BIND DNS MASTER SLAVE

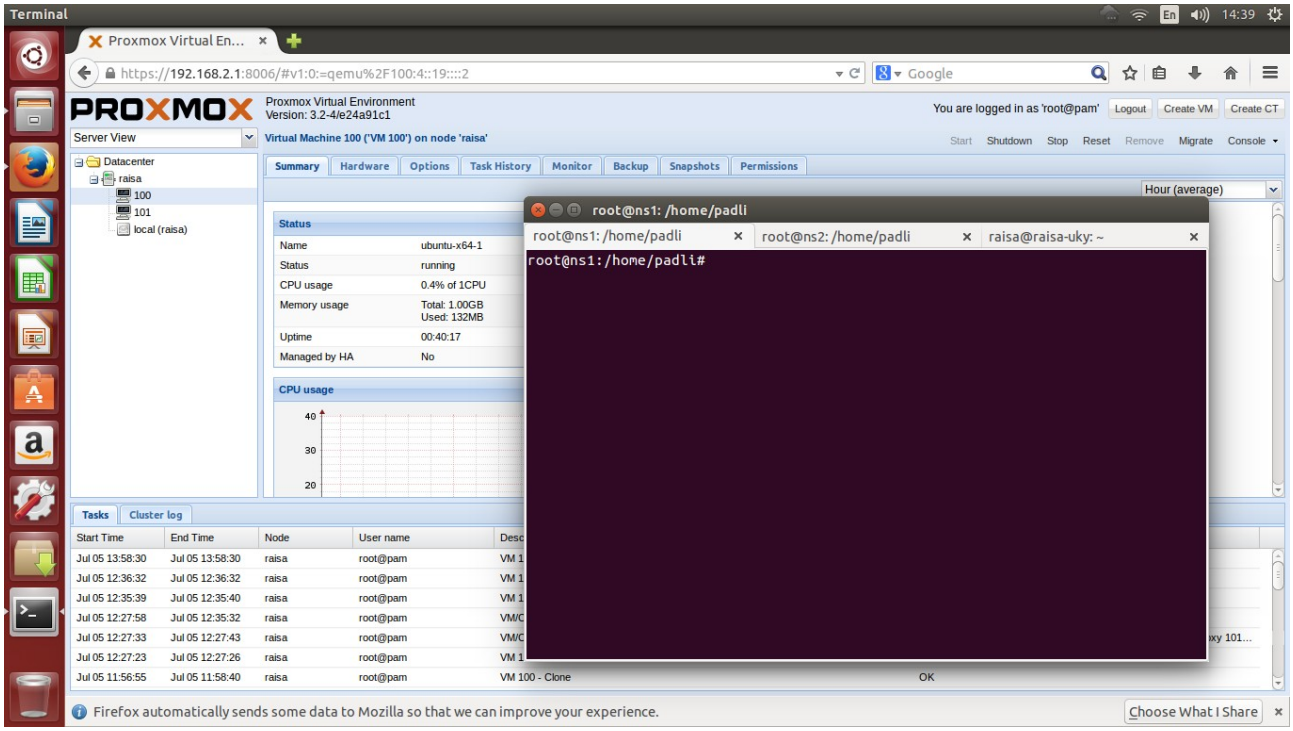
Note :

Gateway & web server : 192.168.2.5

PROXMOX VM : Ubuntu server x64 (192.168.2.10)

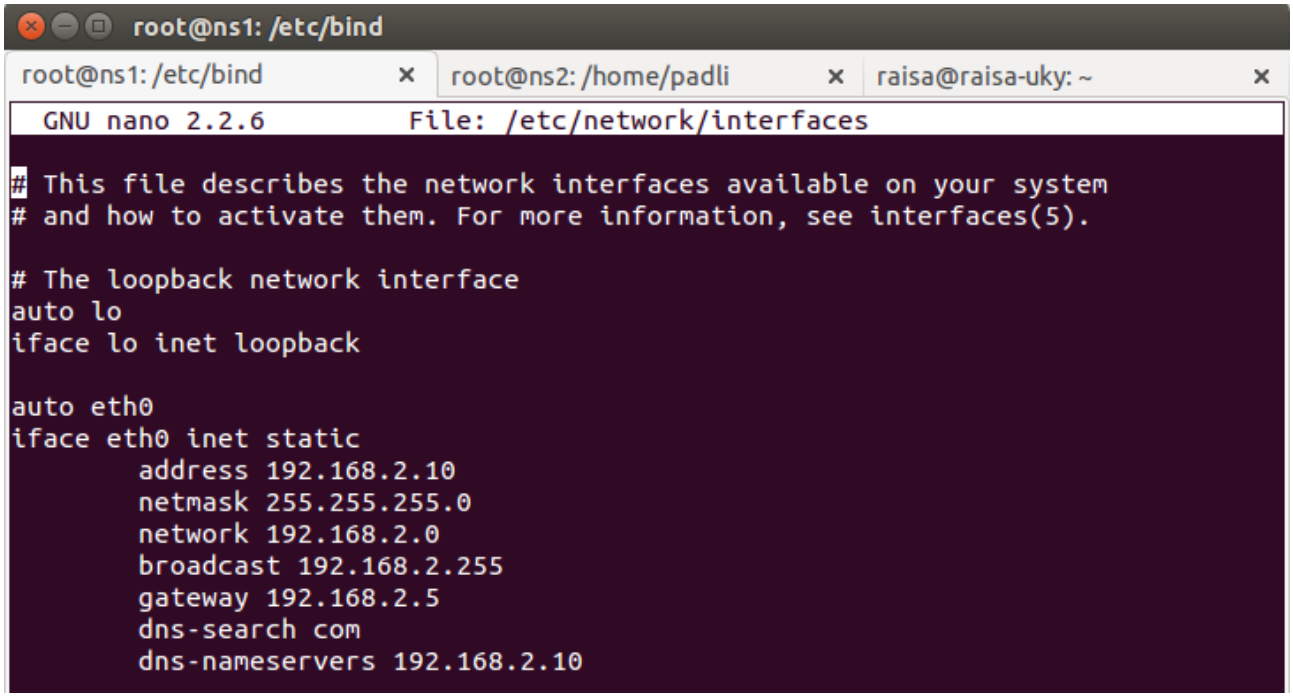
Ubuntu server x64 (192.168.2.11)

Client : 192.168.2.21

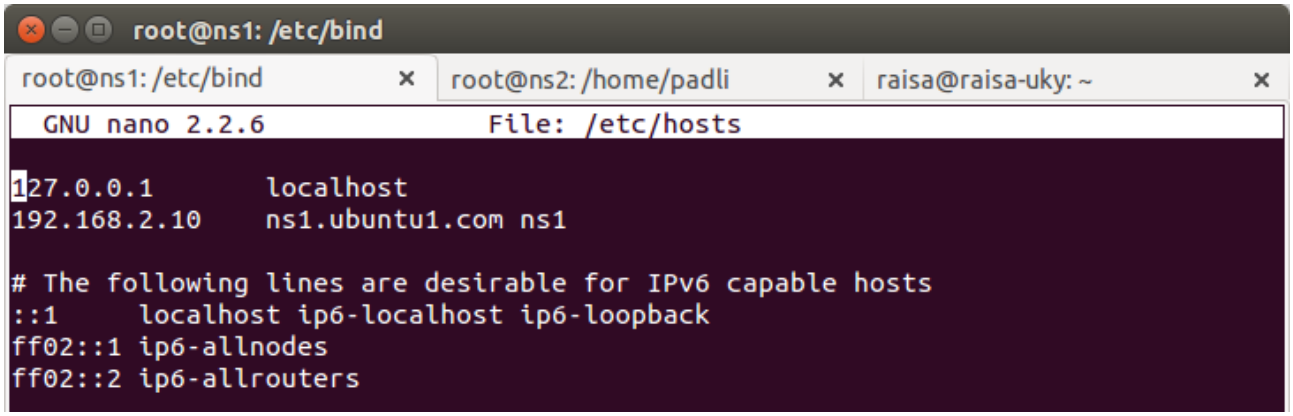


MASTER NS1

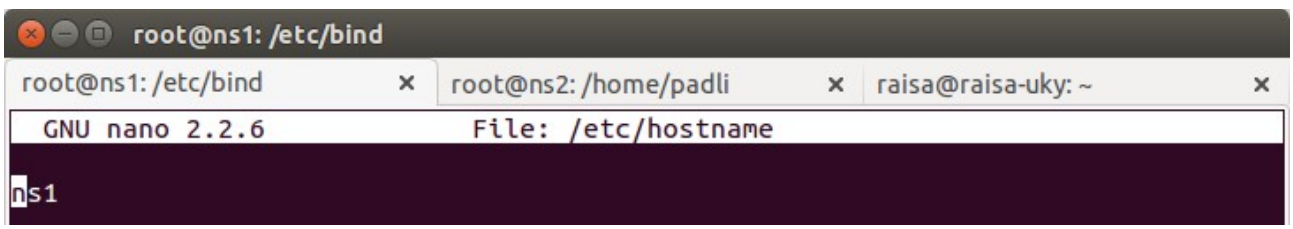
1. Set ip “nano /etc/network/interface”.



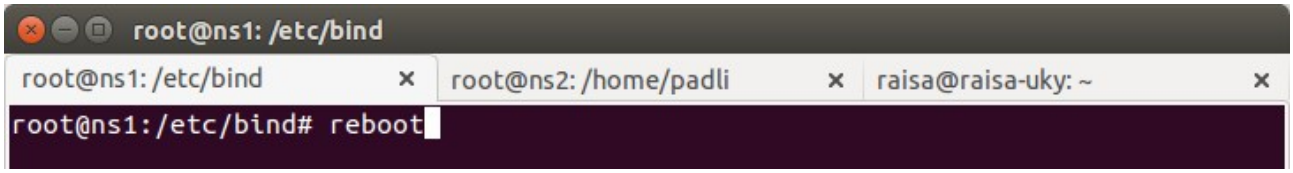
2. Set “nano /etc/hosts”.



