

## **Dell Defense**

**Meeting Date:** September 20, 2018

**Start Time:** 9 PM

**End Time:** 9:30 PM

**Attendance:** Preetham Wilfred John, Nikita Kora, Ramitha Mallidi, Aakib Iadhani, Dawood Moazzem.

### **Items Discussed**

1. Discussed on different solutions for handling security issues due to JavaScript API's.
  - Continuously monitor assets(codes).
  - Solutions suggested in research paper(providing write only access to JavaScript API's, Restricting access to JavaScript API's to access variables declared in native code).
  - Create a framework to secure the assets(codes)
2. Create a tool to detect vulnerabilities in the code and report it to developers.

### **Decisions Reached**

- Need to search for tools that can monitor the code and inform developer if there were any changes made without developer's knowledge.
  - Try to give a demo on the tool.
  - Try to create few diagrams like architecture diagrams, class diagram for the tool.
- Need to create a document on the research paper "Automated Analysis of Security-Critical JavaScript APIs"
- Create a website for testing purpose.
- Try to come up with Machine Learning techniques that can detect security frauds due to JavaScript API's

### **Items for next meeting**

- Documentation on suggested tool including diagrams mentioned above.
- Documentation on research paper "Automated Analysis of Security-Critical JavaScript APIs"
- Reviewing website for testing purpose
- Discussion on machine learning techniques for fraud detection