkt_new(void);
```

```
void ldns_pkt_free(ldns_pkt *packet);
```

```
void ldns_pkt_print(FILE *output, const ldns_pkt *pkt);
```

```
ldns_pkt* ldns_pkt_query_new(ldns_rdf *rr_name, ldns_rr_type rr_type, ldns_rr_class rr_class, uint16_t flags);
```

```
ldns_status ldns_pkt_query_new_frm_str(ldns_pkt **p, const char *rr_name, ldns_rr_type rr_type, ldns_rr_class rr_class, uint16_t flags);
```

```
ldns_pkt_type ldns_pkt_reply_type(const ldns_pkt *p);
```

DESCRIPTION

ldns_pkt_new() allocates and initializes a ldns_pkt structure.

Returns pointer to the new packet

ldns_pkt_free() frees the packet structure and all data that it contains.

packet: The packet structure to free

Returns void

ldns_pkt_print() Prints the data in the DNS packet to the given file stream (in presentation format)

output: the file stream to print to

pkt: the packet to print

Returns void

ldns_pkt_query_new() creates a packet with a query in it for the given name, type and class.

rr_name: the name to query for (not copied). The returned packet will take ownership of rr_name, so the caller should not free it.

rr_type: the type to query for

rr_class: the class to query for

flags: packet flags

Returns ldns_pkt* a pointer to the new pkt

ldns_pkt_query_new_frm_str() creates a query packet for the given name, type, class.

p: the packet to be returned

rr_name: the name to query for (as string)

rr_type: the type to query for

rr_class: the class to query for

flags: packet flags

Returns LDNS_STATUS_OK or a ldns_status mesg with the error

ldns_pkt_reply_type() looks inside the packet to determine what kind of packet it is, AUTH, NXDOMAIN, REFERRAL, etc.

p: the packet to examine

Returns the type of packet

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

REMARKS

This manpage was automatically generated from the ldns source code.