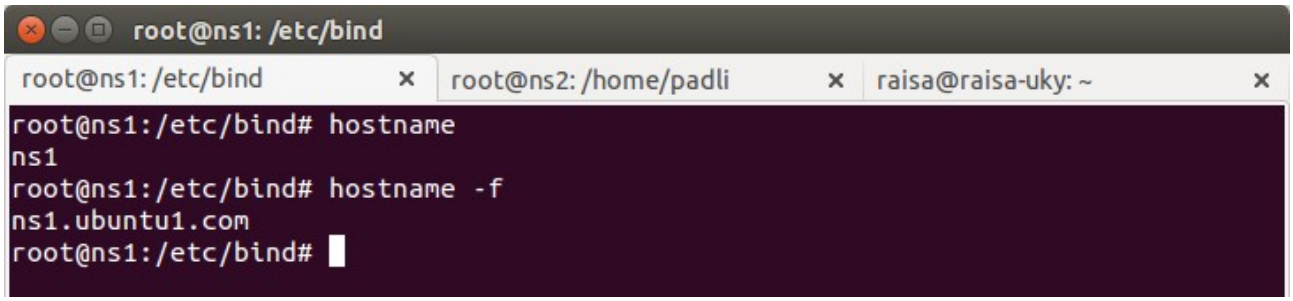
3. Set “nano /etc/hostname”.



4. Restart.

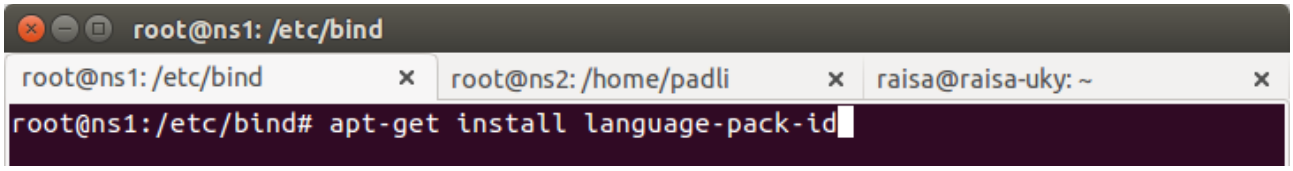


5. Cek hostname.

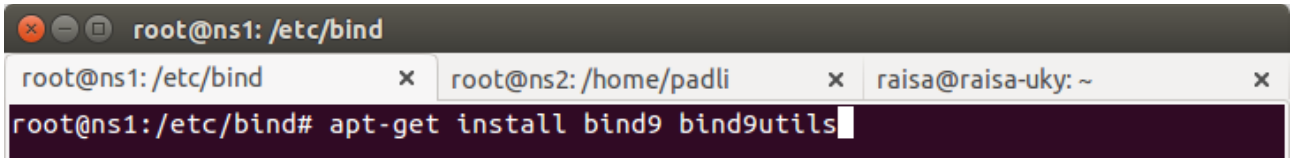


6. Update.

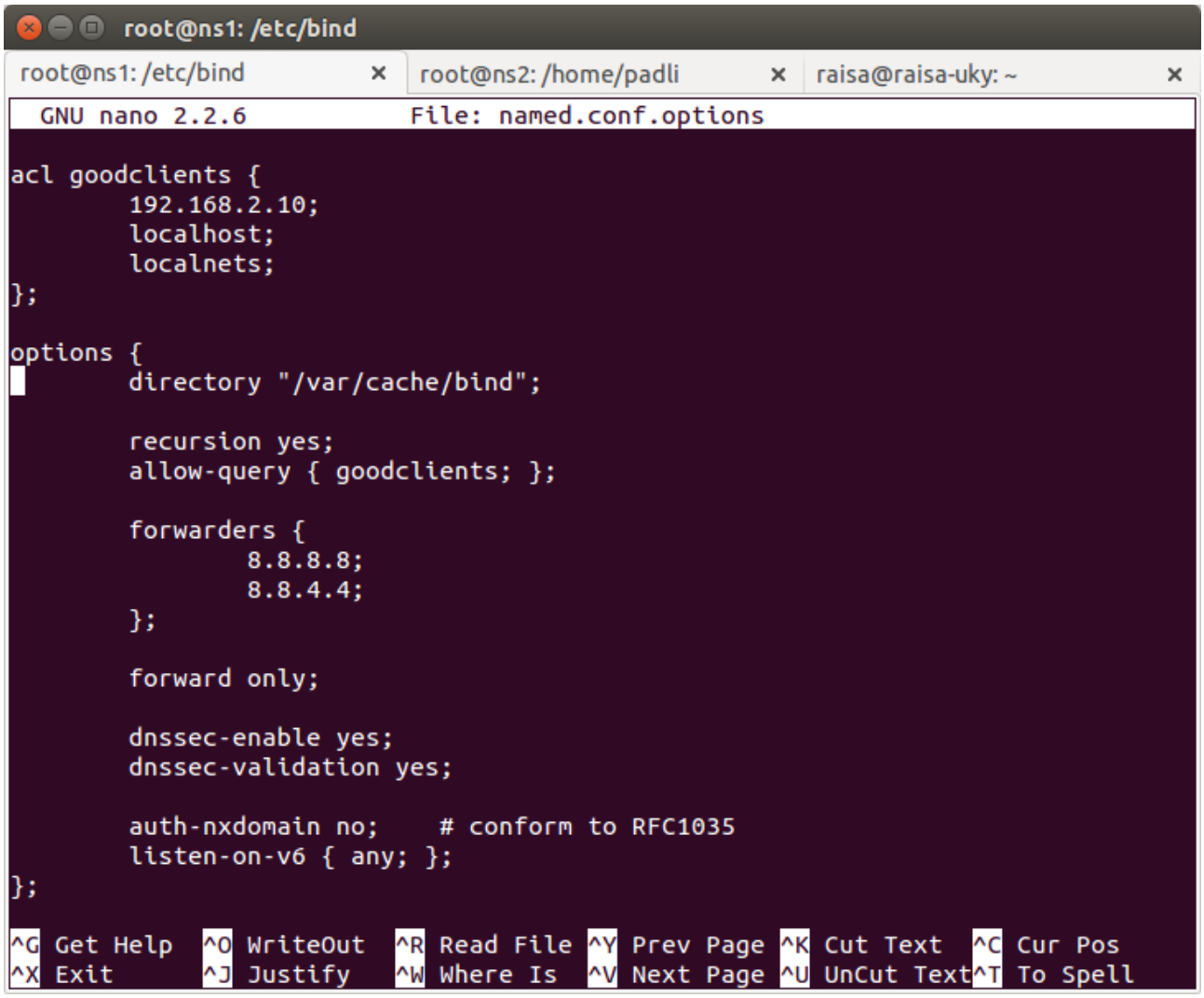
7. Install lp.



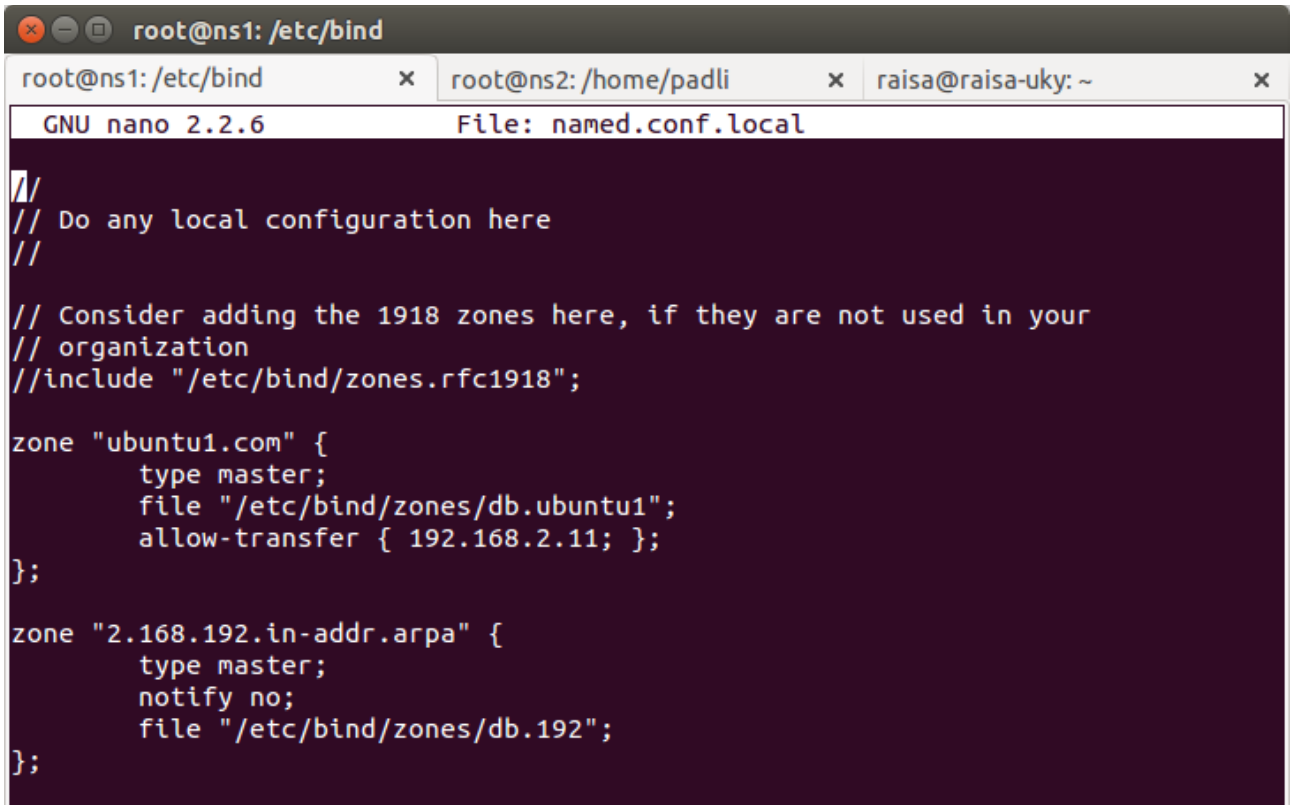
8. Install bind.



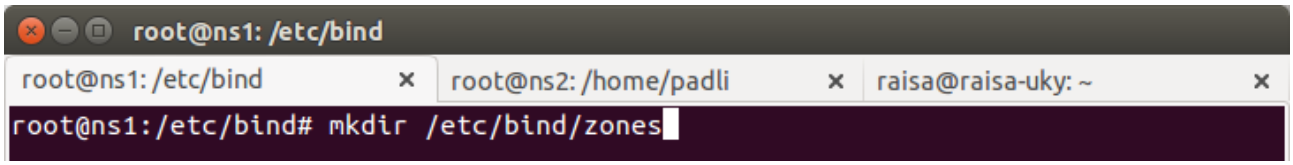
9. Set “nano /etc/bind/named.conf.options”.



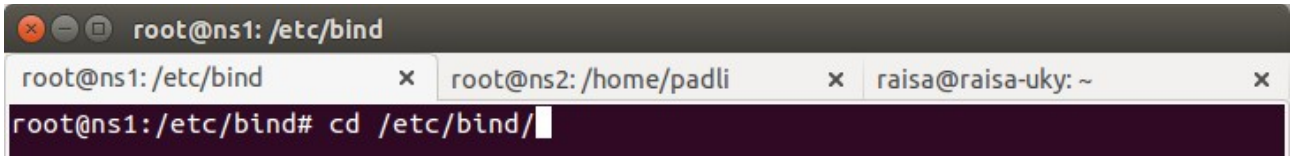
10. Set “nano /etc/bind/named.conf.local”.



