

**NAME**

Net::DNS::Resolver::Recurse – DNS recursive resolver

**SYNOPSIS**

```
use Net::DNS::Resolver::Recurse;

$resolver = new Net::DNS::Resolver::Recurse();

$packet = $resolver->query ( 'www.example.com', 'A' );
$packet = $resolver->search( 'www.example.com', 'A' );
$packet = $resolver->send  ( 'www.example.com', 'A' );
```

**DESCRIPTION**

This module is a subclass of Net::DNS::Resolver.

**METHODS**

This module inherits almost all the methods from Net::DNS::Resolver. Additional module-specific methods are described below.

**hints**

This method specifies a list of the IP addresses of nameservers to be used to discover the addresses of the root nameservers.

```
$resolver->hints(@ip);
```

If no hints are passed, the priming query is directed to nameservers drawn from a built-in list of IP addresses.

**query, search, send**

The **query()**, **search()** and **send()** methods produce the same result as their counterparts in Net::DNS::Resolver.

```
$packet = $resolver->send( 'www.example.com.', 'A' );
```

Server-side recursion is suppressed by clearing the recurse flag in query packets and recursive name resolution is performed explicitly.

The **query()** and **search()** methods are inherited from Net::DNS::Resolver and invoke **send()** indirectly.

**callback**

This method specifies a code reference to a subroutine, which is then invoked at each stage of the recursive lookup.

For example to emulate dig's `+trace` function:

```
my $coderef = sub {
    my $packet = shift;

    printf ";; Received %d bytes from %s\n\n",
        $packet->answersize, $packet->answerfrom;
};

$resolver->callback($coderef);
```

The callback subroutine is not called for queries for missing glue records.

**ACKNOWLEDGEMENT**

This package is an improved and compatible reimplementaion of the Net::DNS::Resolver::Recurse.pm created by Rob Brown in 2002, whose contribution is gratefully acknowledged.

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## **SEE ALSO**

Net::DNS::Resolver