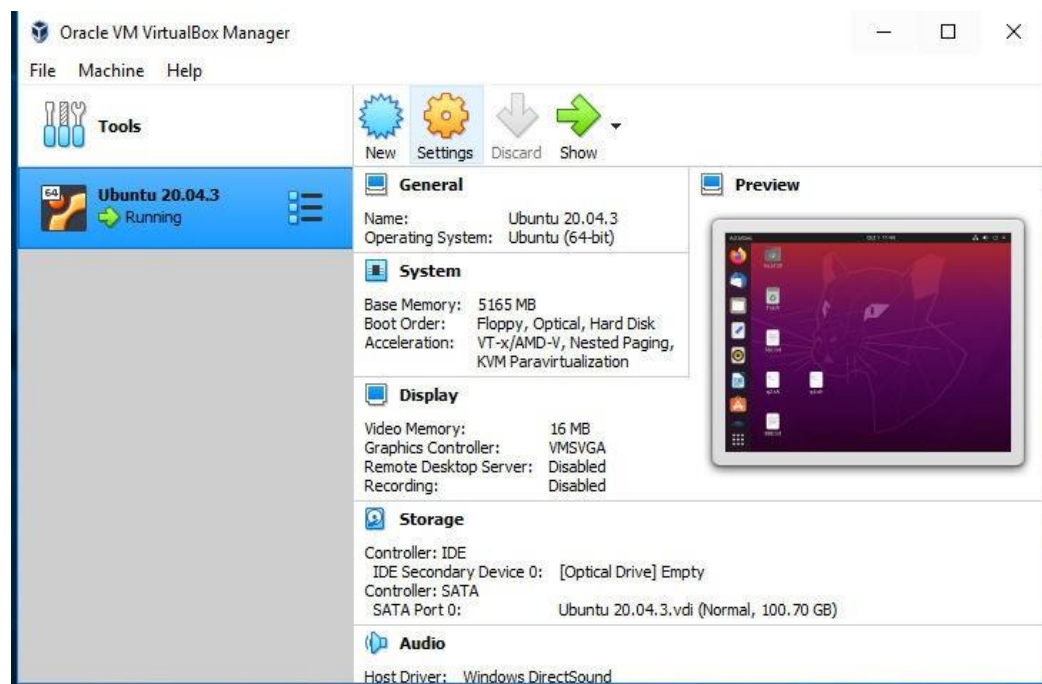**ARUN V DAS**

TKM20MCA-2012

1.

3.

```
mca212@mca212-VirtualBox:~/Desktop$ tracerote www.iitm.ac.in
traceroute to www.iitm.ac.in (103.158.42.57), 30 hops max, 60 byte packets
 1  _gateway (10.0.2.2)  0.268 ms  0.236 ms  0.220 ms
 2  _gateway (10.0.2.2)  3.025 ms  2.909 ms  2.885 ms
mca212@mca212-VirtualBox:~/Desktop$
```

4.

```
mca212@mca212-VirtualBox:~/Desktop$ bash  4.sh
3
mca212@mca212-VirtualBox:~/Desktop$
```

5.

No.	Time	Source	Destination	Protocol	Length	Info
3564	26.836650	172.20.30.196	34.122.121.32	HTTP	141	GET / HTTP/1.1
6386	46.808696	172.20.30.196	35.224.170.84	HTTP	141	GET / HTTP/1.1
6423	47.052577	35.224.170.84	172.20.30.196	HTTP	202	HTTP/1.1 204 No Content
10831	77.962083	172.20.30.196	23.60.169.35	HTTP	136	GET /ncc.txt HTTP/1.1
10834	77.973716	23.60.169.35	172.20.30.196	HTTP	205	HTTP/1.1 200 OK (text/html)
31053	207.058395	172.20.30.196	117.18.237.29	HTTP	294	GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBQ50otx%2Fh0Ztl%2Bz…
31059	207.095552	117.18.237.29	172.20.30.196	OCSP	792	Response
32321	207.950878	172.20.30.196	65.8.84.75	HTTP	297	GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBQz9arGHWbnBV0DFzpN…
32625	208.016601	65.8.84.75	172.20.30.196	OCSP	525	Response
33217	208.247929	172.20.30.196	117.18.237.29	HTTP	288	GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBTGMlruL6P9M9B3if1r…
33221	208.249673	172.20.30.196	117.18.237.29	HTTP	288	GET /MFEwTzBNMEswSTAJBgUrDgMCGgUABBTGMlruL6P9M9B3if1r…
33301	208.274000	117.18.237.29	172.20.30.196	OCSP	661	Response

> Frame 3564: 141 bytes on wire (1128 bits), 141 bytes captured (1128 bits) on interface 0
> Ethernet II, Src: HewlettP_2f:48:18 (f4:39:09:2f:48:18), Dst: Sophos_6b:b3:da (00:1a:8c:6b:b3:da)
> Internet Protocol Version 4, Src: 172.20.30.196, Dst: 34.122.121.32
∨ Transmission Control Protocol, Src Port: 55308, Dst Port: 80, Seq: 1, Ack: 1, Len: 87
    Source Port: 55308
    Destination Port: 80
    [Stream index: 3]
    [TCP Segment Len: 87]
    Sequence number: 1   (relative sequence number)
    [Next sequence number: 88   (relative sequence number)]
    Acknowledgment number: 1   (relative ack number)
    0101 .... = Header Length: 20 bytes (5)
    > Flags: 0x018 (PSH, ACK)

```
0000  00 1a 8c 6b b3 da f4 39  09 2f 48 18 08 00 45 00   ···k···9 ·/H···E·
0010  00 7f 71 11 40 00 80 06  22 f5 ac 14 1e c4 22 7a   ··q·@··· "·····"z
0020  79 20 d8 0c 00 50 c8 75  24 9c 9a db 26 7b 50 18   y ···P·u $···&{P·
0030  ff f0 01 05 00 00 47 45  54 20 2f 20 48 54 54 50   ······GE T / HTTP
0040  2f 31 2e 31 0d 0a 48 6f  73 74 3a 20 63 6f 6e 6e   /1.1··Ho st: conn
0050  65 63 74 69 76 69 74 79  2d 63 68 65 63 6b 2e 75   ectivity -check.u
0060  62 75 6e 74 75 2e 63 6f  6d 0d 0a 41 63 63 65 70   buntu.co m··Accep
0070  74 3a 20 2a 2f 2a 0d 0a  43 6f 6e 6e 65 63 74 69   t: */*·· Connecti
0080  6f 6e 3a 20 63 6c 6f 73  65 0d 0a 0d 0a            on: clos e····
```