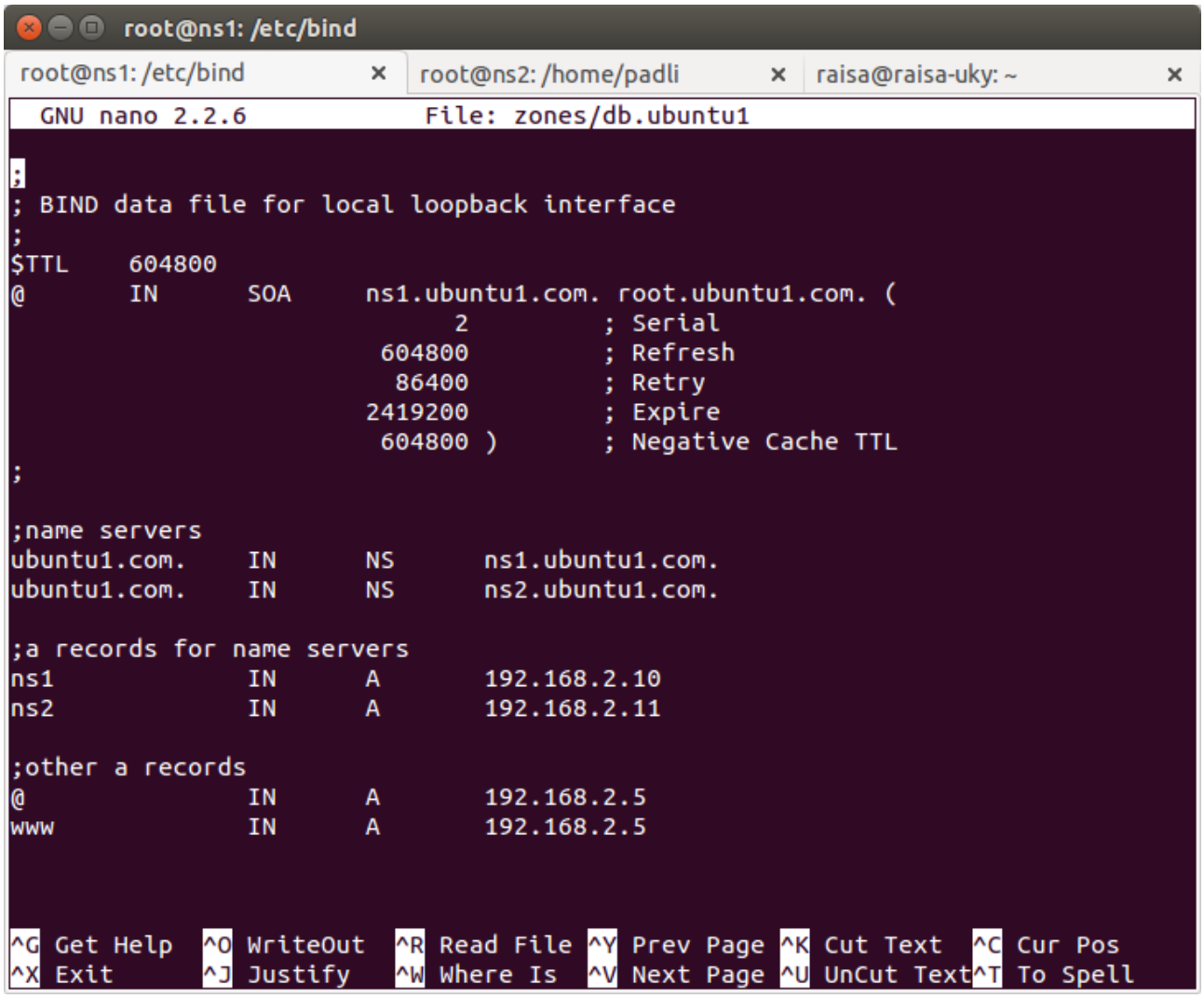
11. Make dir.



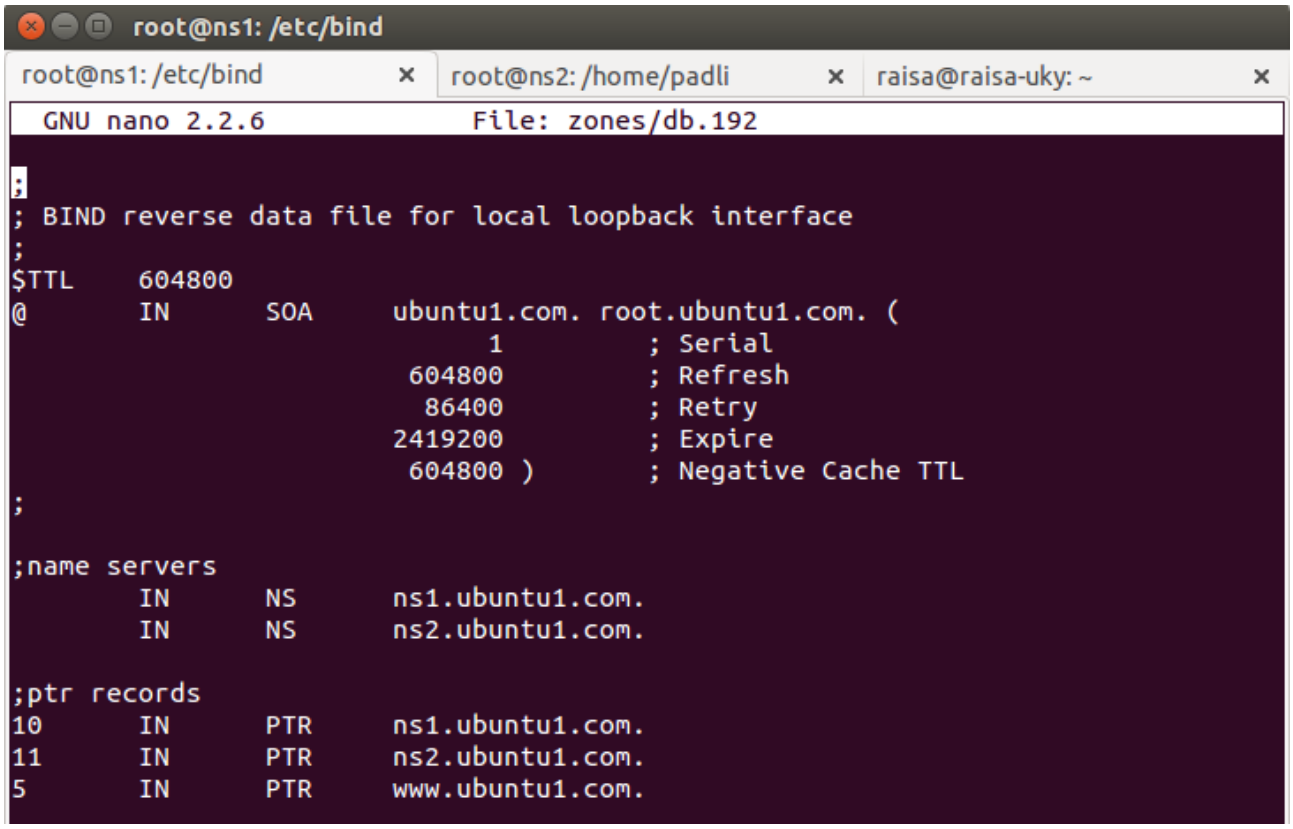
12. Change dir.



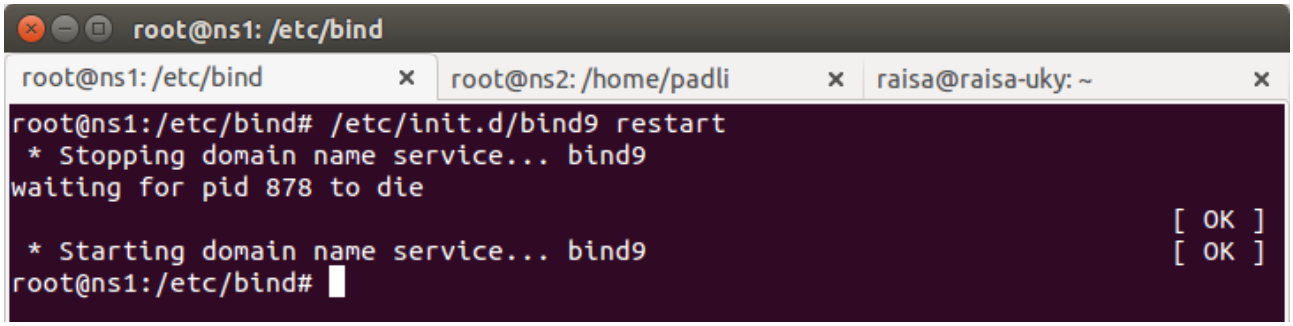
13. Make file “nano /etc/bind/zones/db.ubuntu1.com”.



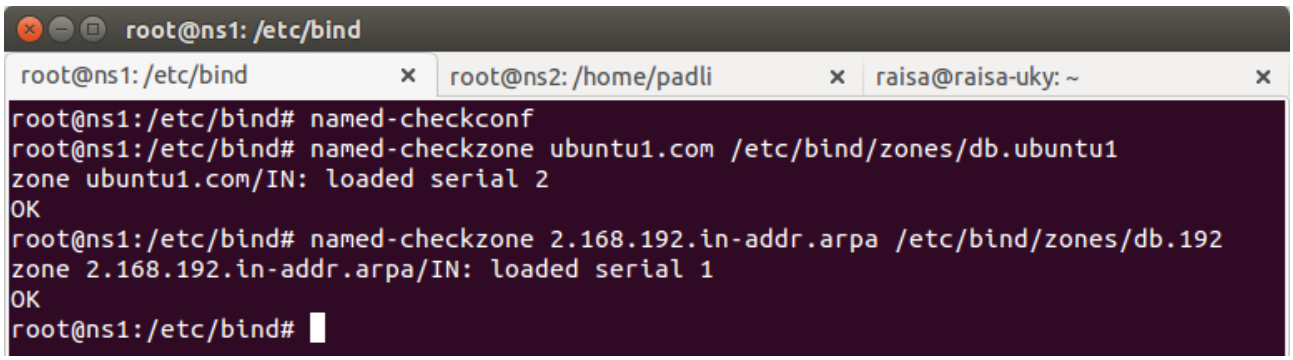
14. Make file “nano /etc/bind/zones/db.192”.



