Project 1 Milestone 1

Mininet downloaded and working on vmware
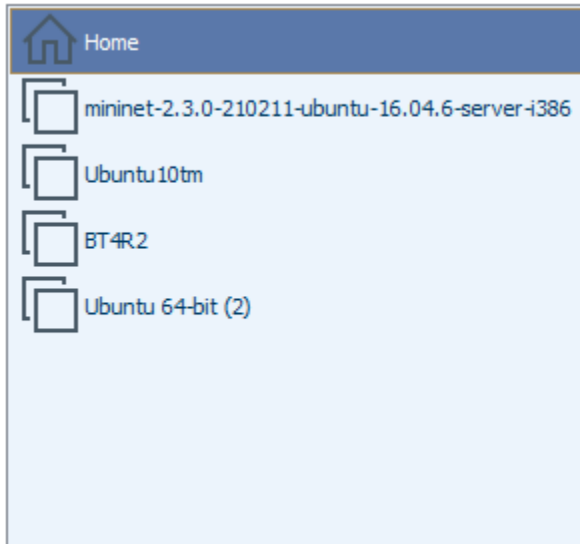
Also working through ssh on powershell

Also working on xterm, able to run server and ping hosts

```
mininet@mininet-vm:~/CS488S21/projects/proj1$ sudo python ./proj1_test.py
*** Creating network
*** Adding controller
*** Adding hosts:
h1 h2 h3 h4
*** Adding switches:
s1 s2 s3 s4
*** Adding links:
(h1, s1) (h2, s2) (h3, s3) (h4, s4) (20.00Mbit 10ms delay) (20.00Mbit 10ms delay) (s1, s2) (10.00Mbit 15ms delay) (10.00Mbit 15ms delay) (s2, s3) (20
.00Mbit 20ms delay) (20.00Mbit 20ms delay) (s3, s4)
*** Configuring hosts
h1 h2 h3 h4
*** Starting controller
c0
*** Starting 4 switches
s1 s2 s3 s4 ...(20.00Mbit 10ms delay) (20.00Mbit 10ms delay) (10.00Mbit 15ms delay) (10.00Mbit 15ms delay) (20.00Mbit 20ms delay) (20.00Mbit 20ms del
ay)
*** Starting CLI:
mininet> nodes
available nodes are:
c0 h1 h2 h3 h4 s1 s2 s3 s4
mininet> h1 ping -c10 h4
PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4: icmp_seq=1 ttl=64 time=97.3 ms
64 bytes from 10.0.0.4: icmp_seq=2 ttl=64 time=95.4 ms
64 bytes from 10.0.0.4: icmp_seq=3 ttl=64 time=95.6 ms
64 bytes from 10.0.0.4: icmp_seq=4 ttl=64 time=95.7 ms
64 bytes from 10.0.0.4: icmp_seq=5 ttl=64 time=95.2 ms
64 bytes from 10.0.0.4: icmp_seq=6 ttl=64 time=95.7 ms
64 bytes from 10.0.0.4: icmp_seq=7 ttl=64 time=95.4 ms
64 bytes from 10.0.0.4: icmp_seq=8 ttl=64 time=95.7 ms
64 bytes from 10.0.0.4: icmp_seq=9 ttl=64 time=94.3 ms
64 bytes from 10.0.0.4: icmp_seq=10 ttl=64 time=94.7 ms

--- 10.0.0.4 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9014ms
rtt min/avg/max/mdev = 94.349/95.543/97.358/0.805 ms
mininet>
```