

**NAME**

ldns\_dnssec\_name\_new, ldns\_dnssec\_name\_new\_frm\_rr, ldns\_dnssec\_name\_free,  
ldns\_dnssec\_name\_name, ldns\_dnssec\_name\_set\_name, ldns\_dnssec\_name\_set\_nsec,  
ldns\_dnssec\_name\_cmp, ldns\_dnssec\_name\_add\_rr, ldns\_dnssec\_name\_find\_rrset,  
ldns\_dnssec\_name\_print - functions for ldns\_dnssec\_name

**SYNOPSIS**

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

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

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

```
ldns_dnssec_name* ldns_dnssec_name_new(void);
```

```
ldns_dnssec_name* ldns_dnssec_name_new_frm_rr(ldns_rr *rr);
```

```
void ldns_dnssec_name_free(ldns_dnssec_name *name);
```

```
ldns_rdf* ldns_dnssec_name_name(const ldns_dnssec_name *name);
```

```
void ldns_dnssec_name_set_name(ldns_dnssec_name *name, ldns_rdf *dname);
```

```
void ldns_dnssec_name_set_nsec(ldns_dnssec_name *name, ldns_rr *nsec);
```

```
int ldns_dnssec_name_cmp(const void *a, const void *b);
```

```
ldns_status ldns_dnssec_name_add_rr(ldns_dnssec_name *name, ldns_rr *rr);
```

```
ldns_dnssec_rrsets* ldns_dnssec_name_find_rrset(const ldns_dnssec_name *name, ldns_rr_type type);
```

```
void ldns_dnssec_name_print(FILE *out, const ldns_dnssec_name *name);
```

**DESCRIPTION**

*ldns\_dnssec\_name\_new()* Create a new data structure for a dnssec name  
Returns the allocated structure

*ldns\_dnssec\_name\_new\_frm\_rr()* Create a new data structure for a dnssec name for the given RR

**rr**: the RR to derive properties from, and to add to the name

*ldns\_dnssec\_name\_free()* Frees the name structure and its rrs and rrsets. Individual *ldns\_rr* records therein are not freed

**name:** the structure to free

*ldns\_dnssec\_name\_name()* Returns the domain name of the given *dnssec\_name* structure

**name:** the dnssec name to get the domain name from  
Returns the domain name

*ldns\_dnssec\_name\_set\_name()* Sets the domain name of the given *dnssec\_name* structure

**name:** the dnssec name to set the domain name of  
**dname:** the domain name to set it to. This data is *\*not\** copied.

*ldns\_dnssec\_name\_set\_nsec()* Sets the NSEC(3) RR of the given *dnssec\_name* structure

**name:** the dnssec name to set the domain name of  
**nsec:** the nsec rr to set it to. This data is *\*not\** copied.

*ldns\_dnssec\_name\_cmp()* Compares the domain names of the two arguments in their canonical ordering.

**a:** The first *dnssec\_name* to compare  
**b:** The second *dnssec\_name* to compare  
Returns -1 if the domain name of a comes before that of b in canonical ordering, 1 if it is the other way around, and 0 if they are equal

*ldns\_dnssec\_name\_add\_rr()* Inserts the given rr at the right place in the current *dnssec\_name* No checking is done whether the name matches

**name:** The *ldns\_dnssec\_name* to add the RR to  
**rr:** The RR to add  
Returns *LDNS\_STATUS\_OK* on success, error code otherwise

*ldns\_dnssec\_name\_find\_rrset()* Find the RRset with the given type in within this name structure

**name:** the name to find the RRset in  
**type:** the type of the RRset to find  
Returns the RRset, or NULL if not present

*ldns\_dnssec\_name\_print()* Prints the RRs in the `dnssec` name structure to the given file descriptor

**out:** the file descriptor to print to

**name:** the name structure to print the contents of

## AUTHOR

The ldns team at NLnet Labs.

## REPORTING BUGS

Please report bugs to [dns-team@nlnetlabs.nl](mailto:dns-team@nlnetlabs.nl) or on GitHub at <https://github.com/NLnetLabs/ldns/issues>

## COPYRIGHT

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## SEE ALSO

*ldns\_dnssec\_zone*. And **perldoc Net::DNS**, **RFC1034**, **RFC1035**, **RFC4033**, **RFC4034** and **RFC4035**.

## REMARKS

This manpage was automatically generated from the ldns source code.