

COMP 8005

Assignment 3

Report

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Purpose

Create a password cracker that works with threading and can crack all 5 algos

Requirements

tasks	status
You will create a password cracker that supports the following UNIX password hashing algorithms	Implemented

Platforms

- Arch
- Ubuntu
- Fedora

Languages

- python

Documents

- [Design](#)
- [Testing](#)
- [User Guide](#)
- [Report](#)

Findings:

For SHA-256 my prediction is that it will take 5 mins. When I ran the script it took 262.66s which is around 4 mins. For CPU-bound work like hashes, if each thread saturates a core and you oversubscribe cores you get at best linear until cores saturate after that speedup stalls or even decreases due to cache thrash.