

## May1618: Graphalyzer

### WEEKLY REPORT #4

Date: 2/1-2/7

Group number and Name: May1618

Client/Advisor: Ross Hendrickson/Simanta Mitra

Attendees/Role:

- Andrew Bowler - Webmaster
- Al Gomez-Estrada - Communications
- Michael Sgroi - Key Concept Holder
- RJ White - Key Concept Holder
- Taylor Welter - Project Leader
- Simanta Mitra - Advisor
- Taylor Wolf - Client
- Blake Wilson - Client

### Past week accomplishments

- ❖ We acquired a list of IP ranges for the ISU campus network, and sent out a list of required server components (Git, Node, etc.) to Workiva.
- ❖ A Jest test environment was set up for the frontend.
- ❖ Python logging configuration was completed and log statements were written.
- ❖ Sprint 1 complete, Sprint 2 begins.

## Plan for coming week

- ❖ Work with Taylor Wolf on getting the server ready for the project
- ❖ Start working on StatsD for logging performance metrics
- ❖ Write log statements for the REST service
- ❖ Add a new UI feature to filter nodes based on connections
- ❖ Explore optimization techniques for data transferring:
  - ❖ Data chunking
  - ❖ Data compression/serialization

## Pending issues

- ❖ Workiva did not have the server ready this week, and the ETA for getting it is unknown. Taylor Wolf says due to numerous red tape type issues, it may take at least another week.
- ❖ We may have to work with Docker for the provided server for security reasons.

## Individual contributions

### ❖ Andrew

- ❖ Investigated using Mocha as a unit testing framework, attempted to set up an environment <**this idea has been scrapped for Jest instead**> - **6 hours**
- ❖ Troubleshooted Jest problems with AI - **1 hour**
- ❖ Team meeting on Thursday - **½ hour**
- ❖ Met with client, sprint planning with team - **½ hour**

### ❖ Michael

- ❖ Configured Python logger, added logging statements and performed general code refactoring - **5 hours**
- ❖ Team meeting on Thursday - **½ hour**

- ❖ Met with client, sprint planning with team - **½ hour**
- ❖ Al
  - ❖ Set up Jest environment for testing - **2 hours**
  - ❖ Attempted to solve error with testing environment - **1 hour**
  - ❖ Met with client, sprint planning with team - **½ hour**
- ❖ Taylor
  - ❖ Team meeting on Thursday - **½ hour**
  - ❖ Met with client, planning with team - **½ hour**
- ❖ RJ
  - ❖ Team meeting on Thursday - **½ hour**
  - ❖ Met with client, planning with team - **½ hour**
  - ❖ Benchmarked different compression - **1 hour**
  - ❖ Started work on chunking - **2 hour**
  - ❖ Added logging on Websocket server - **1 hour**

### Individual hourly contribution

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Andrew	8	18.5
Michael	8	21
Al	3.5	10
Taylor	1	6
RJ	5	15