For example we are using dsctux.net

**Delegation Step**
Record host names `ns1.dsctux.net` and `ns2.dsctux.net` and assigned IP Addresses to them. Applied name servers using fully qualified domain name.

**Authoritative name servers** (master and slave)

**ZONE FILE**

![Diagram](image)

Zone file is located inside of the master server. Slave asks for a zone transfer from the master server. Editing for server is done in `named.conf.local` fond in `/etc/bind`. Errors will say they are in named.conf, they are probably in named.conf.local **DO NOT EDIT CONTENTS OF named.conf.**

**Editing Master**
First we specify the zone name then we specify master or slave.
When you enter the zone location, enter absolute path so named can be found.
Zone location "/etc/bind/db.dsctux.net";
Allow transfer `{144.38.214.3; localhost;};` slave IP
Notify yes; tells the slave to update on changes
allow-query {any;}; allow any location to ask for a translation

$TTL 3600 ; time to live 1 hour (**measured in seconds while configuring set to 1 minute, 60**)  

IN short for internet
SOA start of authority
ns1.dsctux.net. (**do not forget the dot at the end**)  

In the zone file ; means comment.
Serial number in zone file must increase each time it is edited. This is how the slave knows to update.

Parameters in zone file
Serial number
Refresh  (every hour ask me if my serial number has changed)
Retry    (if you checked and got a negative hit, it will wait this long to retry)
Expire   (if info hasn’t been updated in this amount of time forget it)
Negative Cache TTL

**Editing Slave**
in the slave file the zone file location is not absolute, it is relative The file is not located on this server so it will not be found if this path is absolute.
Set notify to NO

If you have an error use the tail command in log.  var log daemon.log will give you the last 20 lines so you can find the error. **Remember it is not in named.conf  try named.conf.local.**