

## Weekly Report 2.6

### This week:

- Text based protocols were tested, and bugs were fixed.
- POP3Matcher class was extended for better performance.
- FTPMatcher class module started to capture the downloaded files.
- Database module was initiated.
- SVM parameters were implemented.
- User Interface module became functional.

### Next Week

- Integration with libsvm.
- Better database support.
- Start implementing the binary protocol. (YMSG)

**Can Hoşgör:** This week, everybody worked on the code to make it ready for the first release. For my part I worked on the user interface and decoder modules. I made some changes to the decoder engine that made capturing files transferred over a ftp session possible. Also I completed the unfinished parts of the user interface so that now every connection is correctly displayed under the connection panel, and the summary viewing pane is fully functional. I added very basic database support to the connections. Additionally I took part in testing the code, found and corrected a few errors in the SMTP class.

**N. İlker Erçin:** This week, I and Çağla generally worked together to finish the FTP matcher class until the first release. The code was not tested extensively until the last two days. So we prepared some pcap files for the test cases and spent most of the time testing the code. While debugging have discovered a strange and important bug that was present in all of the protocol matchers, and corrected it. Next week I'm going to help Çağla with the database module and add some improvements to the FTP class.

**Elvan Gülen:** Previous week, the SVM class structure was implemented and this week I changed a few things on it and added the function implementations which are calculating the SVM parameters. I was planning to integrate the Code with SVMLight but after talking Tolga Can, we decided to use SVM or maybe the TinySVM which integration is quite easier than SVMLight. Besides, I had a research on MSN protocols, but I couldn't find any binary part of it so after researching and finding some unofficial documentation of YMSG, we decided to identify YMSG. Also I spent most of my time on testing and I rechecked some errors with POP3 and added a few overlooked rules to the POP3Matcher class. Next week, I am planning to work on the SVMclass and forming the input files for the libSVM.

**Çağla Çığ:** This week I spent most of my time on testing the project. I found some bugs with the protocol matcher classes and corrected them. Also I added some necessary statements to FTPMatcher class. We have a simple database module but it needs to be developed so I'll try to work on the database module next week go on testing the FTP module. Also I and İlker will work on the FTP module for capturing the uploaded files.