



University
of Windsor

COMP-8677
Networking and Data Security

Lab 1 Report

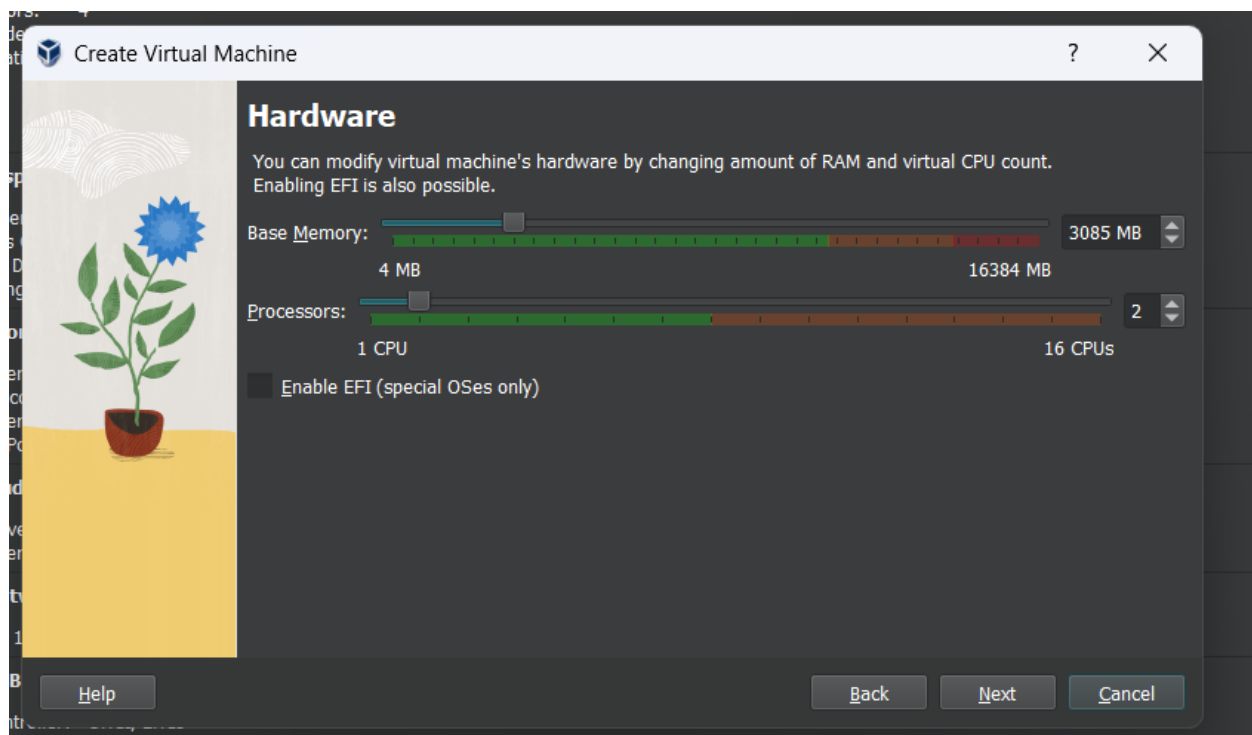
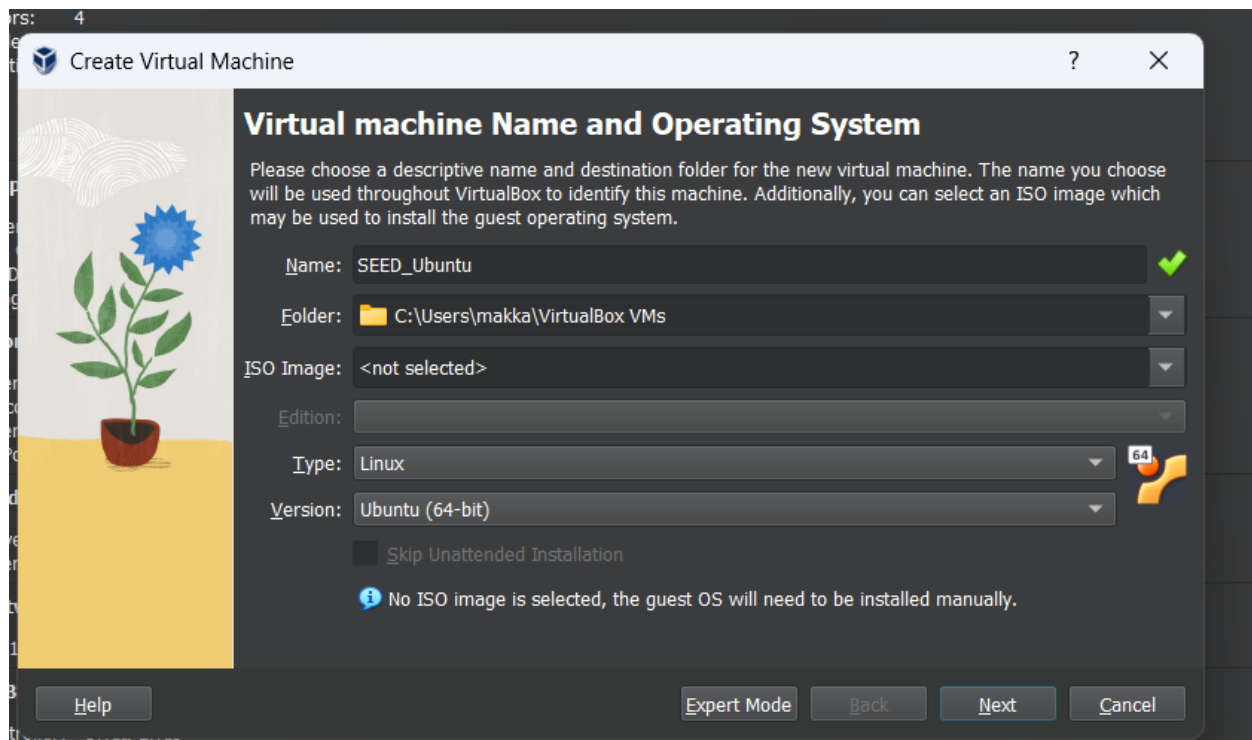
Submitted To:

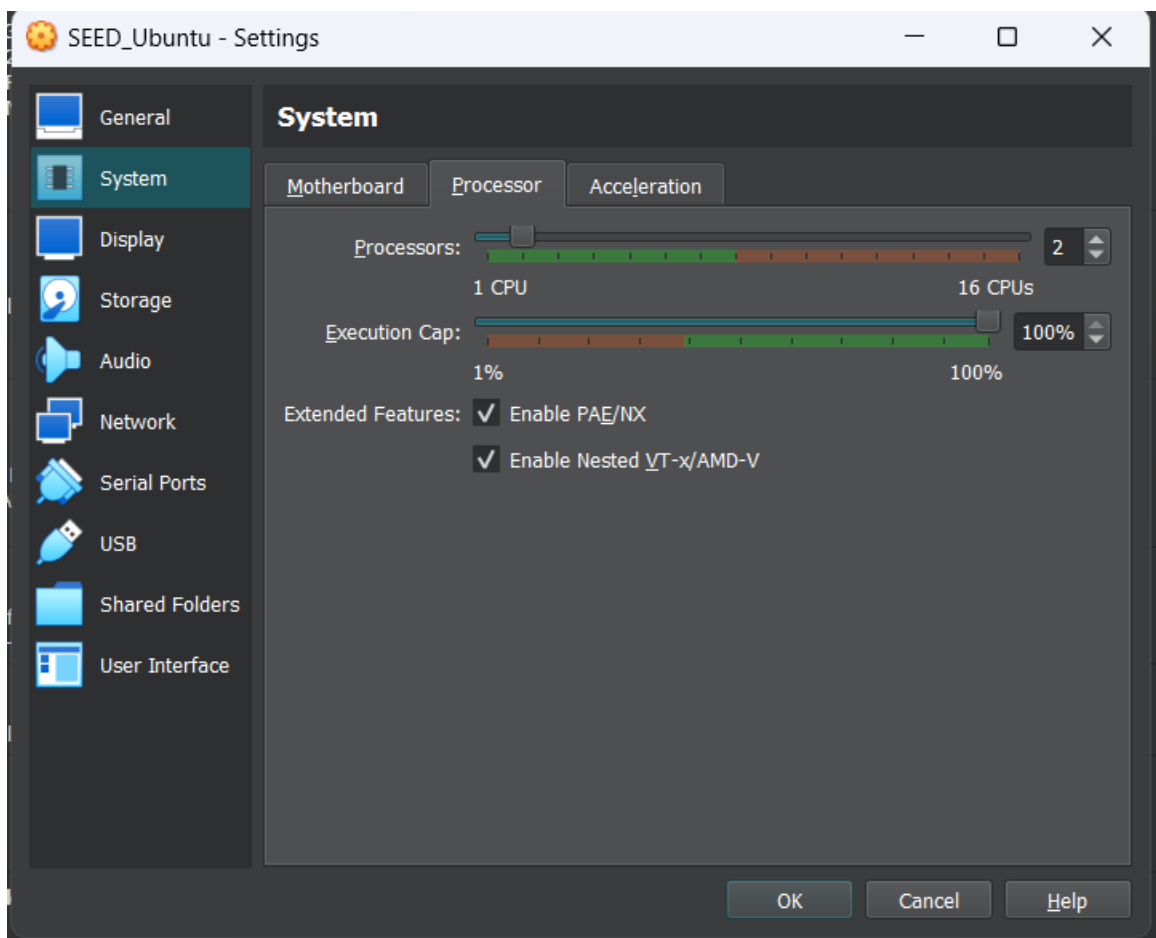