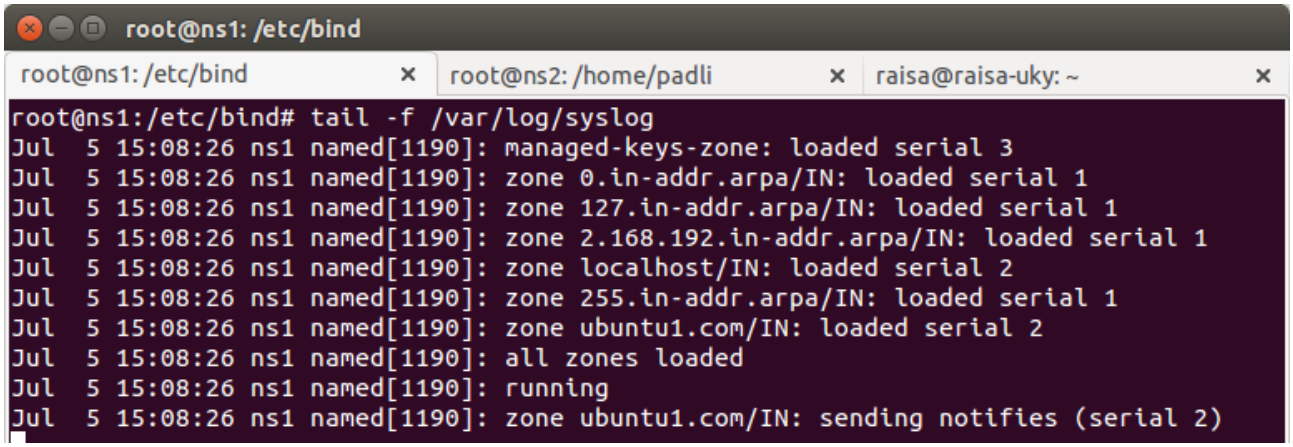
15. Restart service bind.



16. Tes config.

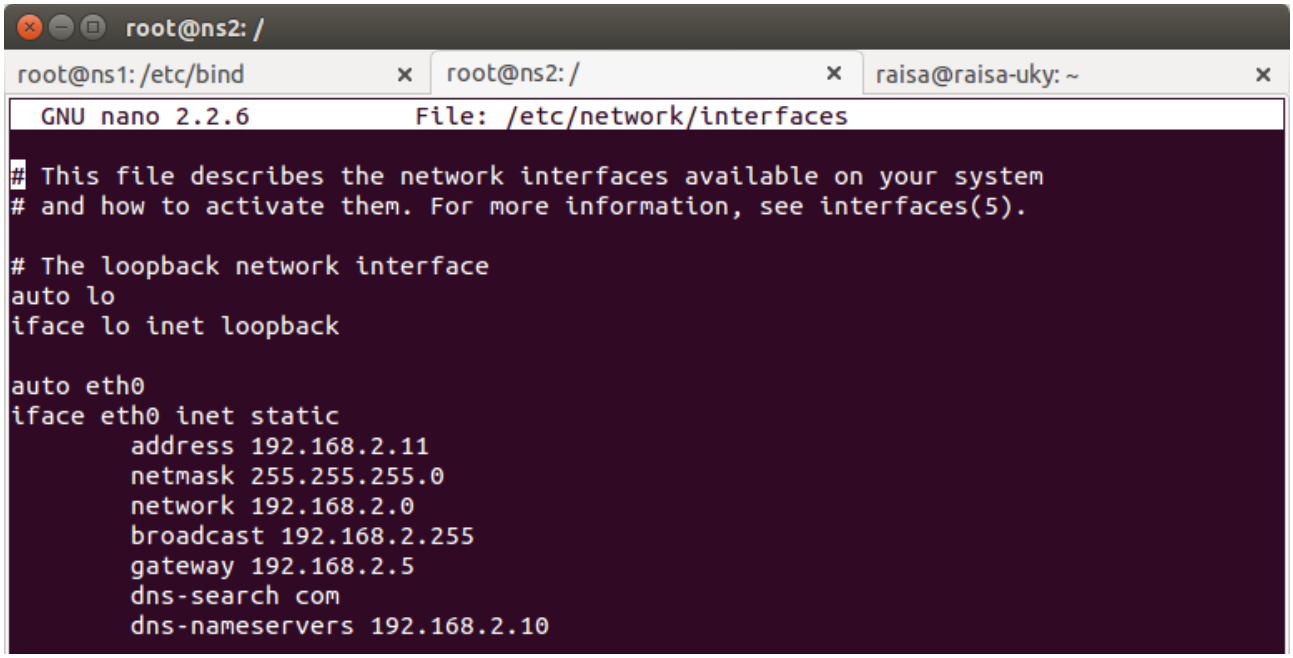


17. Cek log.

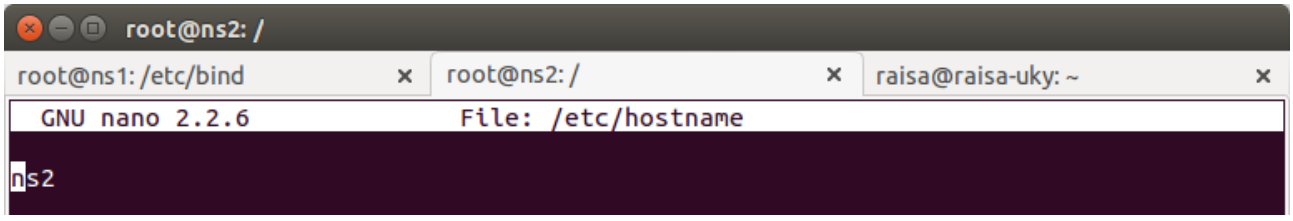


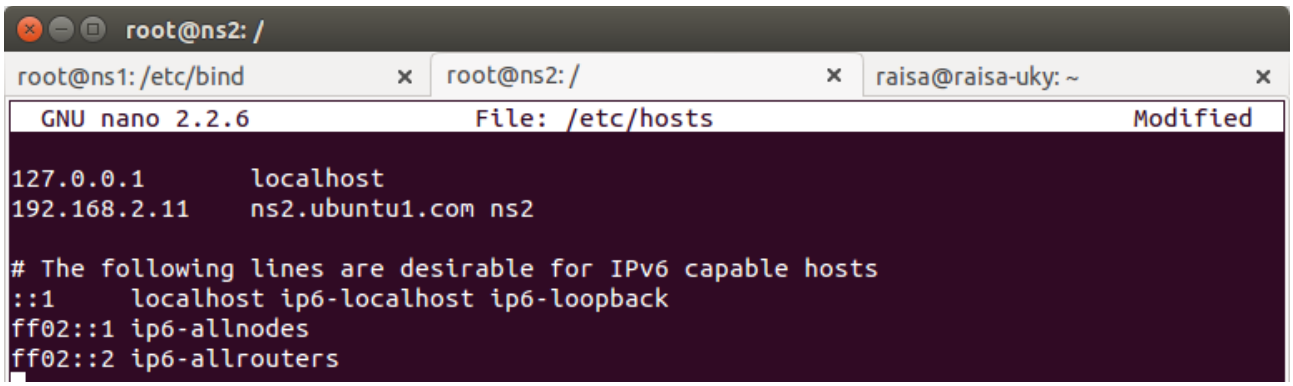
SLAVE NS2

18. Set ip “nano /etc/network/interface”.

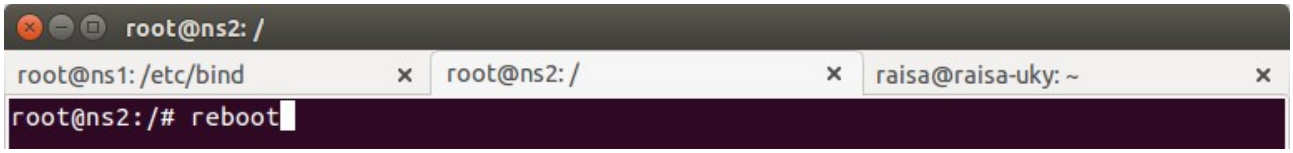


19. Set “nano /etc/hostname” & “nano /etc/hosts”.

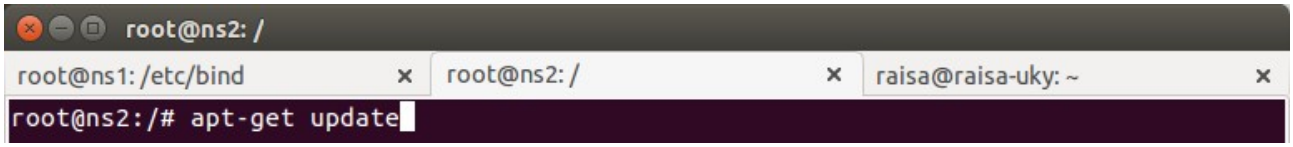




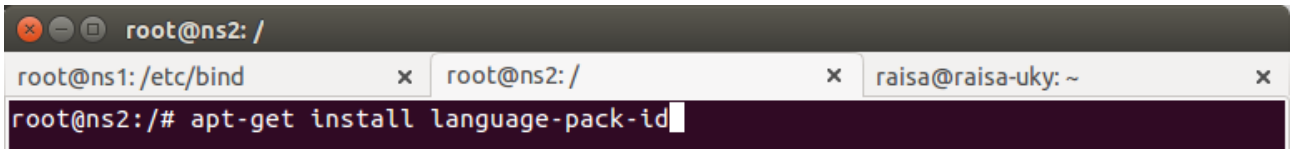
20. Restart.



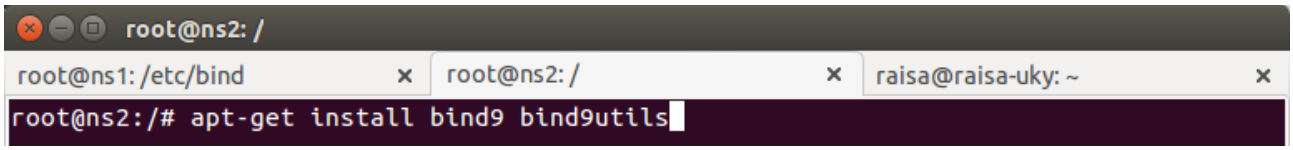
21. Update.



