

Weekly reports

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Week 1

During this week I was mostly studying the basic principles of hash cracking and rainbow tables. I have never done anything like this before, but I think I now handle the basic principles of how rainbow tables work.

It is still unclear to me how to optimize my code for cracking hashes, since I don't know how exactly JVM handles memory allocations and such. For example I'm uncertain whether I should use byte arrays in my code, or convert those arrays into long values. I'm sure that as my code progresses I will find an answer to these problems.

I started coding the very heart of the algorithm, the reduction function. It seems to be working correctly, but as stated before, I am uncertain whether it's efficient enough. I also managed to code a class for generating rainbow tables and saving them into a file.

Next I'm going to proceed to the actual hash cracking part.