NAME

ldns_zone, ldns_zone_new, ldns_zone_free, ldns_zone_deep_free, ldns_zone_new_frm_fp, ldns_zone_new_frm_fp_l, ldns_zone_print, ldns_zone_print_fmt - ldns_zone creation, destruction and printing

SYNOPSIS

#include <stdint.h>
#include <stdbool.h>

#include <ldns/ldns.h>

ldns_zone * ldns_zone_new(void);

void ldns_zone_free(ldns_zone *zone);

void ldns_zone_deep_free(ldns_zone *zone);

ldns_status ldns_zone_new_frm_fp(ldns_zone **z, FILE *fp, const ldns_rdf *origin, uint32_t ttl, ldns_rr_class c);

ldns_status ldns_zone_new_frm_fp_l(ldns_zone **z, FILE *fp, const ldns_rdf *origin, uint32_t ttl, ldns_rr_class c, int *line_nr);

void ldns_zone_print(FILE *output, const ldns_zone *z);

void ldns_zone_print_fmt(FILE *output, const ldns_output_format *fmt, const ldns_zone *z);

DESCRIPTION

ldns_zone

DNS Zone

A list of RR's with some
extra information which comes from the SOA RR
Note: nothing has been done to make this efficient (yet).
struct ldns_struct_zone
{
the soa defines a zone:
ldns_rr *_soa;
/* basically a zone is a list of rr's */

```
        ldns_rr_list     *_rrs;
        /* we could change this to be a b-tree etc etc todo */
};
typedef struct ldns_struct_zone ldns_zone;
```

ldns_zone_new() create a new ldns_zone structure
Returns a pointer to a ldns_zone structure

ldns_zone_free() Frees the allocated memory for the zone, and the rr_list structure in it
zone: the zone to free

ldns_zone_deep_free() Frees the allocated memory for the zone, the soa rr in it, and the rr_list structure in it, including the rr's in that. etc.
zone: the zone to free

ldns_zone_new_frm_fp() Create a new zone from a file
z: the new zone
***fp**: the filepointer to use
***origin**: the zones' origin
ttl: default ttl to use
c: default class to use (IN)

Returns ldns_status mesg with an error or LDNS_STATUS_OK

ldns_zone_new_frm_fp_l() Create a new zone from a file, keep track of the line numbering
z: the new zone
***fp**: the filepointer to use
***origin**: the zones' origin
ttl: default ttl to use
c: default class to use (IN)
line_nr: used for error msg, to get to the line number

Returns ldns_status mesg with an error or LDNS_STATUS_OK

ldns_zone_print() Print a zone structure * to output. Note the SOA record is included in this output
output: the fd to print to
z: the zone to print

ldns_zone_print_fmt() Print a zone structure * to output. Note the SOA record is included in this output
output: the fd to print to

fmt: format of the textual representation
z: the zone to print

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

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

REMARKS

This manpage was automatically generated from the ldns source code.