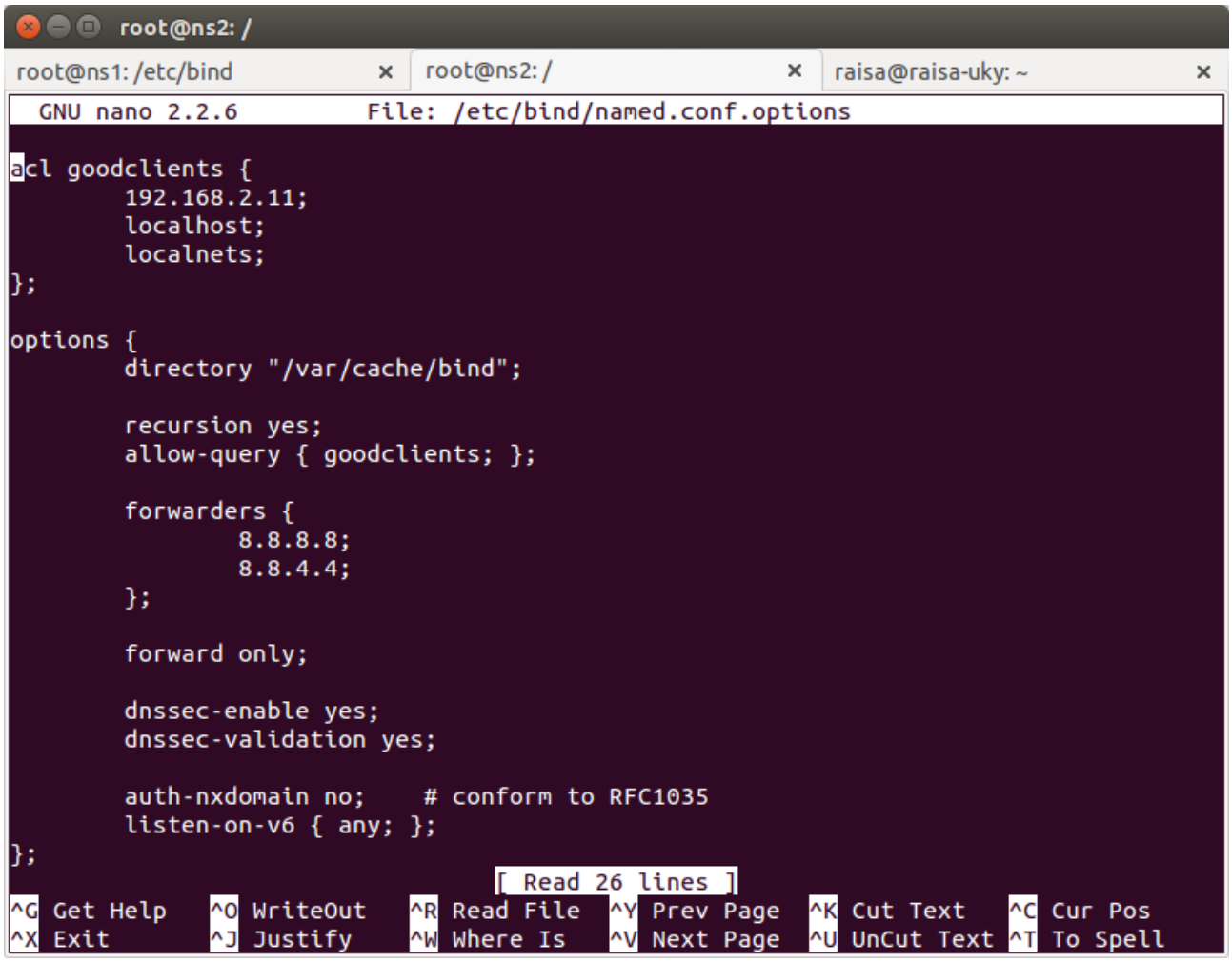
22. Install lp.



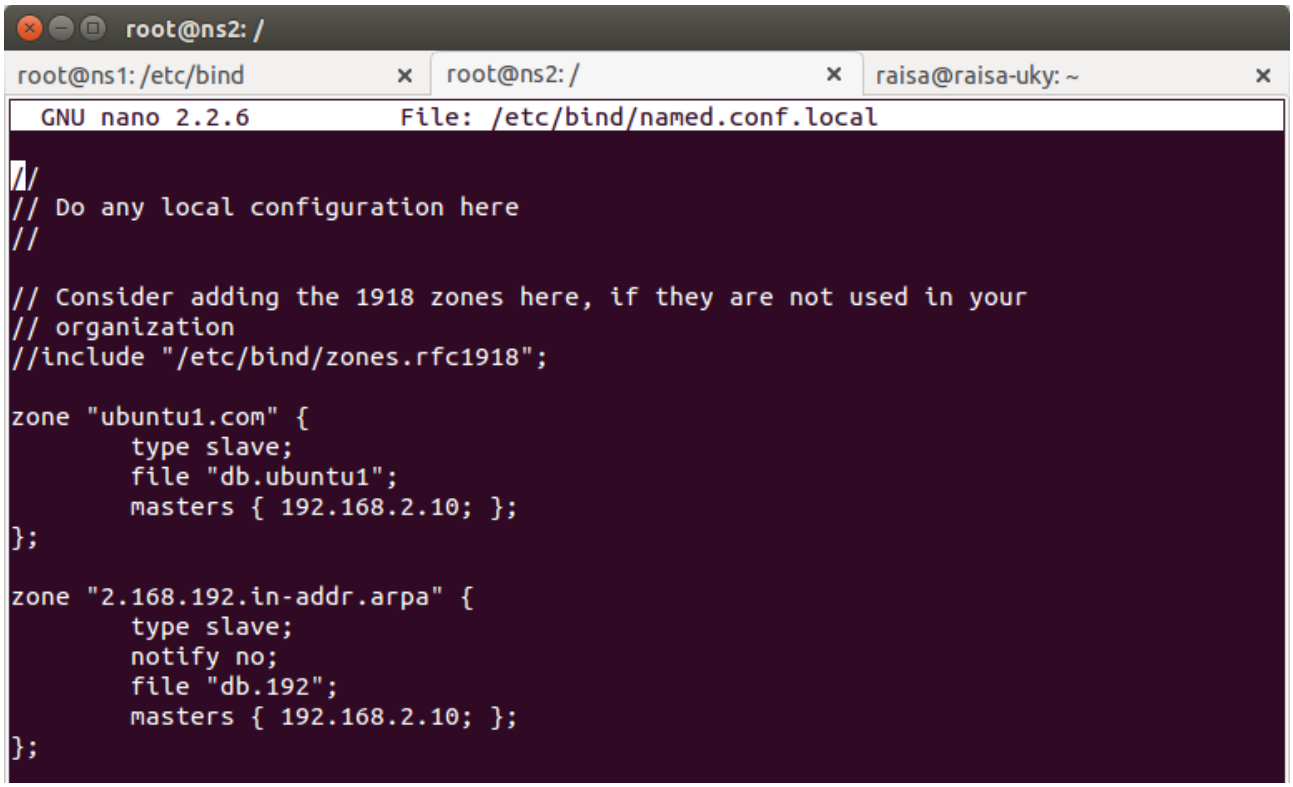
23. Install bind.



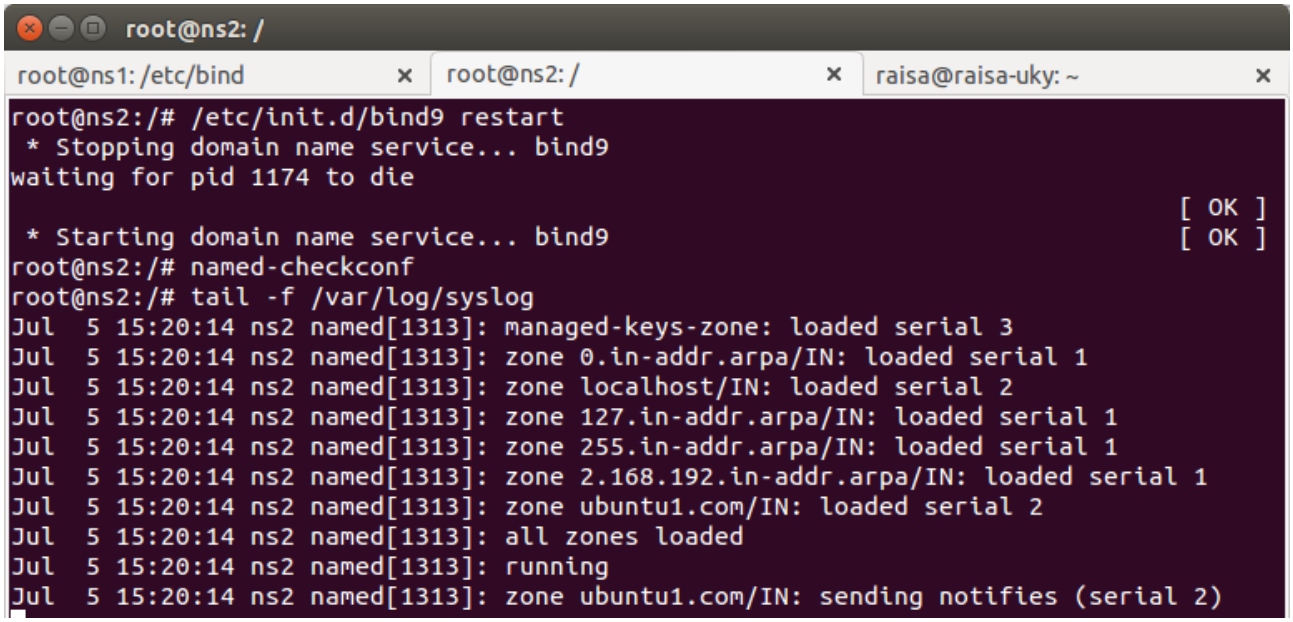
24. Set “nano /etc/bind/named.conf.options”.



