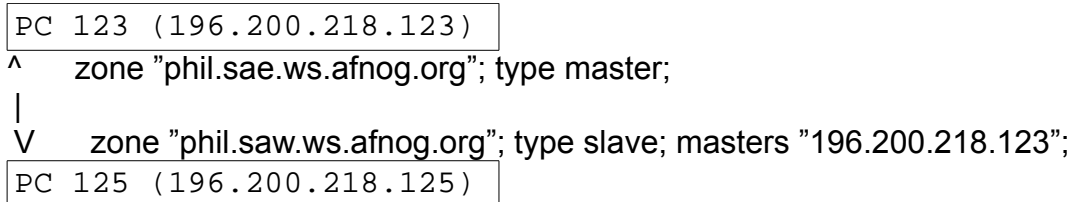## Followup to the exercise on DNS delegation.

Concept: you want to create a zone of *your* choice, let's say: "**phil**.sae.ws.afnog.org".

The idea is that YOUR machine will be the MASTER nameserver for this zone, and then you will pick a partner which will be SLAVE for the *same* zone as well ("mirroring").

Let's say you have PC123 and you want PC125 to be SLAVE.
Illustration:

```
PC 123 (196.200.218.123)
 ^     zone "phil.sae.ws.afnog.org"; type master;
 |
 V     zone "phil.saw.ws.afnog.org"; type slave; masters "196.200.218.123";
PC 125 (196.200.218.125)
```

How to achieve this ?

1.  On the MASTER machine (PC123) create the zone in **/etc/namedb/named.conf**:

```
zone "phil.sae.ws.afnog.org" {
     type master; file "master/phil.sae.ws.afnog.org";
};
```

... and restart the master server (**CHECK** /var/log/messages for errors and **VERIFY** that the name server has started using "ps ax | grep named")

2.  **TEST** that it works using "dig":

```
     dig @pc123 soa phil.sae.ws.afnog.org
```
or
```
     dig @196.200.218.123
```

3.  Tell your partner to setup SLAVE service for *your* zone on their machine, by adding the following to THEIR /etc/namedb/named.conf:

```
zone "phil.sae.ws.afnog.org" {
     type slave; file "slave/phil.sae.ws.afnog.org";
     masters { 196.200.218.123; };
};
```

... and restart the slave server (**CHECK** /var/log/messages for errors and **VERIFY** that the name server has started using "ps ax | grep named")

4.  **TEST** that it works using "dig":

     dig **@pc125** soa phil.sae.ws.afnog.org
or
     dig @196.200.218.**125** soa phil.sae.ws.afnog.org

5. **ASK** for delegation to the hostmaster for "sae.ws.afnog.org", indicating on the paper:

| PC# | ZONENAME | MASTER SERVER | SLAVE SERVER |
|---|---|---|---|