**CIT 485 ADVANCED CYBERSECURITY-**

**Lab3: Vulnerability Scanners**

The purpose of this lab is:

**Lab3-1: Infrastructure Vulnerability Scanners**

After completing this lab, you will be able to:

* Perform a Scan Using the following scanners:
* Nessus
* OpenVAS

**Lab3-2: Web Application Scanners and Vulnerability Identification and Remediation**

After completing this lab, you will be able to:

* Use OWASP Zed Attack Proxy (ZAP)
* Use Nikto
* Install Updates Manually
* Enable Automatic Updates

Lab Instructions:

We assume you have completed lab0 and have created and activated your practice labs account. If you have not done that yet, please refer to lab0 instructions in Canvas, Week1, Lab0 section.

**1) Lab3-1: Infrastructure Vulnerability Scanners (50-point)**

- Enter your credentials and the domain name at: [www.practice-labs.com/login.aspx](http://www.practice-labs.com/login.aspx)

- On the “your available practice labs”, select CS0-002- CompTIA Cybersecurity Analyst

- From the lab guide, select Enumeration

- When the lab module’s exercise opens, click Start

- Follow instruction and make sure you understand and go through all the provided information.

Lab **Submission**

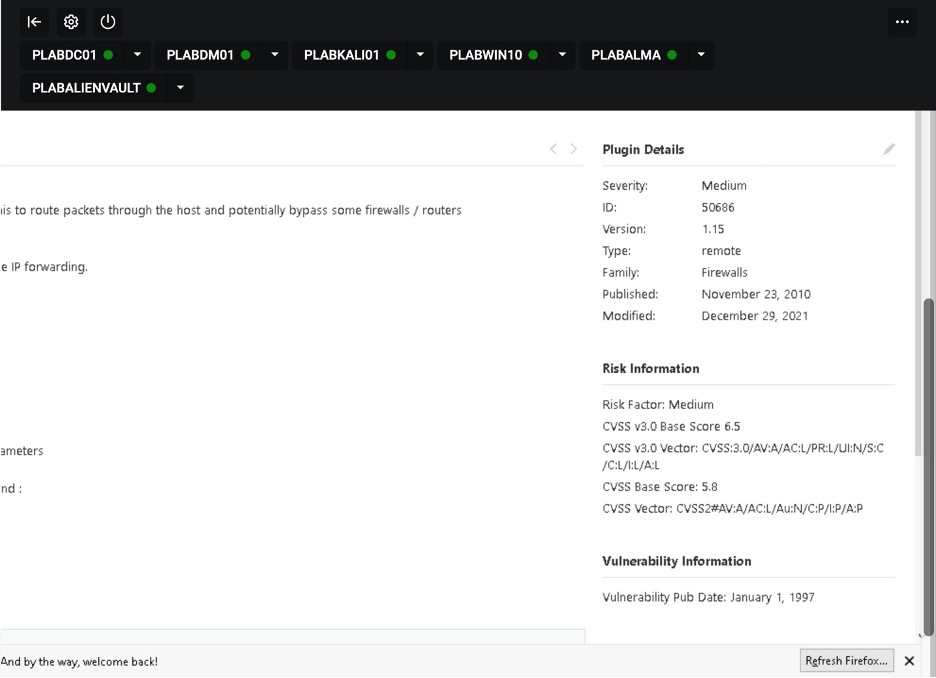
Please make sure to do all the exercises.

**Exercise 1 - Use Nessus**

**Task 1 - Perform a Basic Scan**

#### **Perform the Step 1 - Step 29 Perform a Basic Scan and copy and paste the screenshots here. Remember to provide a title to each screenshot. Screenshots without title will not be graded.**

**Basic PLAB Scan**



## 

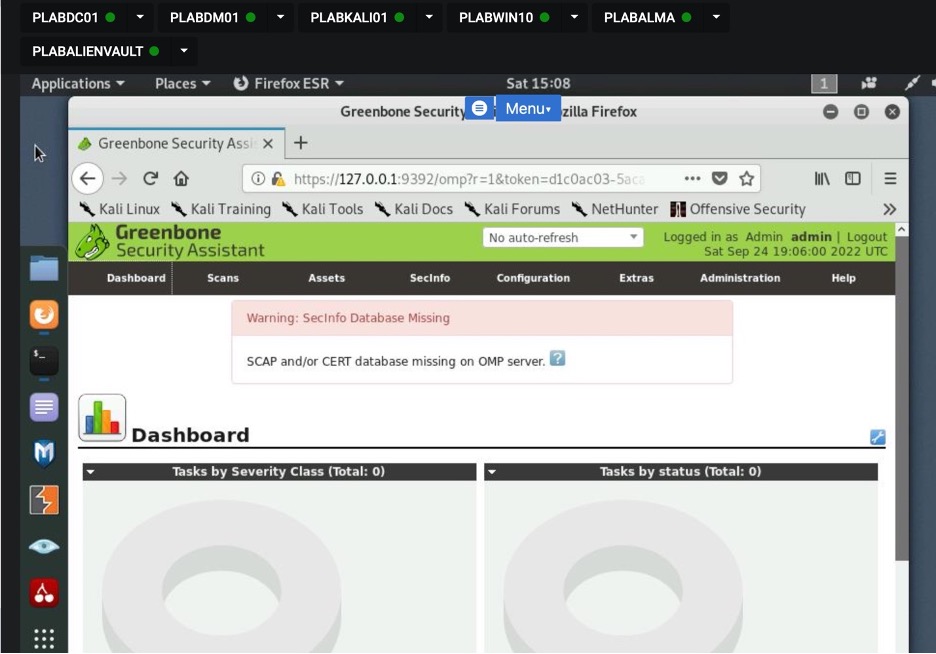
## 

## **Exercise 2 - Use OpenVAS**

**Task 1 - Starting up OpenVAS**

#### **Perform the Step 1 - Step 4 Starting up OpenVAS and copy and paste the screenshots here. Remember to provide a title to each screenshot. Screenshots without title will not be graded.**

