

**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 [ldns-team@nlnetlabs.nl](mailto:ldns-team@nlnetlabs.nl) or in our bugzilla at <http://www.nlnetlabs.nl/bugs/index.html>

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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.