# Log Challenge

Regarding the Log file challenge, you were asked to:

Find instances of the below in the log file

- Login

- How many licenses are being used

- Logout

- Disposition of transactions

Observing the amount of information, if I were knowledgeable or created it, it would be a simple search, but when we found something more unknown, we tried to decipher the context according to the message.

As I didn't know the log generator, I decided to create a console app that reads and counts the occurrences of each one:

- Login => I searched for the keys "CStrSockSrvr"

- How many licenses are being used => I searched for the key "CLicenseManager"

- Logout => I looked for the "SocketThread" and "MiscConn" keys

- Disposition of transaction => I searched for the key "Ktr[32c4]>"

According to the attached executable along with reading the file, I show below the number of times of each occurrence

//result => Connections => 838; Licenses => 541; Exits => 2077; ShowTransactions => 3289;