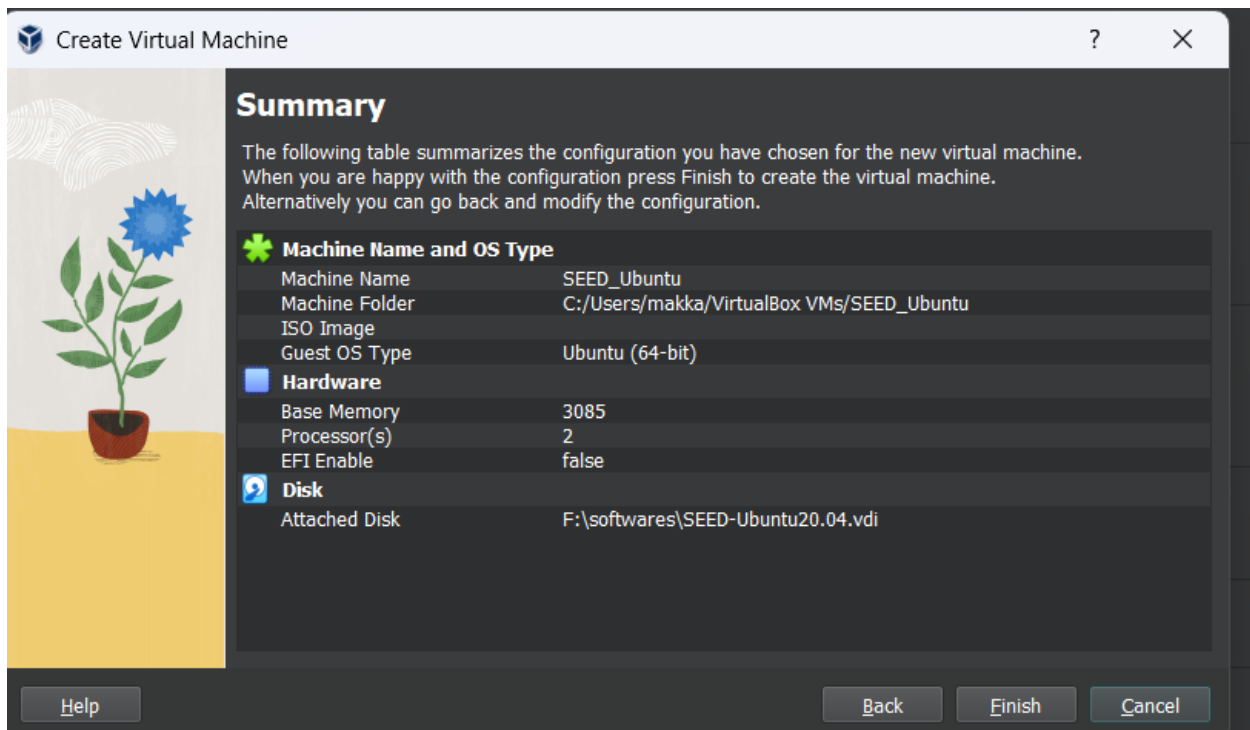
Dr. Shaoquan Jiang

