

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

## COPYRIGHT

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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.