

CENG491

THE CODEFATHER INC. WEEKLY REPORT 2

This was the second week of our project. After the meeting with our assistant we decided to choose "Auto-Identification/Classification of Common IP Protocols" project, instead of network simulation. So we had to start a new topic. We decided to begin with searching basic protocols and structure of pcap files. Within our team members we divided our work into four pieces and each member did his work individually as described below.

Abdulkadir Vardar:

This week, I searched some similar project done before. The most famous one was Wireshark which is an open source project. I tried to use wireshark and saw the capabilities of the program such as capturing and analyzing pcap files.

Erol Serbest:

This week, I made research about the network application layer protocols such as http, ftp, pop3, smtp, imap. Application layer was important because it interfaces directly to and performs common application services for the application processes. I have learned some basic information about these protocols especially the ones used for mail applications such as smtp, pop3 and imap.

Huseyin Sozer:

My work for this week was having an idea about network layer protocols especially TCP, UDP and TCP/IP. This layer solves the problem of getting packets across a single network and it is important to understand the structure of these protocols to be able to start the project.

Irfan Goren:

This week I made some web research about the structure pcap files which will be provided us as the project argument. During the project, we will be working on this type of files and try to understand the structure of it. I found some libraries such as libpcap and winpcap which are widely used to sniff and analyze the pcap files.

Next Week Plan:

Next week, we will continue on our research about the topic. Additionally, we will come together and discuss the results of our works. We may exchange the topics between the group members in order to synchronize the knowledge about the baseline of the project.