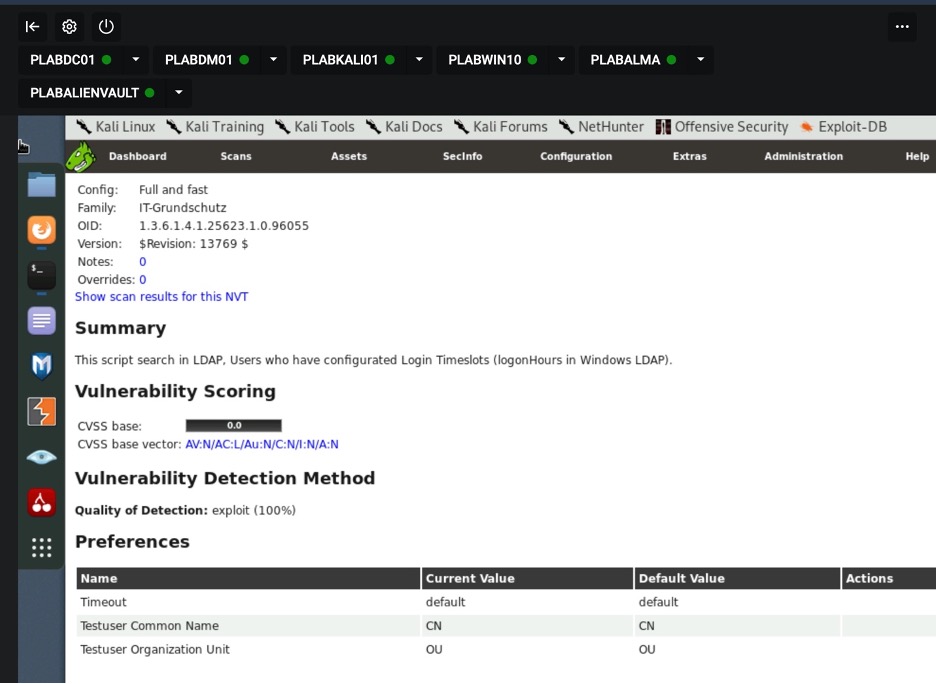
**Opening VAS/Start up**



**Task 2 - Using OpenVAS**

#### **Perform the Step 1 - Step 14 Using OpenVAS and copy and paste the screenshots here. Remember to provide a title to each screenshot. Screenshots without title will not be graded.**

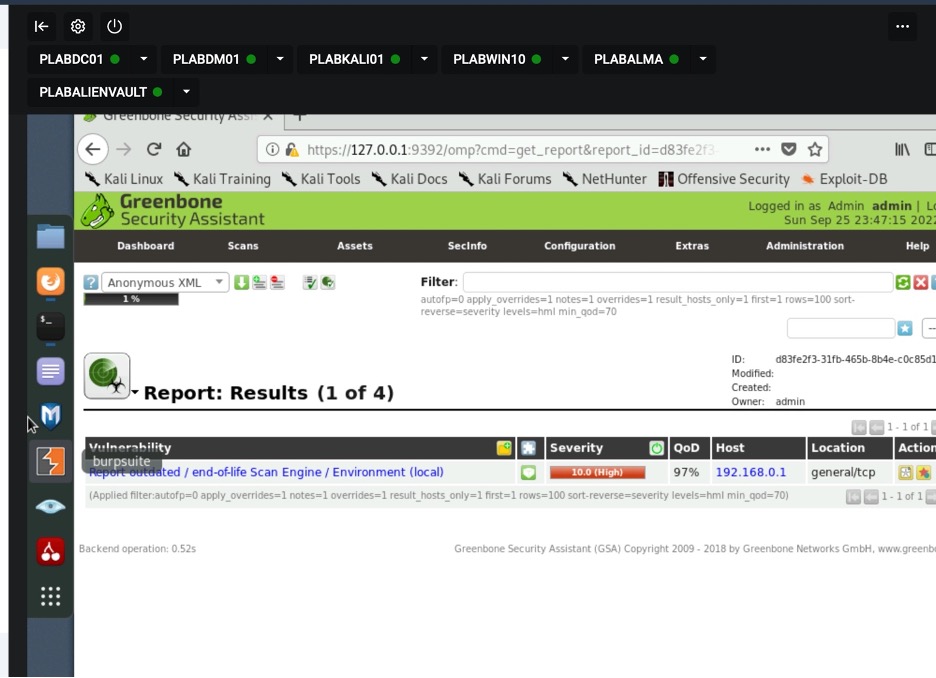
**Using OpenVAS/ Scan config NFT Details**



**Task 3 - Scanning Using OpenVAS**

Perform the Step 1 - Step 10 **Scanning Using OpenVAS** and copy and paste the screenshots here. Remember to provide a title to each screenshot. Screenshots without title will not be graded.

**Scanning using OpenVAS**



**(P.S. I tried to let the OpenVAS scan to 100% but after a half hour it was still at 1% and as I was doing the lab my mouse in the VM stopped working and has to use the tab and enter button in order to get things working properly so this is the best I was able to do during this time)**