

NAME

ldns_verify, ldns_verify_rrsig, ldns_verify_rrsig_keylist, ldns_verify_rrsig_keylist_notime, ldns_verify_notime - verify rrsigs

SYNOPSIS

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

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

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

```
ldns_status ldns_verify(ldns_rr_list *rrset, ldns_rr_list *rrsig, const ldns_rr_list *keys, ldns_rr_list *good_keys);
```

```
ldns_status ldns_verify_rrsig(ldns_rr_list *rrset, ldns_rr *rrsig, ldns_rr *key);
```

```
ldns_status ldns_verify_rrsig_keylist(ldns_rr_list *rrset, ldns_rr *rrsig, const ldns_rr_list *keys, ldns_rr_list *good_keys);
```

```
ldns_status ldns_verify_rrsig_keylist_notime(const ldns_rr_list *rrset, const ldns_rr *rrsig, const ldns_rr_list *keys, ldns_rr_list *good_keys);
```

```
ldns_status ldns_verify_notime(ldns_rr_list *rrset, ldns_rr_list *rrsig, const ldns_rr_list *keys, ldns_rr_list *good_keys);
```

DESCRIPTION

ldns_verify() Verifies a list of signatures for one rrset.

rrset: the rrset to verify

rrsig: a list of signatures to check

keys: a list of keys to check with

good_keys: if this is a (initialized) list, the pointer to keys from keys that validate one of the signatures are added to it

Returns status LDNS_STATUS_OK if there is at least one correct key

ldns_verify_rrsig() verify an rrsig with 1 key

rrset: the rrset

rrsig: the rrsig to verify

key: the key to use

Returns status message whether verification succeeded.

ldns_verify_rrsig_keylist() Verifies an rrsig. All keys in the keyset are tried.

rrset: the rrset to check

rrsig: the signature of the rrset

keys: the keys to try

good_keys: if this is a (initialized) list, the pointer to keys from keys that validate one of the signatures are added to it

Returns a list of keys which validate the rrsig + rrset. Returns status LDNS_STATUS_OK if at least one key matched. Else an error.

ldns_verify_rrsig_keylist_notime() Verifies an rrsig. All keys in the keyset are tried. Time is not checked.

rrset: the rrset to check

rrsig: the signature of the rrset

keys: the keys to try

good_keys: if this is a (initialized) list, the pointer to keys from keys that validate one of the signatures are added to it

Returns a list of keys which validate the rrsig + rrset. Returns status LDNS_STATUS_OK if at least one key matched. Else an error.

ldns_verify_notime() Verifies a list of signatures for one rrset, but disregard the time. Inception and Expiration are not checked.

rrset: the rrset to verify

rrsig: a list of signatures to check

keys: a list of keys to check with

good_keys: if this is a (initialized) list, the pointer to keys from keys that validate one of the signatures are added to it

Returns status LDNS_STATUS_OK if there is at least one correct key

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_verify_rrsig_evp, *ldns_verify_rrsig_dsa*, *ldns_verify_rrsig_rsasha1*, *ldns_verify_rrsig_rsamd5*, *ldns_sign_public*, *ldns_zone_sign*, *ldns_key*. And **perldoc Net::DNS**, **RFC1034**, **RFC1035**, **RFC4033**, **RFC4034** and **RFC4035**.

REMARKS

This manpage was automatically generated from the ldns source code.