



## ***Linux Ubuntu 22.4.5 Manual Pages on command 'Net::DNS::RR::NSEC.3pm'***

***\$ man Net::DNS::RR::NSEC.3pm***

Net::DNS::RR::NSEC(3pm) User Contributed Perl Documentation Net::DNS::RR::NSEC(3pm)

### NAME

Net::DNS::RR::NSEC - DNS NSEC resource record

### SYNOPSIS

```
use Net::DNS;
```

```
$rr = new Net::DNS::RR( 'name NSEC nxdname typelist' );
```

### DESCRIPTION

Class for DNSSEC NSEC resource records.

### METHODS

The available methods are those inherited from the base class augmented by the type-specific methods defined in this package.

Use of undocumented package features or direct access to internal data structures is discouraged and could result in program termination or other unpredictable behaviour.

#### nxdname

```
$nxdname = $rr->nxdname;
```

```
$rr->nxdname( $nxdname );
```

The Next Domain field contains the next owner name (in the canonical ordering of the zone) that has authoritative data or contains a delegation point NS RRset.

#### typelist

```
@typelist = $rr->typelist;
```

```
$typelist = $rr->typelist;
```

typelist() identifies the RRset types that exist at the NSEC RR owner name. When called in scalar context, the list is interpolated into a string.

#### typemap

```
$exists = $rr->typemap($rrtype);
```

typemap() returns a Boolean true value if the specified RRtype occurs in the type bitmap of the NSEC record.

#### match

```
$matched = $rr->match( 'example.foo' );
```

match() returns a Boolean true value if the canonical form of the name argument matches the canonical owner name of the NSEC RR.

#### covers

```
$covered = $rr->covers( 'example.foo' );
```

covers() returns a Boolean true value if the canonical form of the name, or one of its ancestors, falls between the owner name and the nxdname field of the NSEC record.

#### encloser, nextcloser, wildcard

```
$encloser = $rr->encloser( 'example.foo' );
```

```
print "encloser: $encloser\n" if $encloser;
```

encloser() returns the name of a provable encloser of the query name argument obtained from the NSEC RR.

nextcloser() returns the next closer name, which is one label longer than the closest encloser. This is only valid after encloser() has returned a valid domain name.

wildcard() returns the unexpanded wildcard name from which the next closer name was possibly synthesised. This is only valid after encloser() has returned a valid domain name.

#### COPYRIGHT

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SEE ALSO

perl, Net::DNS, Net::DNS::RR, RFC4034, RFC3755

perl v5.30.0

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