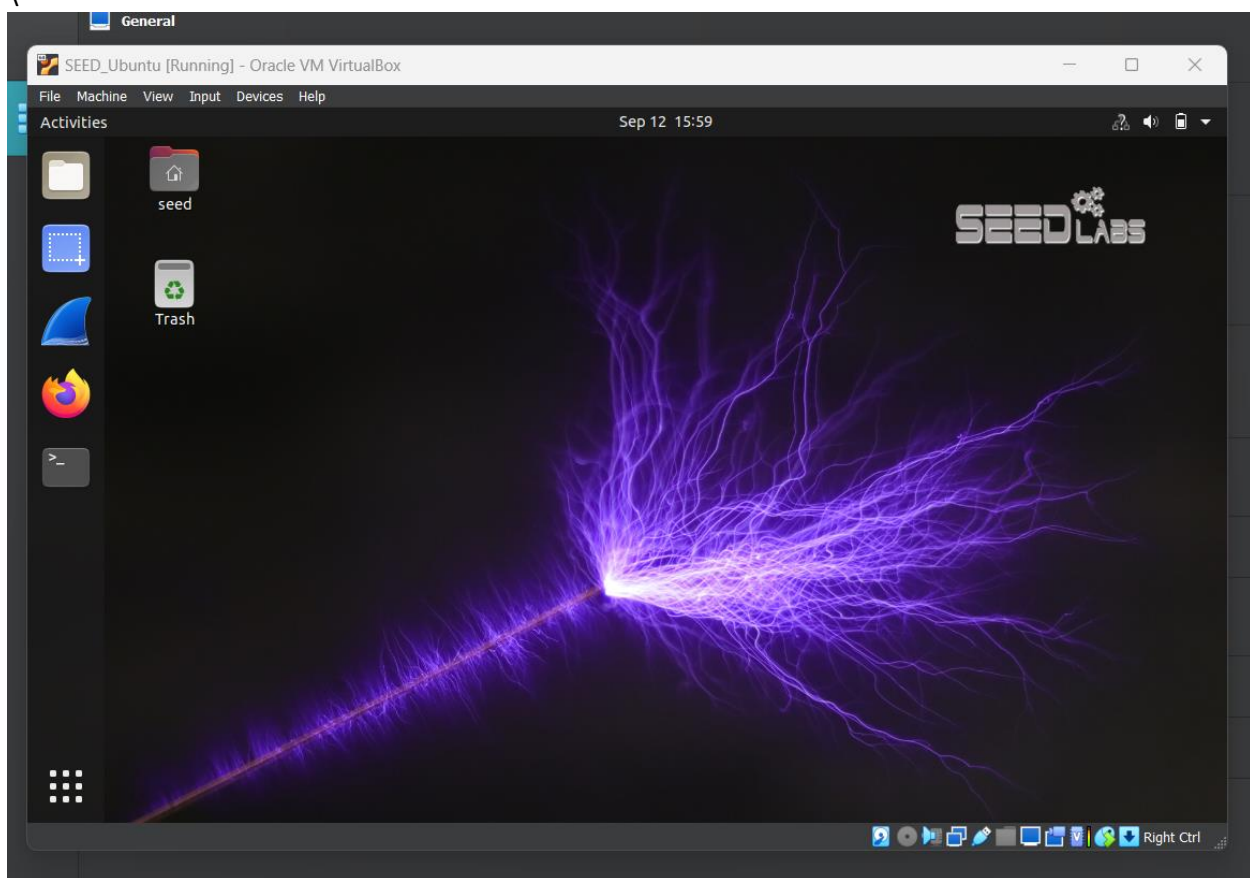
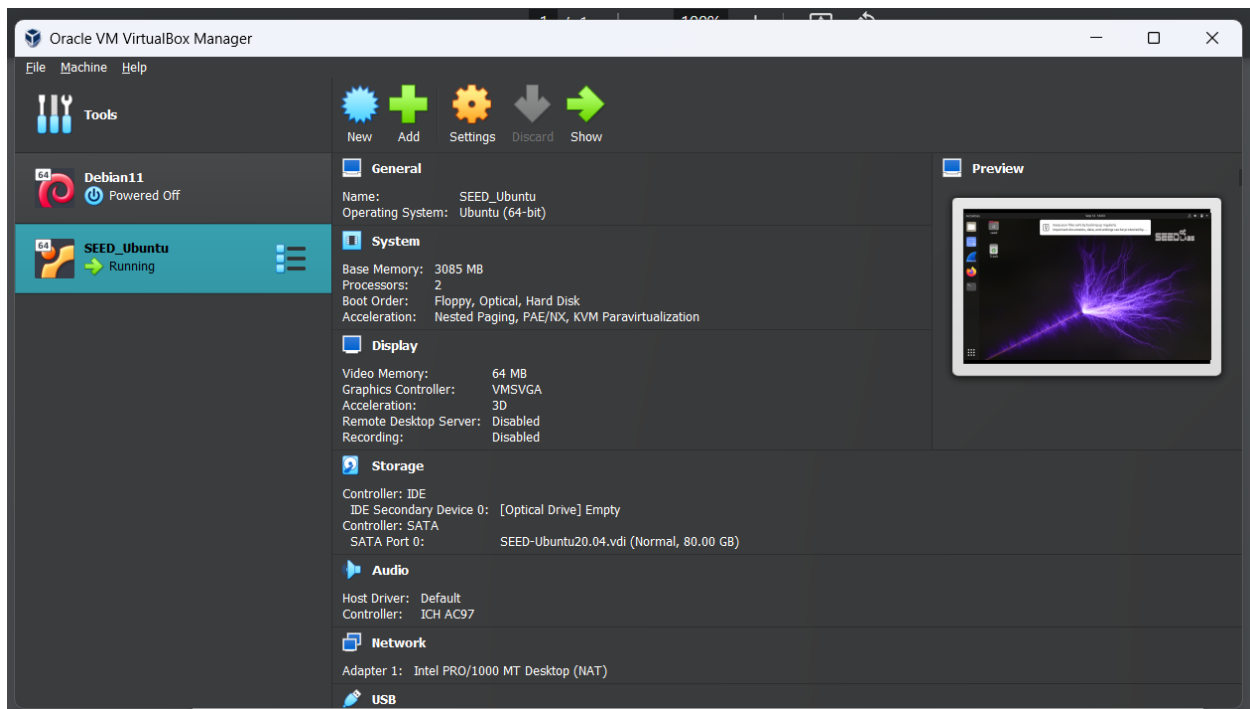
Submitted By:

