



A Simple Scan: Data Acquisition on Mobile Phones

Caitlin Faulkner-MacDonagh
College Park Scholars – Science & Global Change Program
Major: Computer Science
cmac23@umd.edu
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Activities:

I generated data between me and another intern on messaging and social media apps through a variety of different ways of communicating on each app. After generating data, phones were scanned. Once the scans were done, we examined the SQL files for every app. Then once we put together information, we use SQL code to isolate our results. Information from these scans and files were compiled into its own document. We sent off the data and information to our supervisor.

Issue Confronting Site:

Messaging and social media apps update and can change very fast. In order for ADF to keep up with each application for its products, it needs to be on top of every update.

Site Information:

Advanced Digital Forensic Solutions (ADF Solutions)

11654 Plaza America Drive #501, Reston, VA 20190 USA

Site supervisor: Andrew Gorham

Task: Generate and collect data produced via messages on various different communication platforms

Introduction:

ADF Solutions specializes in providing fast, scalable, and user-friendly solutions for both field investigators and forensic examiners. They make applications that help law enforcement with digital crimes, such as human trafficking and CSAM.

Impact:

Since social media and online chat rooms are so prevalent in society. Cyber crime is a fairly recent development that needs monitoring. So understanding how a variety of apps store messages and interactions can aid in investigations.

Target Devices and OS

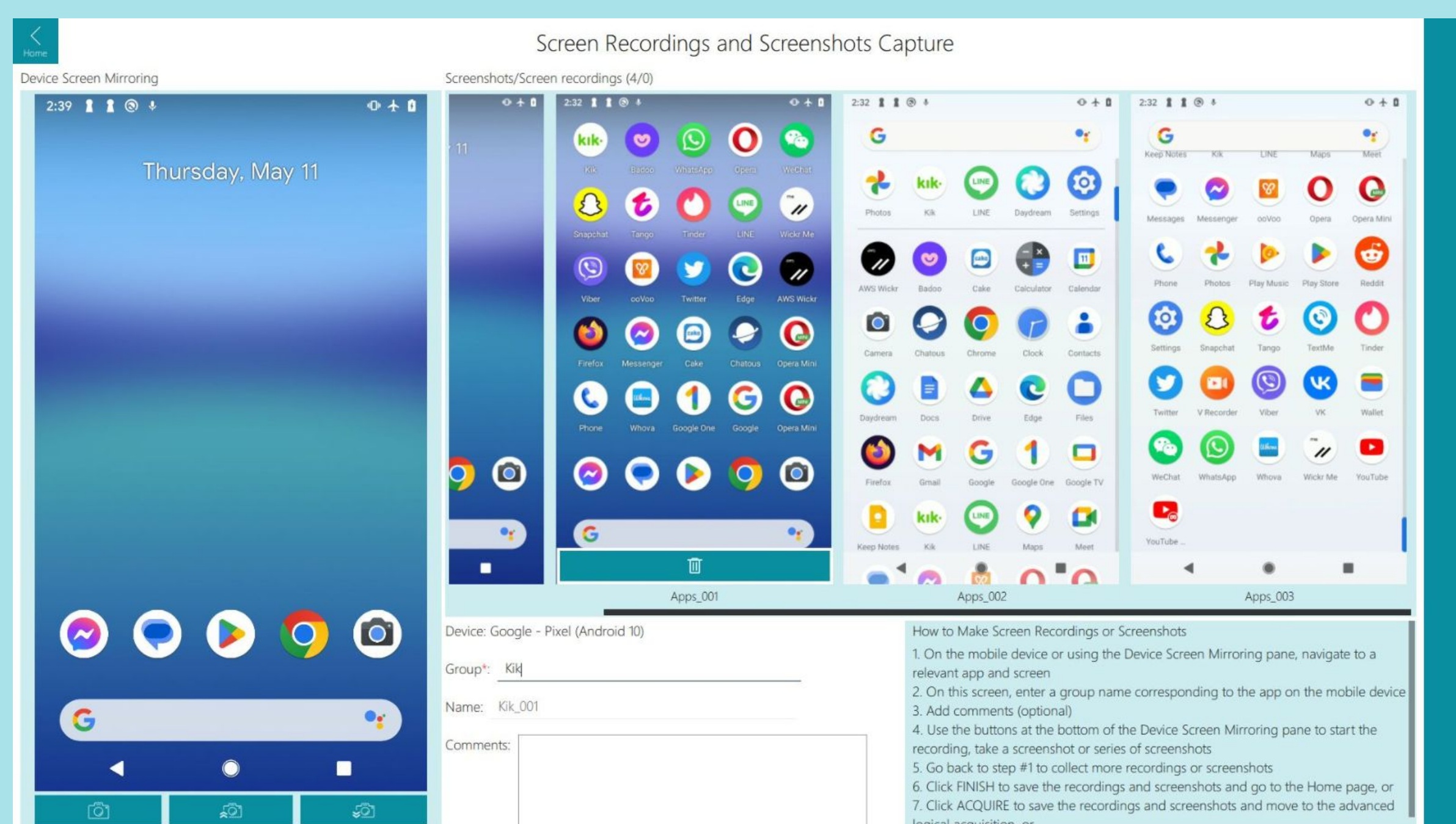


Discussion:

In order for people to investigate cyber crimes, the investigative program must be kept up to date with how applications store and manage digital artifacts (i.e.: messages, images, IP Addresses, payment transactions, etc...)

Future Work:

I will be returning to ADF Solutions for another summer internship in 2025!



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