

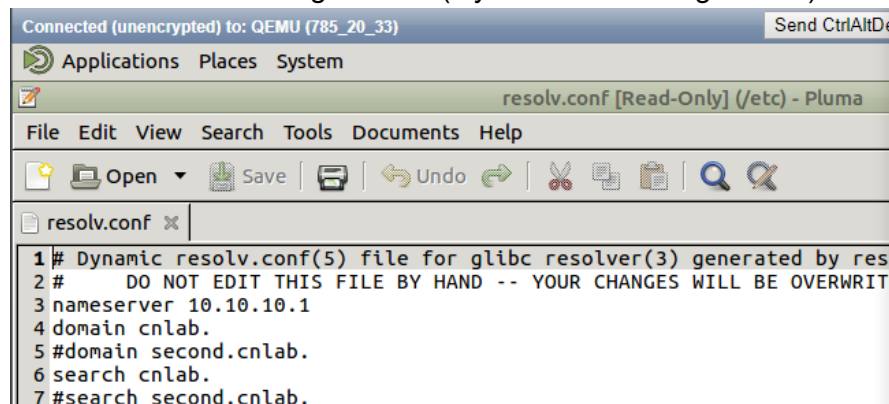
Bind9 Workaround

Apt-get is the software installation application for Ubuntu. Apt-get needs to reach out to the ubuntu archives (kind of like the app store but for Linux.) Apt-get references a sources.list file, /etc/apt/sources.list to find the url of the ubuntu archives. Since we don't have a real DNS server working on the vital lab (yet), apt-get won't be able to resolve the url of the ubuntu archives.

In order to help apt-get do this (so we can install bind9) we need to change the address of the DNS server R1 uses to resolve names.

1. We go to /etc/resolv.conf and edit it using your favorite text editor (I use `sudo pluma /etc/resolv.conf`)

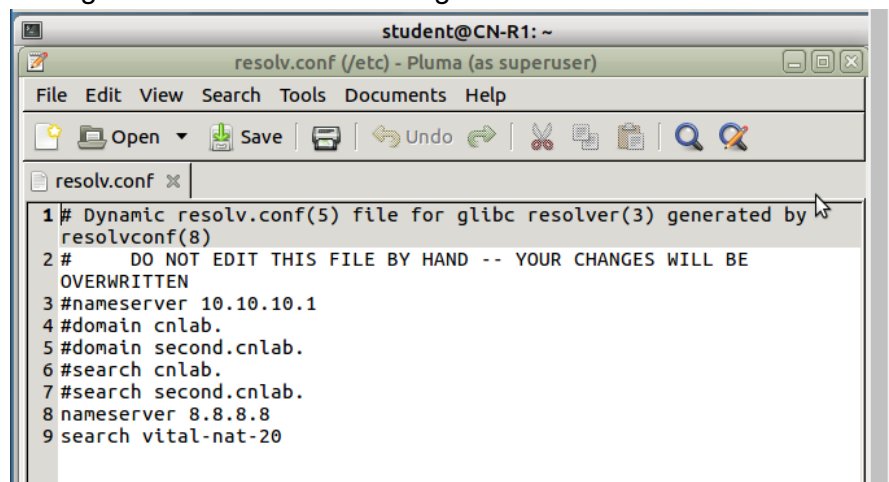
It should look something like this (if you've been doing the lab):



```
1 # Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8)
2 # DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN
3 nameserver 10.10.10.1
4 domain cnlab.
5 #domain second.cnlab.
6 search cnlab.
7 #search second.cnlab.
```

Lines beginning with a '#' are commented out.

Change this file to look something like this.



```
1 # Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8)
2 # DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN
3 #nameserver 10.10.10.1
4 #domain cnlab.
5 #domain second.cnlab.
6 #search cnlab.
7 #search second.cnlab.
8 nameserver 8.8.8.8
9 search vital-nat-20
```

2. Save the file. Return to your terminal.
3. Type `sudo apt-get install bind9`, give it your password.

4. There should be some text that scrolls by, ending with asking you if you want to go ahead and install it. Press 'y'. It will also ask you if you want to overwrite some stuff. Press 'y' on these questions as well.
5. Restart bind9 with `systemctl restart bind9.service`
6. Check to see that bind9 is working. `Systemctl status bind9`. If the little dot is green (you'll see what I'm talking about), you're good. If not, go back and check your `/etc/bind/named.conf.local` file. Typos here can cause the startup of the bind9 service to fail.