



# Unit 4 Performance Assessment

## Equipment/Supplies Needed

- Computer with internet access
- VMware Workstation Virtualization Software
- Linux Installation File: Debian VM

## Procedure

Perform the steps in this lab in the order they are presented to you. Answer all questions and record the requested information. Use the Linux Virtual Machine to perform lab activities as directed. Unless otherwise stated, all tasks done as a non-root user. If root access is needed use the `sudo` command.

## Assignment

You are being requested to gather preliminary data on the following network location prior to pentesting:

**scanme.nmap.org**

### Process

1. Use the ICMP tool *ping* determine the IP address of the given network name:

IP: \_\_\_\_\_

2. Using the *Nmap* tool determine the ports open and services exposed:

Port: \_\_\_\_\_ Service: \_\_\_\_\_

Port: \_\_\_\_\_ Service: \_\_\_\_\_

Port: \_\_\_\_\_ Service: \_\_\_\_\_

Port: \_\_\_\_\_ Service: \_\_\_\_\_

Port: \_\_\_\_\_ Service: \_\_\_\_\_

Port: \_\_\_\_\_ Service: \_\_\_\_\_

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Port: \_\_\_\_\_ Service: \_\_\_\_\_

Port: \_\_\_\_\_ Service: \_\_\_\_\_

Port: \_\_\_\_\_ Service: \_\_\_\_\_

3. Using the ARIN.net registrar determine the following:

The location:

Street: \_\_\_\_\_

City: \_\_\_\_\_

Zip code: \_\_\_\_\_

Who is the NOC contact?: \_\_\_\_\_

NOC phone number: \_\_\_\_\_

What is the top level domain: \_\_\_\_\_

*Analysis*

1. Using your preliminary discovery, what can you say about:

Range of target Ips: \_\_\_\_\_

The most likely service/ports available for attack:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- 
2. Of the service ports you identified which three (3) would you advise the admins to consider first:

#1: Port: \_\_\_\_\_ Service: \_\_\_\_\_

#2: Port: \_\_\_\_\_ Service: \_\_\_\_\_

#3: Port: \_\_\_\_\_ Service: \_\_\_\_\_

## Rubric

### Checklist/Single Point Mastery

<u>Concerns</u> Working Towards Proficiency	<u>Criteria</u> Standards for This Competency	<u>Accomplished</u> Evidence of Mastering Competency
	Criteria #1: Student completed Process section, number 1 (20 points)	
	Criteria #2: Student completed Process section, number 2 (20 points)	
	Criteria #3: Student completed Process section, number 3 (20 points)	
	Criteria #4: Student completed Analysis section, number 1 (20 points)	
	Criteria #5: Student completed Analysis section, number 2 (20 points)	