If when running commands to either update the odroid or install a new tool on the odroid you get a message similar to the following, where the IP for ports.archive.ubuntu appears unreachable, refer to this document. You will also apply the change to the VM as well.

The IP 91.189.88.150 is unreachable but is also listed in your odroids /etc/hosts file as the address for ports.ubuntu.com used by apt-get when updating the odroid. The current contents of that file will look like this:

You can either comment out the final line or replace with the IP with the correct one (using sudo nano /etc/hosts to edit the file):

```
127.0.0.1       odroid
127.0.0.1       localhost
::1             localhost ip6-localhost ip6-loopback
ff02::1         ip6-allnodes
ff02::2         ip6-allrouters
185.125.190.39  ports.ubuntu.com
185.125.190.39  ports.archive.ubuntu.com
```

If you comment out the above lines (those that hard code the IP address for ports.ubuntu.com and ports.archive.ubuntu.com) instead and rely on DNS to resolve the issue, you will need to change the DNS server used by the odroid/VM as well. This change is also necessary in lab 13, but the lab instructions there will cover it as well. If you want to change the DNS server now do the following:

sudo nano /etc/resolv.conf

Make the following change:

```
# Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8)
#     DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN
#nameserver 69.1.30.42
#nameserver 69.1.30.43
nameserver 146.229.1.200
nameserver 146.229.56.2
```

We do not have service with the previous DNS server anymore and 146.229.1.200 and 146.229.56.2 are UAH's current DNS server. You may alternatively use 8.8.8.8 and 8.8.4.4 (Google's public DNS server).

On the VM you will also change the DNS server:

```
# Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8)
#     DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN
#nameserver 127.0.1.1
nameserver 146.229.1.200
nameserver 146.229.56.2
```