I confirm that I will keep the content of this Lab confidential. I confirm that I have not received any unauthorized assistance in preparing for or writing this Lab. I acknowledge that a mark of 0 may be assigned for copied work."

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Student number: 110124156

LAB 1

Master of Applied Computing

Networking & Data Security

COMP 8677

University of Windsor

Submitted By:

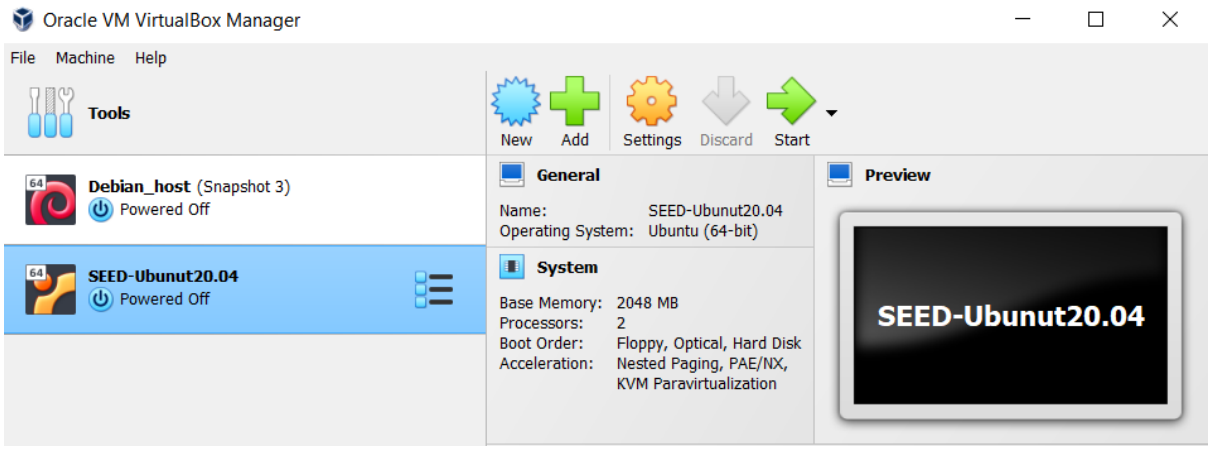
Siddharth Samber

110124156

Submission Date:

