README

Friday 11th December, 2020

Grad Project

1. The name of this Project is "F4rmC0rp's New Start".

2. **Exercise Document** describes what work is needed to be done to exploit the target.

3. The target machine can be downloaded by clicking ' Target Machine '

4. The username is osboxes and the password is 'balderdash' (without quotes)

5. The description of work required to prepare this VM is given in **Configuration Method** File

6. Sample report is given in **Assignment Report** File

7. This file has the 'Amount of Work' and the 'Self Assessment' of the work.

Amount of Work

Quite frankly, I have realised that making a vulnerable machine is not an easy task. (I wonder how people remain vulnerable)

- I have put around **25-30 hours** of work for this project. I have imported the VM's at least 8 times trying to get the right combinations of OS, php version, mysql version, apache version and drupal version.

- The inital time put was for understanding what drupal is and trying to install it on my own's purchased ubuntu server. This took me around **3-4 hours**.

- Next, I tried to do the same setup on ubuntu 20.04, 18.04 and 14.04 (my server's version) with all permutations of versions of php, apache and mysql. I had to make them work for Drupal version 7.57 because the versions after that are patched.

  For this, I was working around for 2 days continuously giving around **15 hours** because the exporting, importing, downloading, installing, etc takes time.

- I finally got the right matching of versions and it took me around **1-2 hrs** to set it up and export.

- Making a webpage and adding little CSS and Javascript took around **3 hrs** because i made it from scratch.

- Adding keys and stuff took me **1 hour**.

- Testing was done in between in most of the steps and the testing time is included in that.

- Creating an exercise document, writing a report and writing this document took around **2 hours**.

- I was also trying to do something extra which I tried on my server first and succeeded but it failed on the VM. I was trying to create a honeypot by opening a socket on port 3306 and letting the attacker connect to it using telnet. This, I was trying to do for fun on my server, but i tried to recreate it unsuccessfully on the target VM. This had taken me like **10 hours** to do on server but on VM, it took me less than **2 hours**.

Self Assessment

Parameter	Grade	Description
Efforts in understanding and creating a vulnerable target	100	Apparent from the amount of work
Time put	100	Difficult because of the workload of 2 other heavy courses and doing CTF's too
Overall rating for myself	98	Could have done something more