#### **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 <stdbool.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 peridoc Net::DNS, RFC1034, RFC1035, RFC4033, RFC4034 and RFC4035.

## **REMARKS**

This manpage was automatically generated from the ldns source code.