

3.5.2008

EsSoft Weekly Progress Report #10

Team Report:

This week, we have added the support vector machine feature to our project by using the libsvm library. We have finished our project's interface that shows the packet content. And begin implementation of YMSG that is binary protocol. Also we had a demonstration on Friday.

Arda GÜÇLÜ:

This week, I have developed model file for support vector machine, and developed pop3 identification mechanism. Additionally, I analyzed the libsvm library for auto-sensing mechanism.

Müjdat BAYAR:

After correcting the errors for libsvm library, I examined the library working principle. It needs a model file to use for classification. Model file format is examined. Then I integrated the code that makes a classification of packets into the project after getting the model files from Arda and Kerem. I will work on the optimization of libsvm changing the classification parameters.

A.Gencay DEMİREL:

In this week I finished the packet data content viewer part of the interface. I am working on the improvement of this part. And next week I will work on the logging part of the project. We will implement a logging mechanism.

Kerem OZARKAN:

In this week, I worked on YMSG protocol structure to add extra attributes for our svm model. I found some labels like "c0 80". Next week, I will continue to improve our svm model by adding some new attributes.

Next Week Plan:

Next week the first job is adding new features to svm. We will also make some optimizations on the svm part of the project. We plan to add a logging mechanism and Gencay will work on it. YMSG protocol will be examined well and improved.