23 January 2024

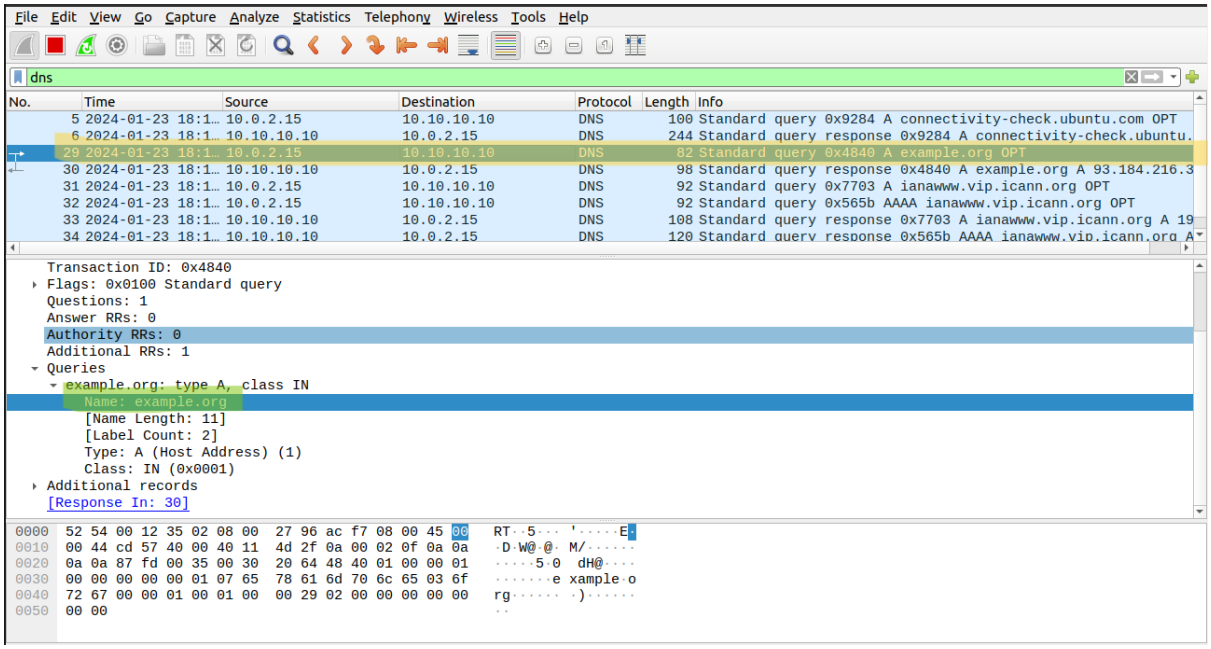
1) SEEDLAB SETUP



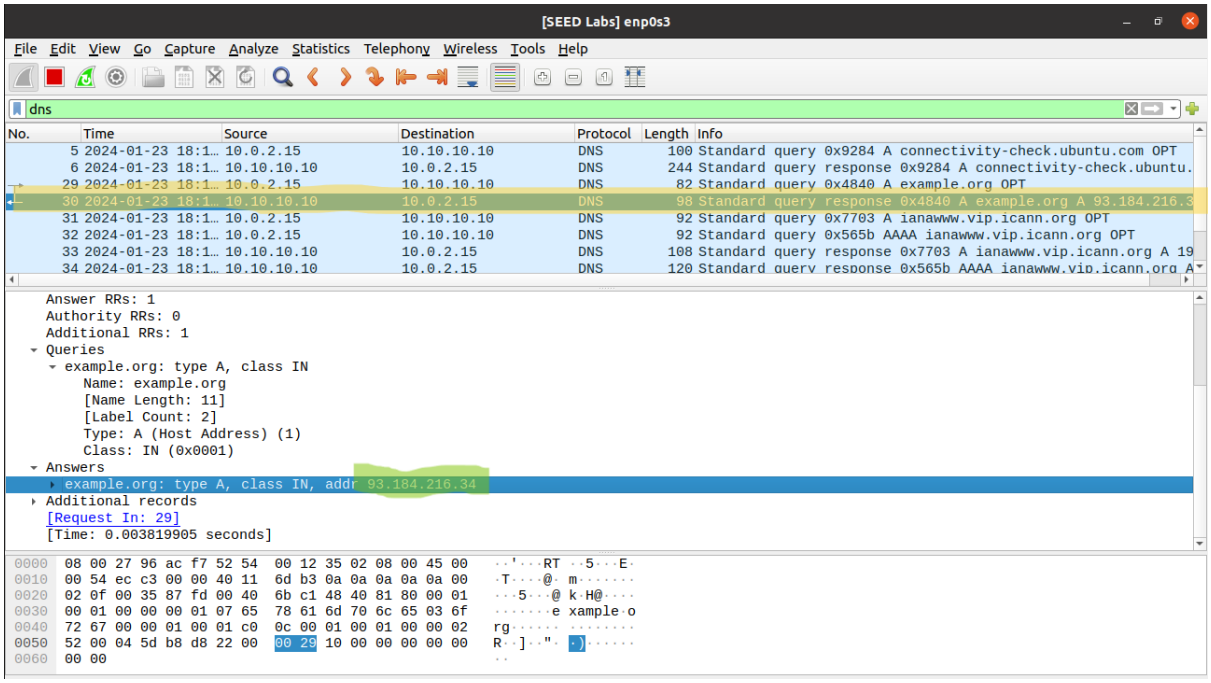
SEEDLAB Setup on your computer using Virtual Box has been successfully done.