25. Set “nano /etc/bind/named.conf.local”.

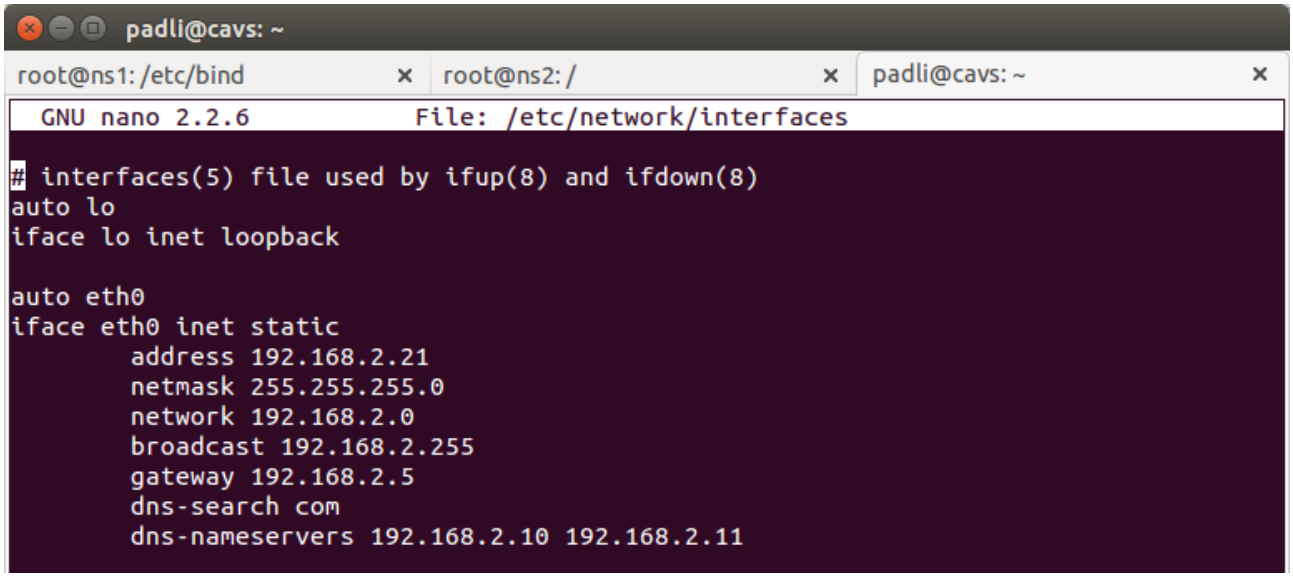


26. Restart bind & cek log.

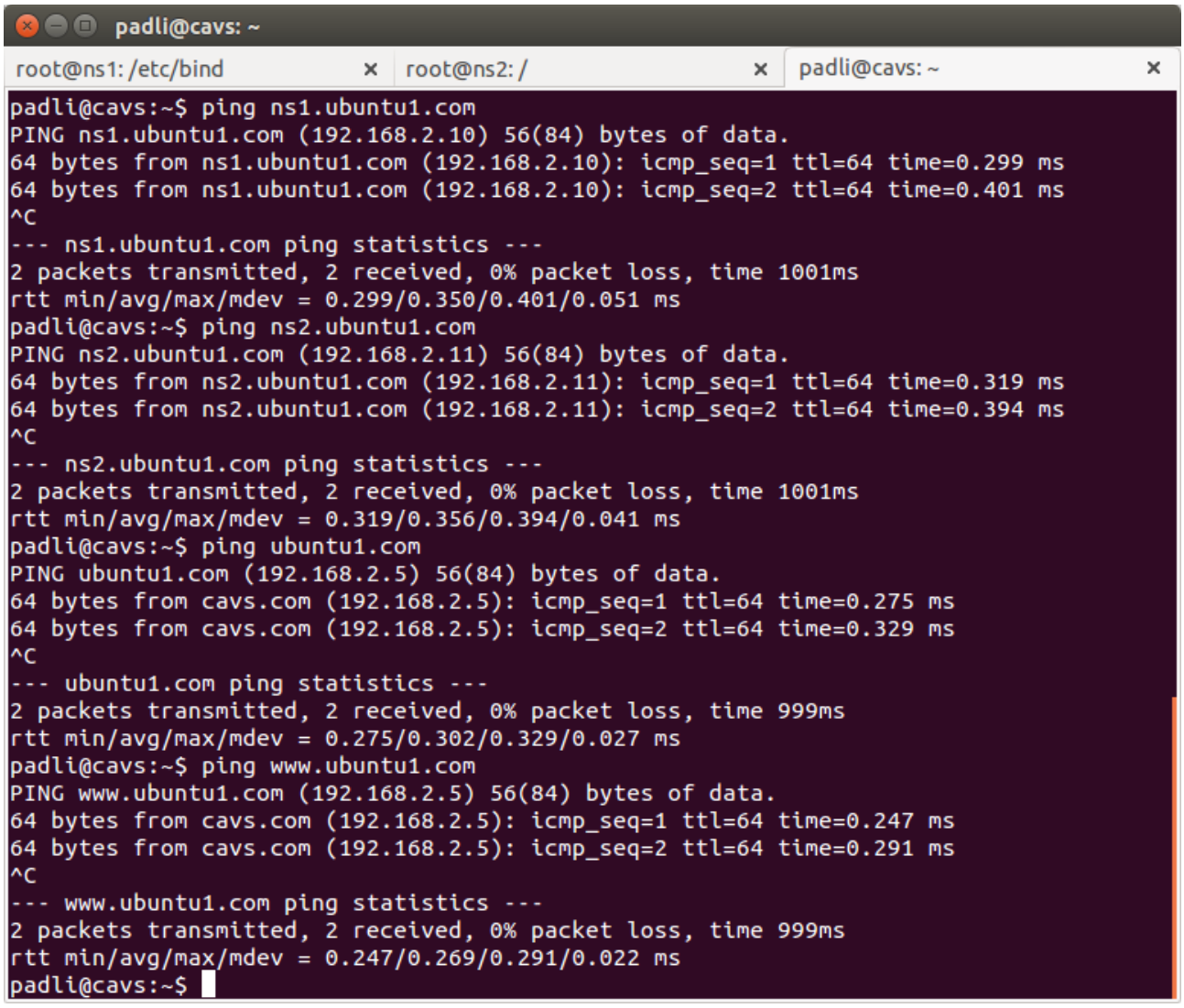


CLIENT TES

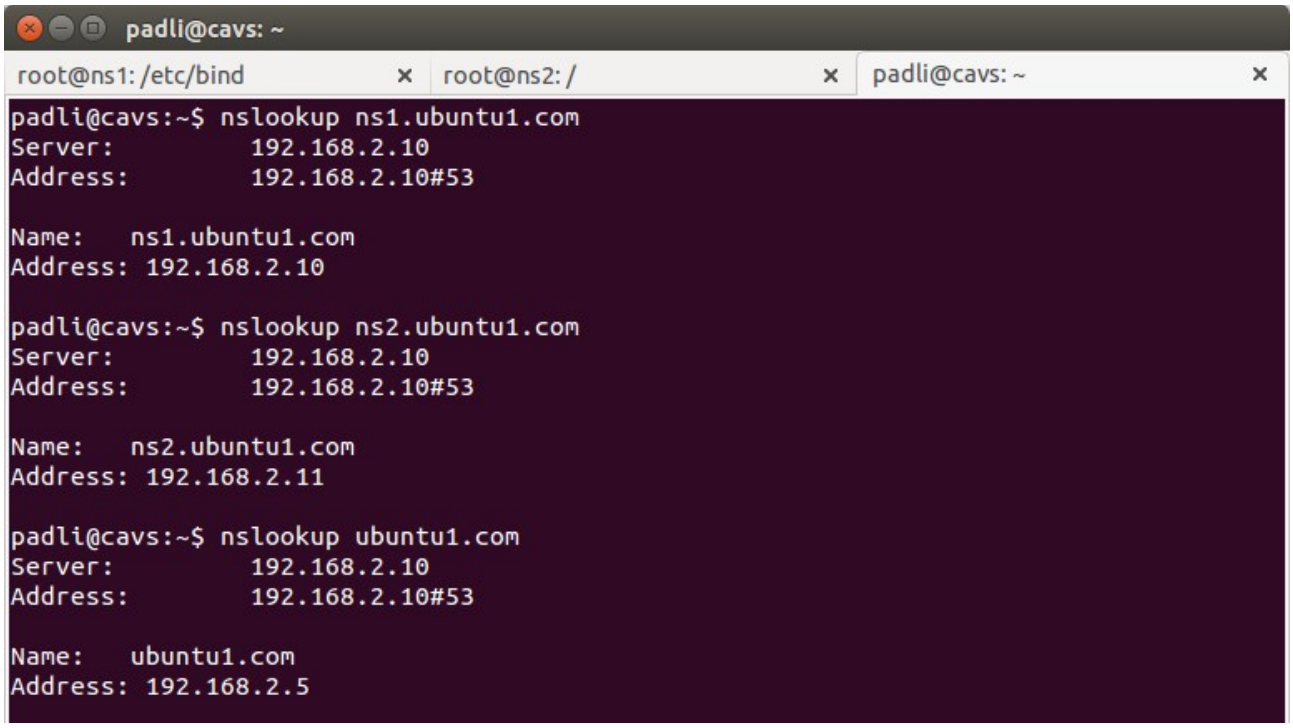
27. Set ip “nano /etc/network/interfaces”.

