TREX is making two IPv4 resolvers and two IPv6 resolvers available to Finnish end users. Resolvers are recursive DNS servers used by web browsers and other programs to map hostnames to numeric addresses and vice versa.

Windows users can manually configure name servers from the network settings window and add the below addresses into the list. If you are using some other operating system and you are having problems with your current name servers, try adding these lines into your /etc/resolv.conf:

```
nameserver 2001:67c:2b0::1
nameserver 2001:67c:2b0::2
nameserver 195.140.195.21
nameserver 195.140.195.22
```

There are several aliases for the resolvers to help remember their addresses:

```
dns.trex.fi.            IN A            195.140.195.21
                        IN A            195.140.195.22
                        IN AAAA         2001:67c:2b0::1
                        IN AAAA         2001:67c:2b0::2
```

## Supported Features

One of the recursors is running **Unbound**[1] and the other recursor is running **Bind 9**[2]. Both recursors support EDNS and large query sizes as well as TCP connections. They also support DNSSEC and will validate responses if the query flags so specify.

[1] http://unbound.net/
[2] http://www.isc.org/software/bind

## Special Zones

The recursors only serve standard DNS information, as defined by **ICANN**[3] and **IANA**[4]. They do not serve any special Top Level Domains and there are no altered responses, except as required by DNSSEC.

Both servers have been enabled for **Google IPv6 Service**[5]. The recursors also function as official **AS112** servers, and can thus serve those zones locally.

## Acceptable Usage Policy

The servers are made available as is. Their main intended userbase is Finland. We reserve the right to deny this service if we uncover abuse or malicious activities. The maximum acceptable rate of queries to the recursive name servers from a single network is one hundred queries per second or 100q/s. If you have any problems with this service, please contact our hostmaster. The email address conforms to **RFC2142**[6].

[3] http://www.icann.org/
[4] http://www.iana.org/
[5] http://www.google.com/ipv6
[6] http://tools.ietf.org/html/rfc2142