Nessus Teacher Workout Instructions

Logging on to Your Computer:

- Log into the Guacamole web server using the credentials provided.
- You may have to refresh the page if a screen does not come up.
- Then, you will log in automatically.

Accessing Nessus:

The remainder of the workout will be conducted from within the virtual machine.

- From within the virtual machine, open Internet Explorer and navigate to **https://10.1.1.27:8834** (does not work with http)
- You will see a warning window popup. Click **More Information** then click **Continue to this Website.** The Nessus service may take a couple minutes to initialize.
- Once you see a log in screen, use *cybergym* and *Let's workout!* as the username and password.

Starting a scan:

- Click close to exit the popup window once logged in.
- Click the top right button that says **New Scan**
- Select **Basic Network Scan**

This will send you to a form under *New Scan/Basic Network Scan.* You should see three tabs, ***Settings, Credentials,*** and ***Plugins.***

- In the **Settings** tab, give the scan a name and in the target box, type in **10.1.1.27**

- In the same form, click on the tab labeled **Credentials** then select **Windows.** Fill out the *Username Password* fields with *cybergym* and *Let's workout!* as the username and password.
- Click the save button when done.
- The scan you just created should now appear in **My Scans**. Select the scan and then click the launch button at the top right. The scan will take about 10 minutes to run.

- Once the scan is complete, click on the scan to see the scan results. Students should see a total of 5 tabs: *Hosts, Vulnerabilities, Remediations, Notes,* and *History*

> If any of those tabs are missing from within the scan results page, students may have misconfigured the scan and should create a new one.

- Students are now able to work on the assessment questions found on the respective Student landing pages.

Assessment Answer Key:

1. **What version of Windows is used on the scanned system?**
   a. Windows Server 2019 Datacenter
      i. This is found in the **vulnerabilities** tab under the item **OS Identification**.
2. **What KB patch on the Remediation tab is recommended to install?**
   a. KB4551853
      i. This is found in the **Remediation** tab, you should see an item that says **Install KB4551853**.
3. **What is the month and year for the critical vulnerability for the Microsoft .NET Framework?**
   a. January 2020
      i. This is found under the **Vulnerabilities** tab under the item **Micros oft .NET Framework (Multiple Issues).** There should be two items one should say critical. It will give the answer.
4. **What version of Adobe Flash Player is recommended to upgrade to?**
   a. 32.0.0.330
      i. This is found in the **Remediation** tab, you should see an item that recommends you upgrade Adobe Flash.