

CprE 491 - sdmay19-38

Android App Forensic Evidence Database

Weekly Report 8

11/08/2018 - 11/15/2018

Client: Neil Gong and Yong Guan

Faculty Advisors: Neil Gong and Yong Guan

Team Members:

Mitchell Kerr -- Tech Lead

Connor Kocolowski -- Report Lead

Emmett Kozlowski -- Meeting Scribe

Jacob Stair -- Testing Lead

Matthew Lawlor -- Meeting Facilitator

Past Week Accomplishments

- Containerization
 - Researched how the docker containers would work with our flask apps and system. We were able to see how dockerfiles work and that it would work for setting up our flask apps. We want to make each flask app its own container to make it easier to deploy and separate them.
 - In addition, there was research into how kubernetes works and validating that it is the correct technology choice for us. There is some concern that it may not be the best choice for us and is addressed in pending issues.
- Achieved Round Trip communication with Cybox
 - Can now upload and download apk file from the crawlers

Pending Issues

- Kubernetes
 - Kubernetes is the optimal technology choice for the features that we need however it may not be compatible with the infrastructure provided to us and may require too much work to insert into the system.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Mitchell Kerr	Worked on downloading APK bug for APKMirror	6	43
Connor Kocolowski	Collected more metadata from play store applications. Continued researching how to download apks from google	7	59
Emmett Kozlowski	Worked on researching Kubernetes and Docker to integrate into the system	7	53
Jacob Stair	Worked on unit test standard	6	45
Matthew Lawlor	Did research on technologies to use for front end web portal.	6	40

Plans for Coming Week

- Continue working on validating kubernetes and also look into other alternatives as it may not be the best choice given our constraints.
- Start working on an initial dockerfile for our flask apps.
- Start development of front end web tool.
- Find solution for APKMirror download bug.
- Begin work on final presentation.