

NAME

`ldns_key_new`, `ldns_key_new_frm_algorithm`, `ldns_key_new_frm_fp`, `ldns_key_new_frm_fp_l`,
`ldns_key_new_frm_fp_rsa`, `ldns_key_new_frm_fp_rsa_l`, `ldns_key_new_frm_fp_dsa`,
`ldns_key_new_frm_fp_dsa_l` - create a `ldns_key`

SYNOPSIS

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

#include <ldns/ldns.h>

ldns_key* ldns_key_new(void);

ldns_key* ldns_key_new_frm_algorithm(ldns_signing_algorithm a, uint16_t size);

ldns_status ldns_key_new_frm_fp(ldns_key **k, FILE *fp);

ldns_status ldns_key_new_frm_fp_l(ldns_key **k, FILE *fp, int *line_nr);

RSA* ldns_key_new_frm_fp_rsa(FILE *fp);

RSA* ldns_key_new_frm_fp_rsa_l(FILE *fp, int *line_nr);

DSA* ldns_key_new_frm_fp_dsa(FILE *fp);

DSA* ldns_key_new_frm_fp_dsa_l(FILE *fp, int *line_nr);
```

DESCRIPTION

ldns_key_new() Creates a new empty key structure
Returns a new `ldns_key *` structure

ldns_key_new_frm_algorithm() Creates a new key based on the algorithm

a: The algorithm to use

size: the number of bytes for the keysize

Returns a new `ldns_key` structure with the key

ldns_key_new_frm_fp() Creates a new priv key based on the contents of the file pointed by `fp`.

The file should be in Private-key-format v1.x.

k: the new `ldns_key` structure

fp: the file pointer to use

Returns an error or `LDNS_STATUS_OK`

ldns_key_new_frm_fp_l() Creates a new private key based on the contents of the file pointed by fp

The file should be in Private-key-format v1.x.

k: the new `ldns_key` structure

fp: the file pointer to use

line_nr: pointer to an integer containing the current line number (for debugging purposes)

Returns an error or `LDNS_STATUS_OK`

ldns_key_new_frm_fp_rsa() `frm_fp` helper function. This function parses the remainder of the (RSA) priv. key file generated from bind9

fp: the file to parse

Returns NULL on failure otherwise a RSA structure

ldns_key_new_frm_fp_rsa_l() `frm_fp` helper function. This function parses the remainder of the (RSA) priv. key file generated from bind9

fp: the file to parse

line_nr: pointer to an integer containing the current line number (for debugging purposes)

Returns NULL on failure otherwise a RSA structure

ldns_key_new_frm_fp_dsa() `frm_fp` helper function. This function parses the remainder of the (DSA) priv. key file

fp: the file to parse

Returns NULL on failure otherwise a RSA structure

ldns_key_new_frm_fp_dsa_l() `frm_fp` helper function. This function parses the remainder of the (DSA) priv. key file

fp: the file to parse

line_nr: pointer to an integer containing the current line number (for debugging purposes)

Returns NULL on failure otherwise a RSA structure

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

REMARKS

This manpage was automatically generated from the ldns source code.