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CS: 568 | Fall 2020
Project Update III:

Completed Milestones:

- We selected and installed 10 popular open source C libraries:
    - https://github.com/redis/redis
    - https://github.com/Genymobile/scrcpy
    - https://github.com/bilibili/ijkplayer
    - https://github.com/cloudwu/skynet
    - https://github.com/hashcat/hashcat
    - https://github.com/microsoft/winfile
    - https://github.com/offensive-security/exploitdb
    - https://github.com/OpenVPN/openvpn
    - https://github.com/PowerShell/Win32-OpenSSH
    - https://github.com/id-Software/DOOM/blob/master/linuxdoom-1.10/d_main.c
- We have started producing trivially simple C programs with buffer overflows and compiled them into WASMs that run within Chrome.
- We started on the main tool, using wasabi (https://github.com/danleh/wasabi)

Status Update:

Our automation tool dubbed 'spyC-wasabi' is the focus of this update as it allows us to quickly traverse multiple C source files and output Wasabi analysis to individual directories for review. We are currently working on going through the results from the above 10 and trying to identify the most beneficial findings. The tool is near the final stages of development and once completed it will allow us to spend more time in review to add our findings to the paper.

Upcoming Milestones:

(11/16) Refresher in LateX formatting, create the final document and import abstract, limitation, and any other writing. -Discord Group Meeting 6pm-

(11/23) Conclude the majority of the technical testing and finalize the analysis code that will be used to refine wasabi's findings

(11/27) Complete LaTex Documentation

(11/28) Post-Proofreading / Edits

(11/29) Final group paper-review and presentation preparation