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Lab02a

1. I chose to install Kali Linux in a virtual machine because it is the lowest risk and least amount of work to get up and running. Installing so that it dual boots with my host OS proved more risky because of a need to manually edit partitions. I would have needed to backup all my data and I did not want to do that. Using vmware automates the manual setup. Furthermore, the installation instructions at the given link explain that there is a high risk for failure.
2. Bridged mode is best because it reveals where the signal is coming from with the most detail.
3. “NAT is used if all you want is to browse the Web, download files and view e-mail inside the guest, then this default mode should be sufficient for you. This basically does one to one NAT for you to access outside internet  
     
   NAT network service works in a similar way to a home router, grouping the systems using it into a network and preventing systems outside of this network from directly accessing systems inside it, but letting systems inside communicate with each other and with systems outside.  
   This will be for a group of machines which will be translated from one network (for ex :192.168.x.x) to another network (for ex : 10.1.x.x/24).”

NAT network in virtualbox is most similar to NAT within VM ware because they both configure all the machines in a closed system.

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