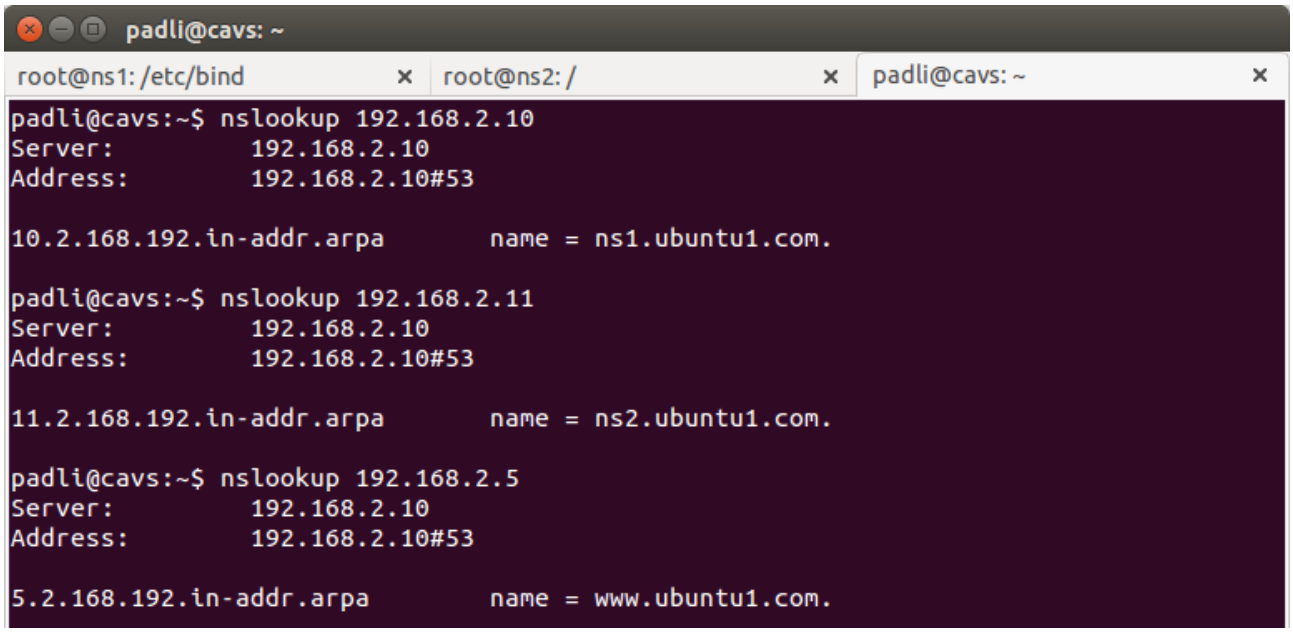


28. Tes ping.

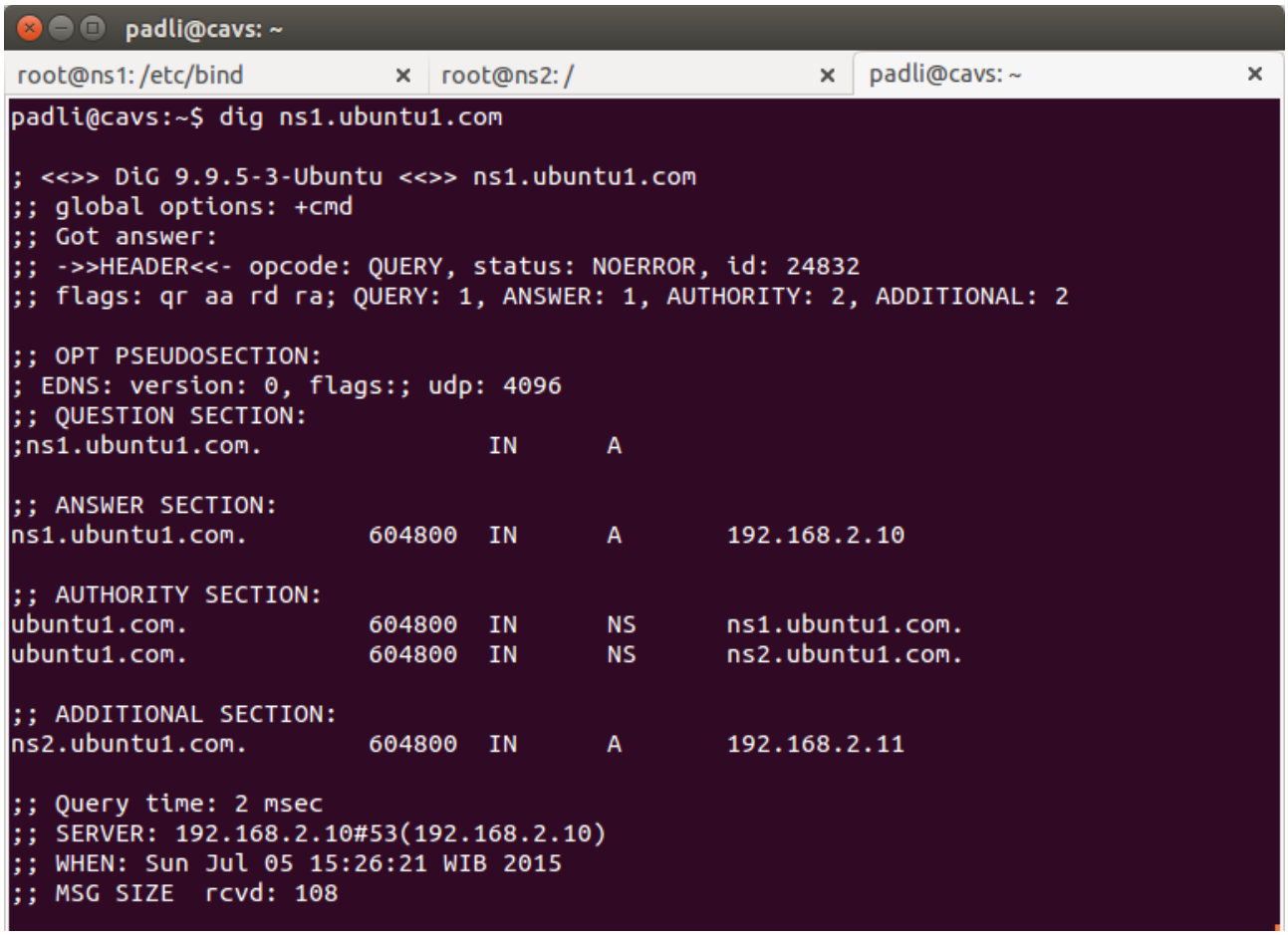

padli@cavs: ~
root@ns1: /etc/bind
root@ns2: /
padli@cavs: ~
padli@cavs:~$ ping ns1.ubuntu1.com
PING ns1.ubuntu1.com (192.168.2.10) 56(84) bytes of data.
64 bytes from ns1.ubuntu1.com (192.168.2.10): icmp_seq=1 ttl=64 time=0.299 ms
64 bytes from ns1.ubuntu1.com (192.168.2.10): icmp_seq=2 ttl=64 time=0.401 ms
^C
--- ns1.ubuntu1.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.299/0.350/0.401/0.051 ms
padli@cavs:~$ ping ns2.ubuntu1.com
PING ns2.ubuntu1.com (192.168.2.11) 56(84) bytes of data.
64 bytes from ns2.ubuntu1.com (192.168.2.11): icmp_seq=1 ttl=64 time=0.319 ms
64 bytes from ns2.ubuntu1.com (192.168.2.11): icmp_seq=2 ttl=64 time=0.394 ms
^C
--- ns2.ubuntu1.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.319/0.356/0.394/0.041 ms
padli@cavs:~$ ping ubuntu1.com
PING ubuntu1.com (192.168.2.5) 56(84) bytes of data.
64 bytes from cavs.com (192.168.2.5): icmp_seq=1 ttl=64 time=0.275 ms
64 bytes from cavs.com (192.168.2.5): icmp_seq=2 ttl=64 time=0.329 ms
^C
--- ubuntu1.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.275/0.302/0.329/0.027 ms
padli@cavs:~$ ping www.ubuntu1.com
PING www.ubuntu1.com (192.168.2.5) 56(84) bytes of data.
64 bytes from cavs.com (192.168.2.5): icmp_seq=1 ttl=64 time=0.247 ms
64 bytes from cavs.com (192.168.2.5): icmp_seq=2 ttl=64 time=0.291 ms
^C
--- www.ubuntu1.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.247/0.269/0.291/0.022 ms
padli@cavs:~$

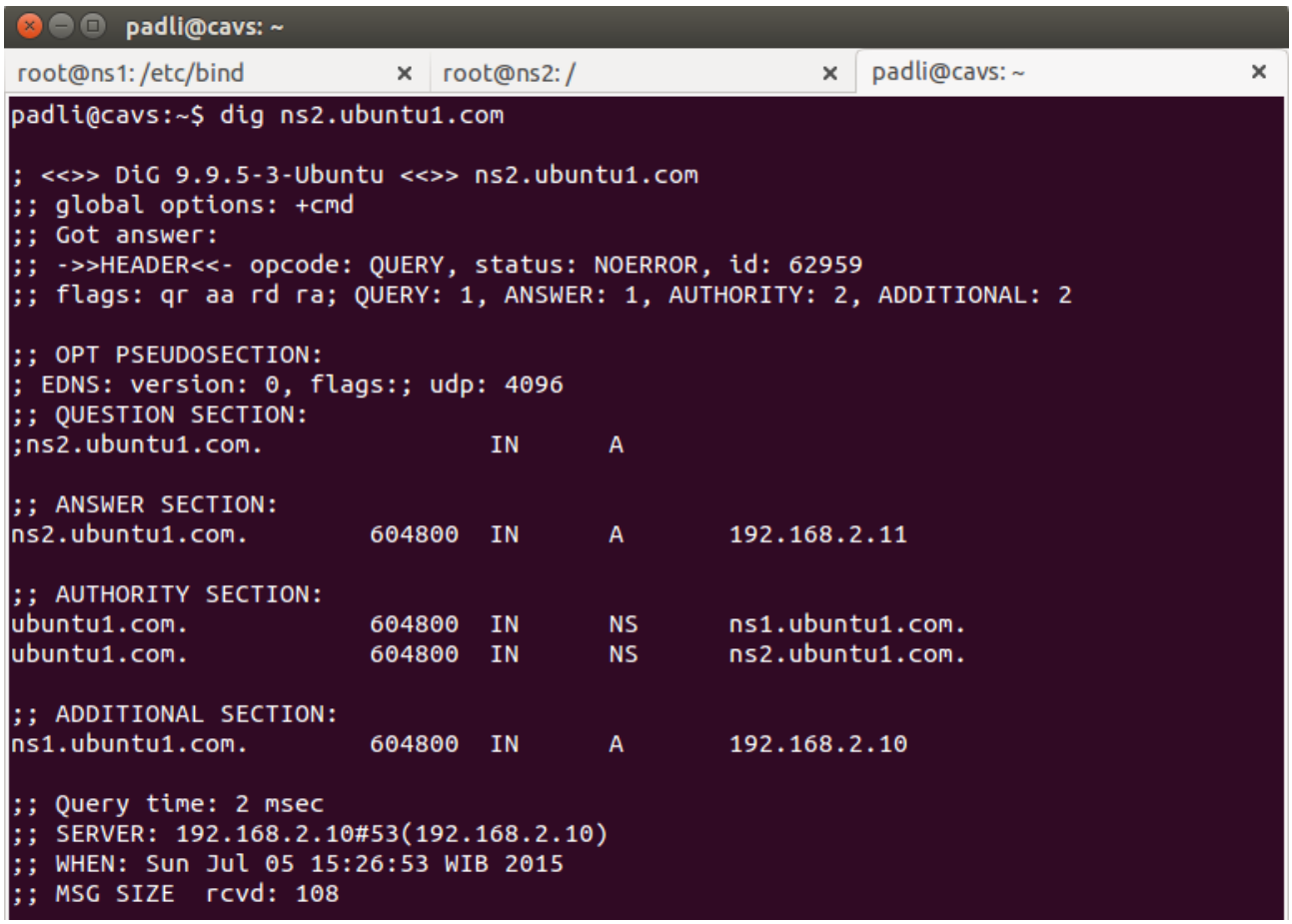
29. Tes nslookup.

