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NSSECU2 – S12

PROJECT MILESTONE #1 – Update on Status of The Project

I.   NAME OF THE TOOL

I have decided to give my Scanning Tool the name ScanoPydia. The name is a combination of three words, "Scan", "Python", and "Encyclopedia". Scan came from the project requirement, which is a Scanning Tool, Python is the programming language to be used, and lastly, Encyclopedia came from the idea that sufficient information would be provided regarding the scanned hosts and ports.

II.   PROGRAMMING LANGUAGE

For the programming language to be utilized in this project, I have chosen Python. Python will be used since to me, Python is one of the easier languages that I can use and it is one of the languages that I feel most comfortable using given the project specifications.

III.   PROJECT IMPLEMENTATION

In order to successfully implement the project, I have done my fair share of research in order to get ideas on how to do ICMP and TCP Scans. I plan on trying to successfully create the packets first before trying to do the actual scanning. As for doing the actual scanning, I plan on trying to do ICMP before TCP since I do think that once I am able to successfully do ICMP, it would be easier for me to do all the TCP and other scans required. For it to be easier on my end, I plan on doing the different and additional features, except the different scans, for last since I think that it would be easier to debug any errors that may come up once those features are implemented. With regards to testing the code, I want to first try the code in my own personal machine then within the virtual machine assigned, first within the **student** environment then next, within the

labtainer iptables2 environment. This is my way of ensuring to see any and all possible errors that could occur.

IV.   CODING STATUS

What I have done is to have my own milestones and divide the project into different parts allowing me to check my own progress and to make sure that I can get the project done on or before the given deadline. Currently, the coding status of this project is at a minimal, around 2 out of 9 milestones, since I have only just recently started coding this project.

V.   PERCENT COMPLETED

Since I did divide the project into 9 different milestones, adding the additional requirements such as the instruction manual, documentation and comments within the source code, and other such requirements, I would say that there are roughly about 10 milestones for me. With that in mind, I am currently at 20% with 2 out of 10 milestones completed.