Network Setup

For both of my systems, they connect to my host machine via a virtual interface. I had to make some tweaks and changes to get things to work exactly as needed, file transferring to start was difficult, but after some changes to the virtual adapters, I can now use SmarTTY to easily transfer files between host and VMs.

A screenshot of a social media post

Description automatically generated

Below is a copy of the networking script I have created. The script below will list the open ports on the server, the available interfaces/IP addresses , and the DNS/name server currently being used.

#!/bin/bash

set `date`

echo "Date at the time of this file running: $2 $3 $4 $6 $7" >> netcheck$2$3$4$6$7

echo "The following ports are open" >> netcheck$2$3$4$6$7

netstat -lntu | awk '$1 ~ /tcp||udp/{print $4}' | awk -F '[: ]' '{print $2}' | sed '/^$/d' | sort | uniq >> netcheck$2$3$4$6$7

echo "The following interfaces/IP addresses are available on this server" >> netcheck$2$3$4$6$7

ifconfig -a | awk '$1 ~ /'inet'/{print $2}' >> netcheck$2$3$4$6$7

echo "The following IP address(es) are the DNS servers currently being used by this server" >> netcheck$2$3$4$6$7

cat /etc/resolv.conf >> netcheck$2$3$4$6$7

cat netcheck$2$3$4$6$7