Navjot Makkar (Student ID:- 110100116)

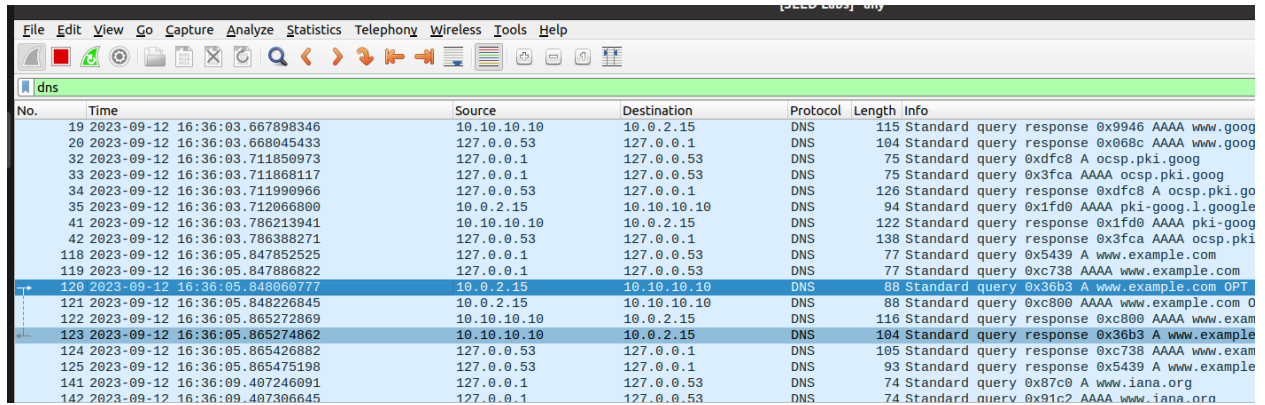
1. Complete the SEEDLAB setup. You can set up on your computer or cloud (if your computer is not possible). Provide a screen shot as a proof of completing your task.







