**Stage 5**

**Objectives:**

* Configure the QUAGGA Daemon (ospfd.conf) on your router to allow connectivity between your network and the networks of other students while in the classroom.
* You will need to add a Bridged interface and assign it an address of 10.0.0.X/24 where X is your unique subnet number assigned to you at the beginning of the semester (we will use it here as the host ID for this network.
* Check the Virtual Network Settings under VMware workstation and be sure that the Bridged network is using the correct Ethernet Adapter
* You will need to create the file **/etc/quagga/ospfd.conf** to advertise the 10.x.x.x network and the 172.16.x.x networks in your assignment **(area 0.) A sample config is provided below:**

**router ospf**

**network 10.0.0.85/24 area 0**

**network 172.16.80.0/24 area0**

* Once you have created and edited the file start he service **ospfd**

**NOTE:** To test the service you should flush the iptables firewall on your router and set the policies to accept. Once you know that the service is working, **YOU MUST REINSTATE THE FIREWALL AND ADD THE RULES NECESSARY FOR OSPF TO GET THROUGH.**

Execute the command **ip route** to see what networks you are advertising and what other networks you can connect to.

Refer to the document “Checkpoint 5” for evaluation methods for this stage and for the list of items to be documented and submitted