2) SNIFFING HTTP PACKET

PART A

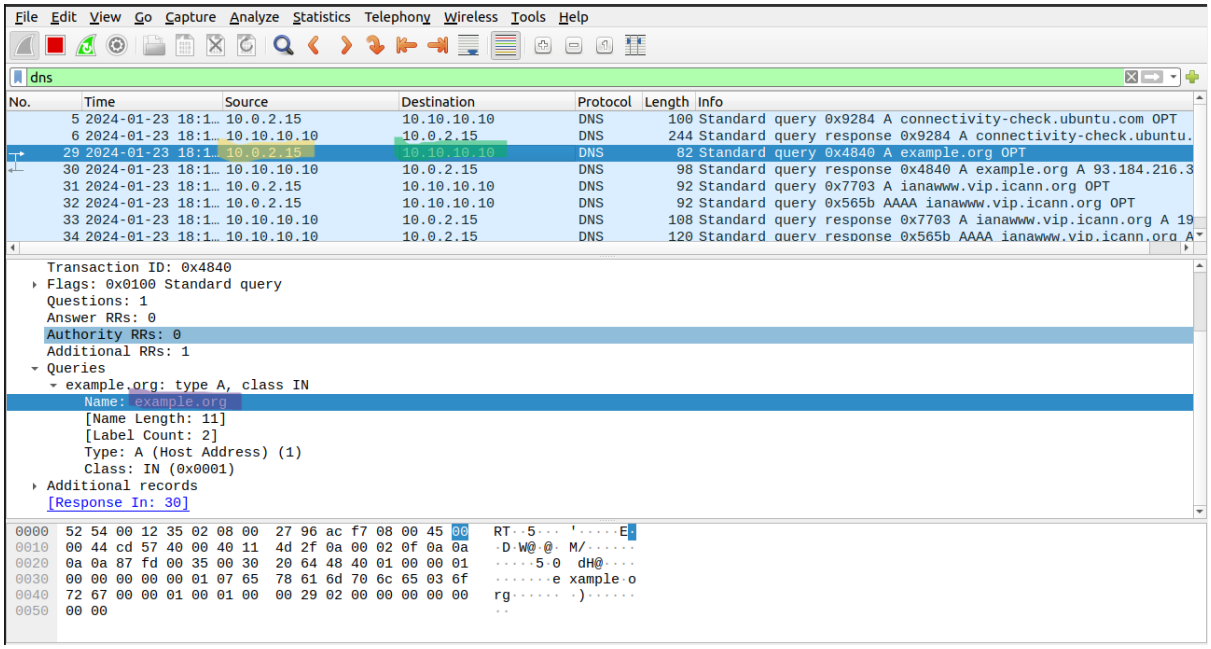


- Highlighted in **yellow** is DNS **request packet**
- Highlighted in **green** is the **Domain name** of website example.org

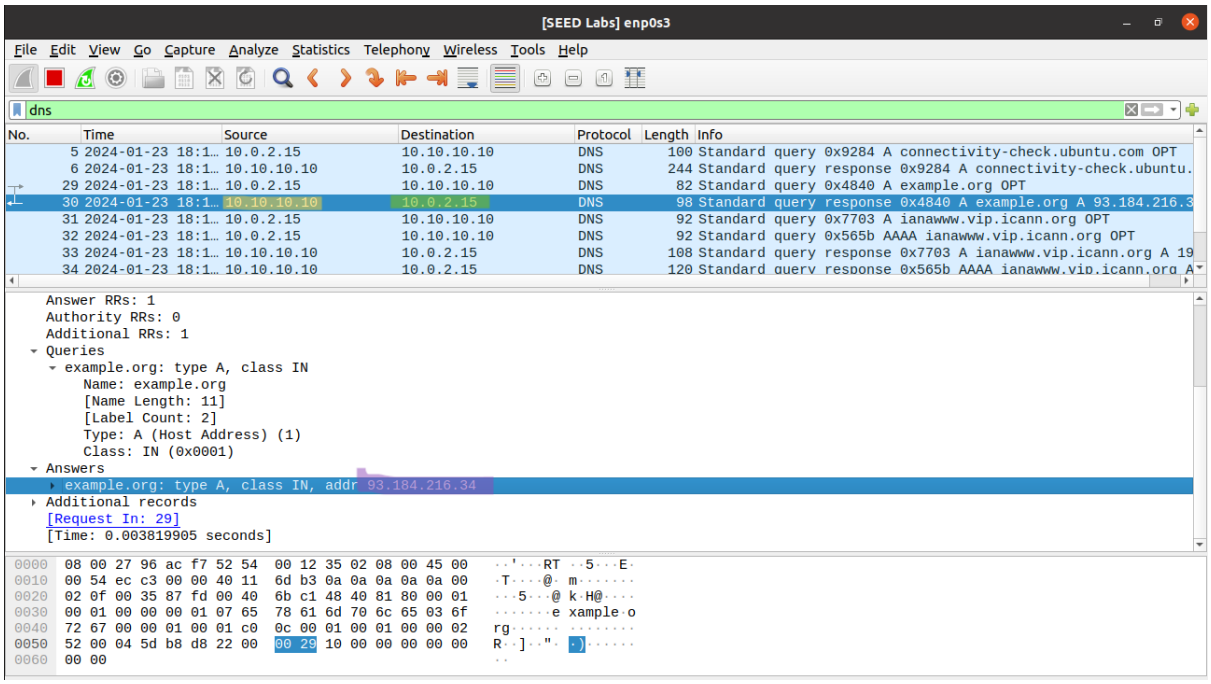


- Highlighted in **yellow** is DNS **response packet**
- Highlighted in **green** is the **IP address of website** example.org which is 93.184.216.34

PART B



1) Highlighted in **yellow** is **IP address of our machine** which is 10.0.2.15
   Explanation: Source address of request packet is IP address of our machine
2) Highlighted in **green** is the **IP address of DNS Server** which is 10.10.10.10
   Explanation: destination address of request packet is IP address of DNS server.
3) Highlighted in **purple** is the **domain name** of our server



1) Highlighted in **yellow** is **IP address of DNS Server.** Which is 10.10.10.10
   Explanation: Source address of response packet is IP address of DNS server
2) Highlighted in **green** is the **IP address of our Machine.** Which is 10.0.2.15
   Explanation: Destination address of response packet is IP address of our machine
3) Highlighted in **purple** is the **IP address of our server** which is 93.104.216.34
   Explanation : Answer contains IP address of server

CONCLUSION

Sniffing of DNS request and response packets and setup of SEEDLAB successfully completed.