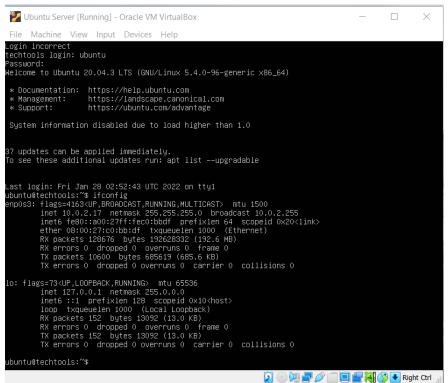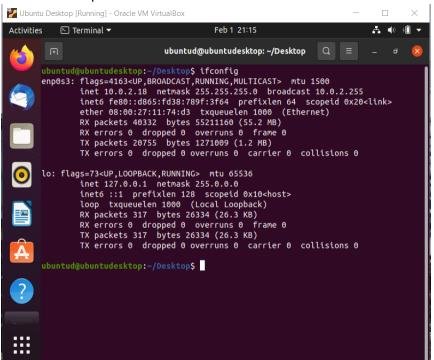Matthew Zaldana

SID: 027008928

1. Screenshot of 'ifconfig' command
    a. Ubuntu Server

    b. Ubuntu Desktop

2. Screenshot of each host pinging each other
   a. Ubuntu server

```
ubuntu@techtools:~$ ping -c 4 10.0.2.18
PING 10.0.2.18 (10.0.2.18) 56(84) bytes of data.
64 bytes from 10.0.2.18: icmp_seq=1 ttl=64 time=3.07 ms
64 bytes from 10.0.2.18: icmp_seq=2 ttl=64 time=1.00 ms
64 bytes from 10.0.2.18: icmp_seq=3 ttl=64 time=11.7 ms
64 bytes from 10.0.2.18: icmp_seq=4 ttl=64 time=6.73 ms

--- 10.0.2.18 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3006ms
rtt min/avg/max/mdev = 1.003/5.611/11.653/4.045 ms
ubuntu@techtools:~$
```
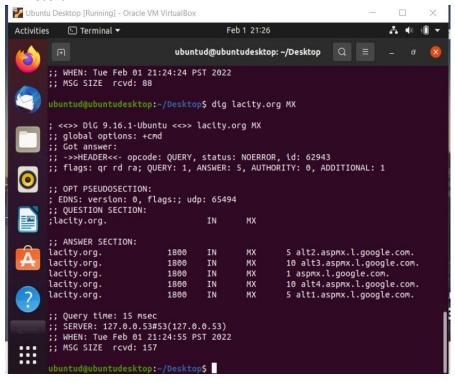
   b. Ubuntu desktop

```
ubuntud@ubuntudesktop:~/Desktop$ ping -c 4 10.0.2.17
PING 10.0.2.17 (10.0.2.17) 56(84) bytes of data.
64 bytes from 10.0.2.17: icmp_seq=1 ttl=64 time=0.878 ms
64 bytes from 10.0.2.17: icmp_seq=2 ttl=64 time=21.2 ms
64 bytes from 10.0.2.17: icmp_seq=3 ttl=64 time=1.38 ms
64 bytes from 10.0.2.17: icmp_seq=4 ttl=64 time=1.49 ms

--- 10.0.2.17 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3019ms
rtt min/avg/max/mdev = 0.878/6.237/21.205/8.644 ms
ubuntud@ubuntudesktop:~/Desktop$ S
```

3. DIG command

a. MX record

b. Reverse DNS


```
ubuntud@ubuntudesktop:~/Desktop$ dig -x 23.66.114.27

; <<>> DiG 9.16.1-Ubuntu <<>> -x 23.66.114.27
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 17703
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;27.114.66.23.in-addr.arpa.        IN        PTR

;; ANSWER SECTION:
27.114.66.23.in-addr.arpa. 43200 IN      PTR      a23-66-114-27.deploy.static.aka
maitechnologies.com.

;; Query time: 267 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Tue Feb 01 21:30:35 PST 2022
;; MSG SIZE  rcvd: 118

ubuntud@ubuntudesktop:~/Desktop$
```

```
ubuntud@ubuntudesktop:~/Desktop$ dig -x 23.66.114.33

; <<>> DiG 9.16.1-Ubuntu <<>> -x 23.66.114.33
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 47929
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;33.114.66.23.in-addr.arpa.        IN        PTR

;; ANSWER SECTION:
33.114.66.23.in-addr.arpa. 43200 IN      PTR      a23-66-114-33.deploy.static.aka
maitechnologies.com.

;; Query time: 71 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Tue Feb 01 21:31:20 PST 2022
;; MSG SIZE  rcvd: 118

Show Applications
ubuntud@ubuntudesktop:~/Desktop$
```