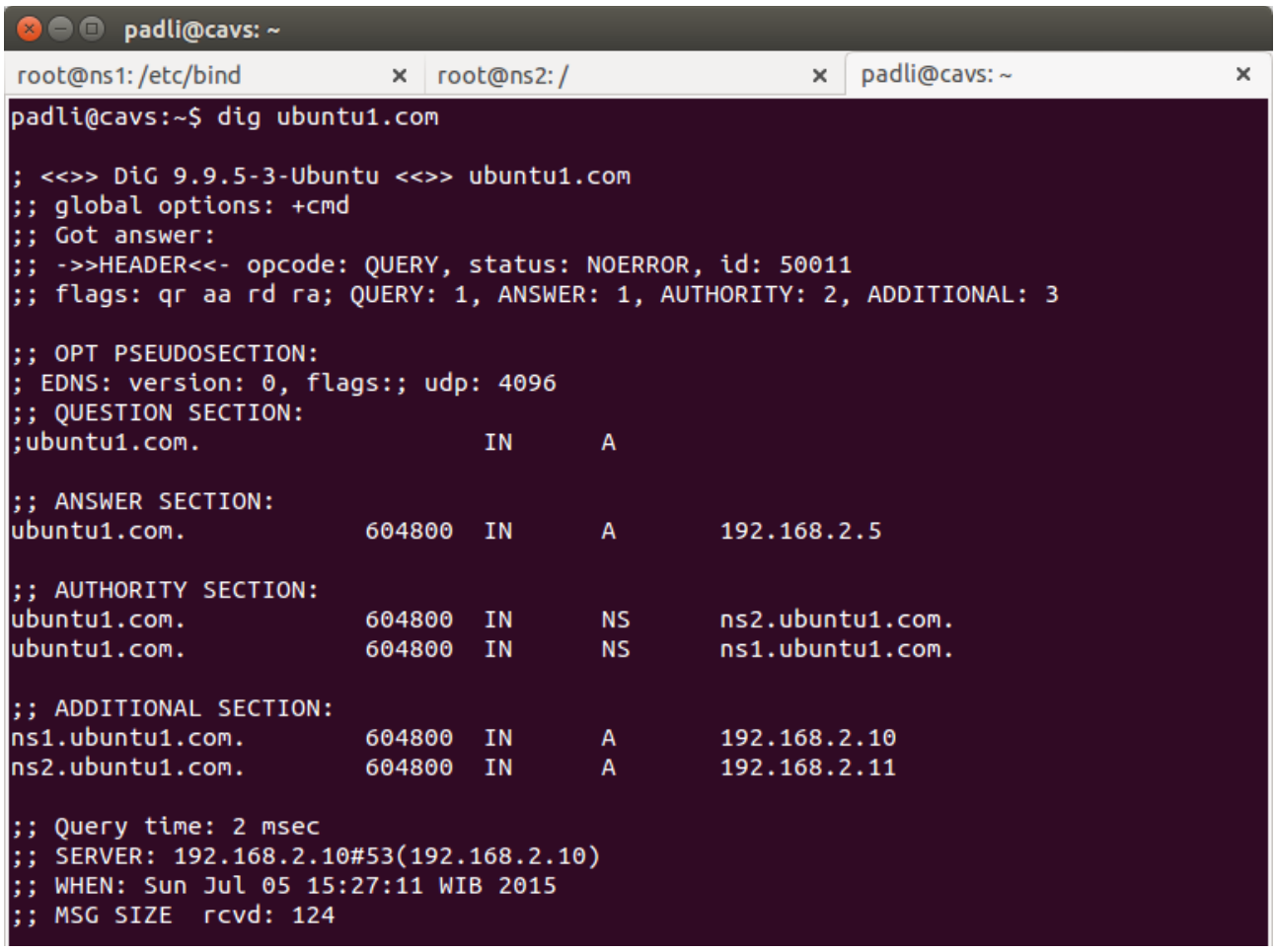




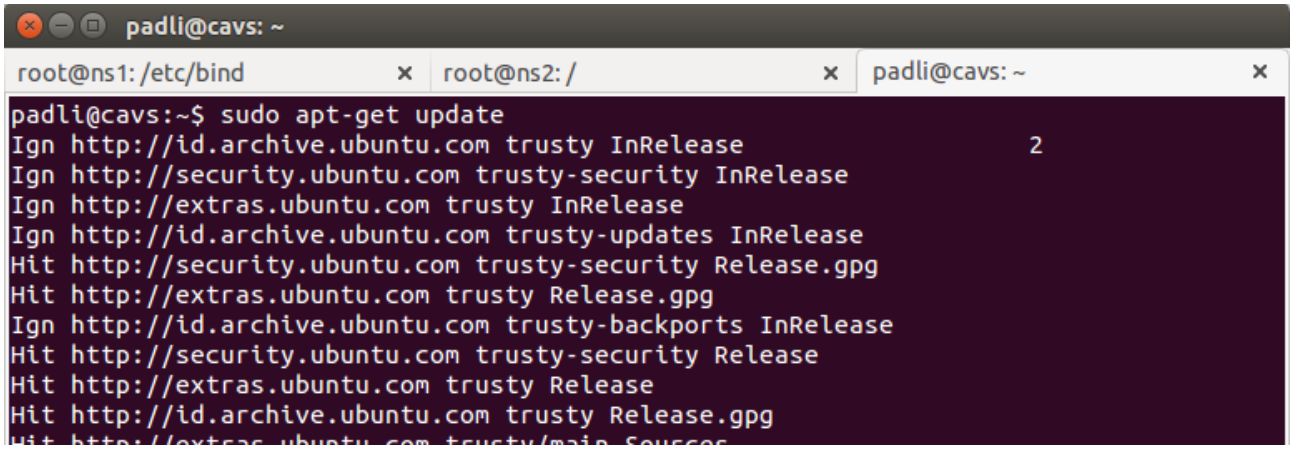
30. Tes dig.


padli@cavs: ~
root@ns1: /etc/bind
root@ns2: /
padli@cavs: ~
padli@cavs:~$ dig ns1.ubuntu1.com
; <<>> DiG 9.9.5-3-Ubuntu <<>> ns1.ubuntu1.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 24832
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;ns1.ubuntu1.com. IN A
;; ANSWER SECTION:
ns1.ubuntu1.com. 604800 IN A 192.168.2.10
;; AUTHORITY SECTION:
ubuntu1.com. 604800 IN NS ns1.ubuntu1.com.
ubuntu1.com. 604800 IN NS ns2.ubuntu1.com.
;; ADDITIONAL SECTION:
ns2.ubuntu1.com. 604800 IN A 192.168.2.11
;; Query time: 2 msec
;; SERVER: 192.168.2.10#53(192.168.2.10)
;; WHEN: Sun Jul 05 15:26:21 WIB 2015
;; MSG SIZE rcvd: 108

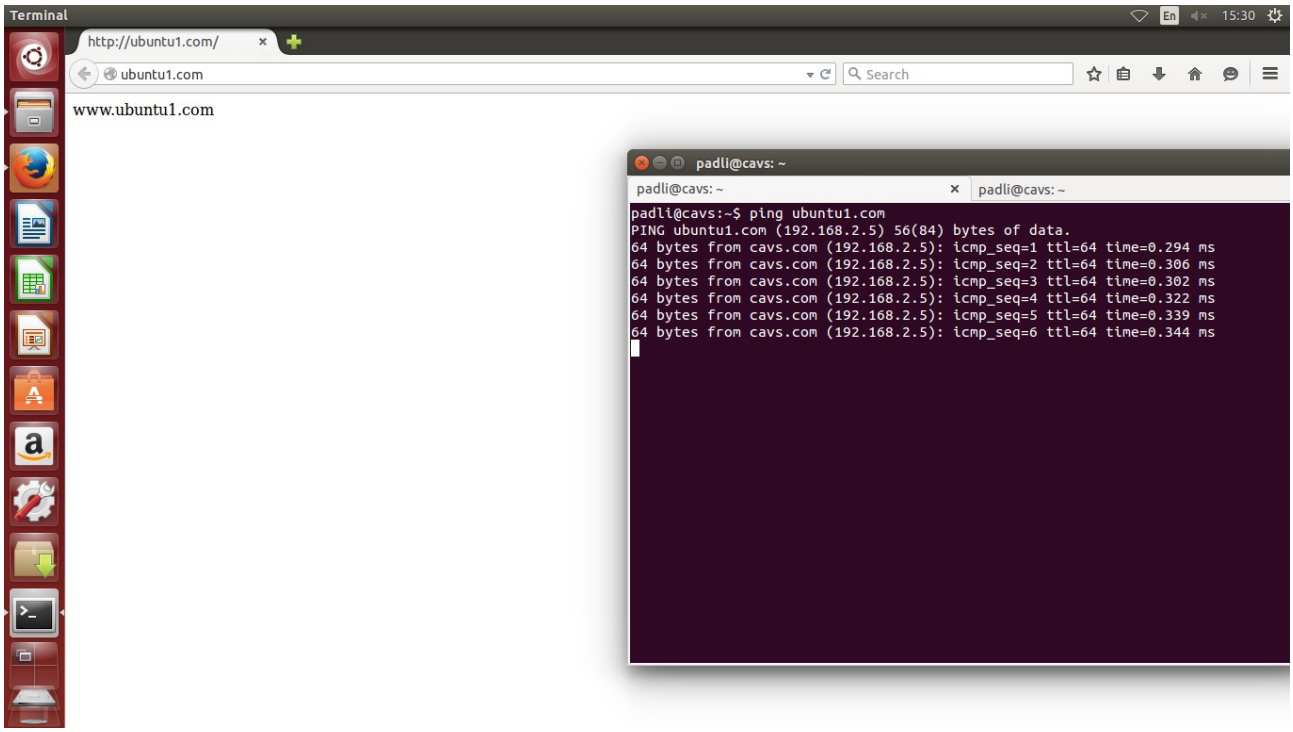

padli@cavs: ~
root@ns1: /etc/bind
root@ns2: /
padli@cavs: ~
padli@cavs:~$ dig ns2.ubuntu1.com
; <<>> DiG 9.9.5-3-Ubuntu <<>> ns2.ubuntu1.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 62959
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 2, ADDITIONAL: 2
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;ns2.ubuntu1.com. IN A
;; ANSWER SECTION:
ns2.ubuntu1.com. 604800 IN A 192.168.2.11
;; AUTHORITY SECTION:
ubuntu1.com. 604800 IN NS ns1.ubuntu1.com.
ubuntu1.com. 604800 IN NS ns2.ubuntu1.com.
;; ADDITIONAL SECTION:
ns1.ubuntu1.com. 604800 IN A 192.168.2.10
;; Query time: 2 msec
;; SERVER: 192.168.2.10#53(192.168.2.10)
;; WHEN: Sun Jul 05 15:26:53 WIB 2015
;; MSG SIZE rcvd: 108



31. Tes forwarding DNS google.



32. Tes browsing.



33. Turn off ns1.

```
root@ns1:/etc/bind# init 0
root@ns1:/etc/bind# Connection to 192.168.2.10 closed by remote host.
Connection to 192.168.2.10 closed.
raisa@raisa-uky:~$
```

34. Ns2 slave it's work.