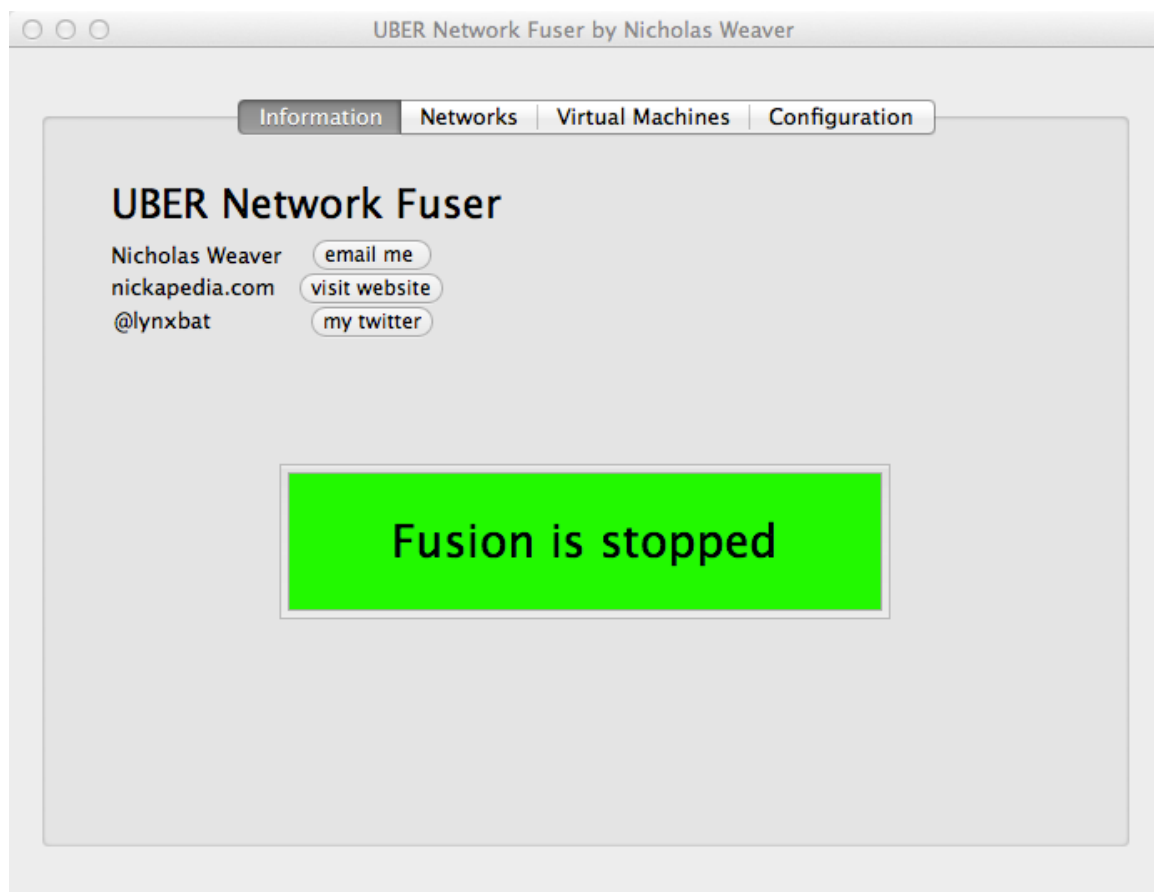


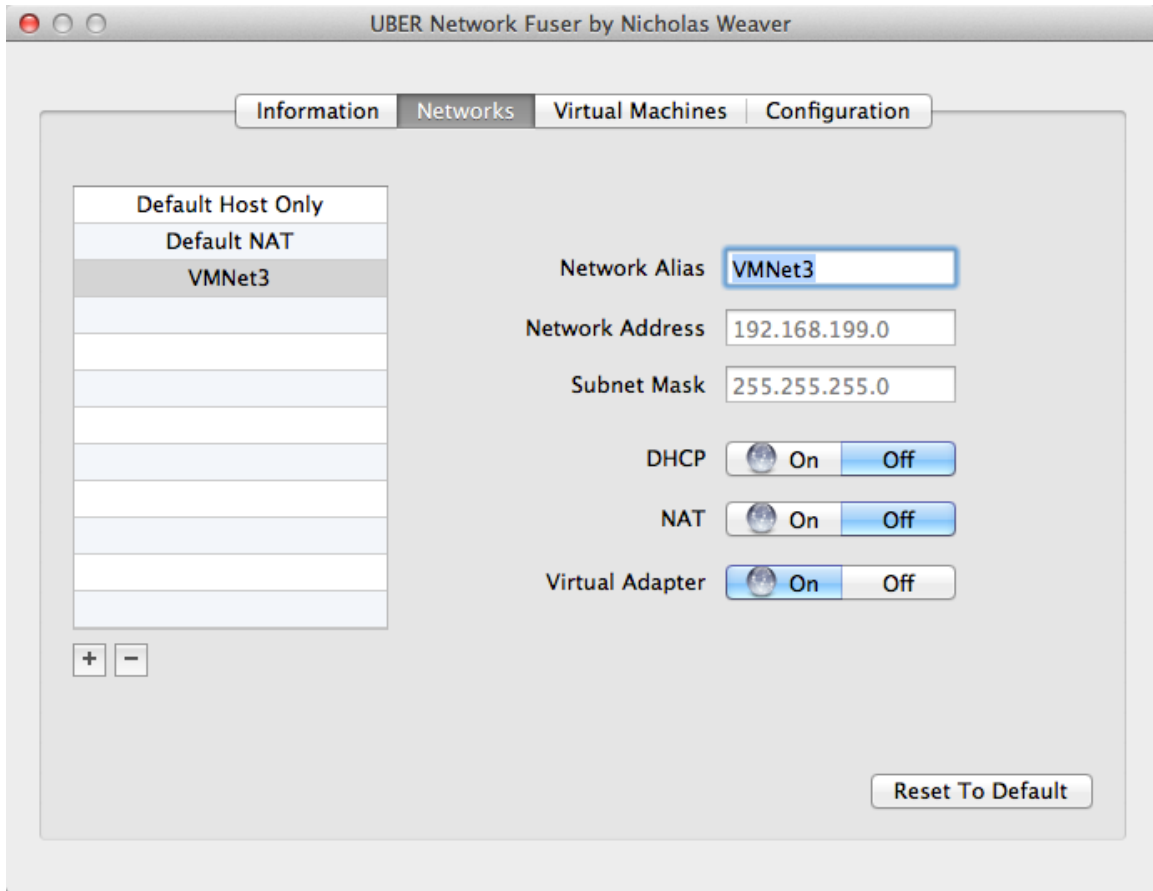
VMware Fusion Setup

The Fusion build is designed to work with a host with 8GB of RAM and VMware Fusion version 4.0. The host operating system must be 64bit and all the CPU virtualization features must be enabled in the BIOS in order to be able to run the 64bit VMs. Placing the lab files on a fast disk and having a host with more RAM will make the lab run faster.

The other requirement is that the Lab network be configured. Unlike the VMware Workstation setup, configuring the network is not available within the VMware Fusion settings. To create the required network we will open Nick Weaver's UBER Network Fuser (UNF), as seen here:



Make sure that you have VMware Fusion stopped as you will not be able to make any changes to anything within UNF. Once you have UNF open select the Networks section where you will be presented with a list of two networks, Default Host Only and Default NAT. Click on the '+' to add a new network. Change the name of the network to **VMnet3** and hit enter. One thing you will notice is that the subnet has been selected at random. Don't worry...this is by design. We will fix this in a minute. Before we do that, you will want to set DHCP and NAT to off, then set Virtual Adapter to on, like so:



Next we will actually change the subnet. To do this, open a terminal and do the following: **cd /Library/Preferences/VMware\Fusion**

Once you make the change save the file and go on to the next step in deploying the AutoLab. Don't misplace UNF as you will need it again after we place the VMs in the appropriate place!!!!

Placement of AutoLab Virtual Machines

In the typical VMware Workstation setup you could potentially place the VMs anywhere on your machine. To simplify the configuration in VMware Fusion and use with UBER Network Fuser (UNF) we will place the VMs in the default VMware Fusion Virtual Machines directory. This is typically:

HD -> Users -> username -> Documents -> Virtual Machines

Simply copy all of the folders from the extracted AutoLab zip file into the above directory. Wait...you aren't done just yet. VMware Fusion creates virtual machines in directories that are named like so:

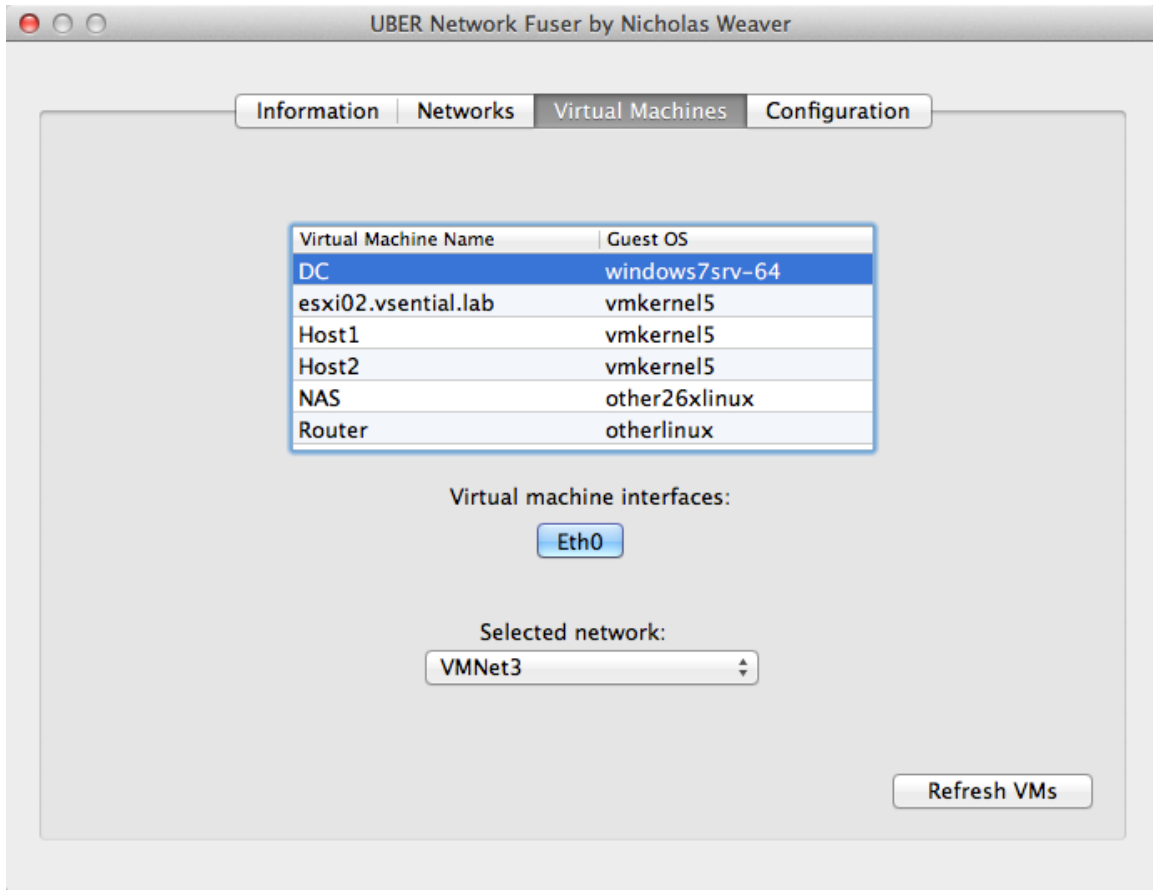
esxi.example.vmwarevm

If you notice it uses an extension of **“.vmwarevm”** to allow the association with VMware Fusion and this is the only way UNF will be able to see the VMs. Go ahead and rename each folder to:

- **CS1.vmwarevm**
- **CS2.vmwarevm**
- **DC.vmwarevm**
- **Host1.vmwarevm**
- **Host2.vmwarevm**
- **NAS.vmwarevm**
- **Router.vmwarevm**
- **SS.vmwarevm**
- **V1.vmwarevm**
- **VBR.vmwarevm**
- **VC.vmwarevm**
- **vCloud.vmwarevm**

Now that we have renamed all of the folders we need to open UNF again so we can associate our VMnet3 network that we created at the beginning with each vmnic on each VM. This is simple but needs to be done on each VM and each vmnic. Once you have opened UNF, click on **Configuration**. Make sure that your paths are set appropriately, if they are not then correct them.

Next click on **“Virtual Machines”**. You should see a list of virtual machines now. If you don’t, hit **Refresh VMs** and it should populate. Select one of the VMs in the list and you can change the network tied to that vmnic by clicking on the vmnic.



Do that for each VM and each interface that needs to be tied to the new network. Once this is complete you can go ahead and move on to the typical steps taken for deploying the AutoLab. I hope this helps all of the Mac users out there!