**Nmap Section Lab Environment Preparation**

**Overview**

In this section, you will learn how to perform different enumeration scans against multiple vulnerable targets.

**Enumeration**

Enumeration is defined as establishing an active connection with the target hosts to discover potential attack vectors in the system. These same vectors can then be used to further exploit the system.

Enumeration can be used to gather the following information.

* Usernames, Group names
* Hostnames
* Network shares and services
* IP tables and routing tables
* Service settings and Audit configurations
* Application and banners
* SNMP and DNS Details