2b. The source IP address of the DNS query packet will be your IP address and the destination IP address of the DNS query packet will be the DNS server's IP address. What is the ip address of this DNS server? What is the ip address of your machine?



No.	Time	Source	Destination	Protocol	Length	Info
19	2023-09-12 16:36:03.667898346	10.10.10.10	10.0.2.15	DNS	115	Standard query response 0x9946 AAAA www.goog
20	2023-09-12 16:36:03.668045433	127.0.0.53	127.0.0.1	DNS	104	Standard query response 0x068c AAAA www.goog
32	2023-09-12 16:36:03.711858973	127.0.0.1	127.0.0.53	DNS	75	Standard query 0xdfc8 A ocsdp.ki.goog
33	2023-09-12 16:36:03.711868117	127.0.0.1	127.0.0.53	DNS	75	Standard query 0x3fca AAAA ocsdp.ki.goog
34	2023-09-12 16:36:03.711998966	127.0.0.53	127.0.0.1	DNS	126	Standard query response 0xdfc8 A ocsdp.ki.go
35	2023-09-12 16:36:03.712066800	10.0.2.15	10.10.10.10	DNS	94	Standard query 0x1fd0 AAAA pki-goog.l.google
41	2023-09-12 16:36:03.786213941	10.10.10.10	10.0.2.15	DNS	122	Standard query response 0x1fd0 AAAA pki-goog
42	2023-09-12 16:36:03.786388271	127.0.0.53	127.0.0.1	DNS	138	Standard query response 0x3fca AAAA ocsdp.ki
118	2023-09-12 16:36:05.847852525	127.0.0.1	127.0.0.53	DNS	77	Standard query 0x5439 A www.example.com
119	2023-09-12 16:36:05.847886822	127.0.0.1	127.0.0.53	DNS	77	Standard query 0xc738 AAAA www.example.com
120	2023-09-12 16:36:05.848068777	10.0.2.15	10.10.10.10	DNS	88	Standard query 0x36b3 A www.example.com OPT
121	2023-09-12 16:36:05.848226845	10.0.2.15	10.10.10.10	DNS	88	Standard query 0xc800 AAAA www.example.com 0
122	2023-09-12 16:36:05.865272869	10.10.10.10	10.0.2.15	DNS	116	Standard query response 0xc800 AAAA www.exam
123	2023-09-12 16:36:05.865274862	10.10.10.10	10.0.2.15	DNS	104	Standard query response 0x36b3 A www.example
124	2023-09-12 16:36:05.865426882	127.0.0.53	127.0.0.1	DNS	105	Standard query response 0xc738 AAAA www.exam
125	2023-09-12 16:36:05.865475198	127.0.0.53	127.0.0.1	DNS	93	Standard query response 0x5439 A www.example
141	2023-09-12 16:36:09.407246091	127.0.0.1	127.0.0.53	DNS	74	Standard query 0x87c0 A www.iana.org
142	2023-09-12 16:36:09.407306645	127.0.0.1	127.0.0.53	DNS	74	Standard query 0x91c2 AAAA www.iana.org

The packet id 120 is the packet sent by my machine and packet id 123 is received as response of it.

The source IP address of packet id 120 here denotes my **machine IP address**, which is **10.0.2.15** and destination IP address is the **DNS server IP address** is **10.10.10.10**