

# DNS: Recursive DNS

## Option 1: Unbound

```
$ apt install unbound
```

Recursive DNS can sometimes sacrifice speed for security so the `unbound` server is going to be limited to only serve DNS requests from loopback addresses. Everyone else will have to go through a DNS caching server (*dnsmasq*) that I'll setup later to perform DNS queries.

```
# /etc/unbound/unbound.conf.d/local.conf
+ server:
+   interface: 127.0.0.1
+   interface: ::1
+   access-control: 127.0.0.1 allow
+   access-control: ::1 allow
```

```
$ systemctl restart unbound
```

## Option 2: Public Recursive Name Server

I don't have to do anything since [dnsmasq](#) will be setup to query a public recursive DNS server like *Cloudflare's* `1.1.1.1` and `1.0.0.1`.

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