Tuesday 8th of March 2016

Apologies: Wil Fisher

**Agenda**

1. **Last weeks minutes**

Quick review, no issues.

1. **Review work on previous week**

DL – correctly modified JSON file of Icarus topology data to be used by d3.js. Produced a visualisation using the Icarus topology data, modifying the elements of the graph based on node meta-data such as source/router/receiver.

NA, LS, WL – implemented the popularity table class to be able to collect the necessary information on content popularity. The table is being used as part of the Most Popular Caching (“MPC”) algorithm. The most basic version of this algorithm has now been completed and the results compared to the algorithms included in Icarus (which have no incorporation of content popularity). Initial results indicate that for MPC the Cache Hit Ratio greatly outperforms the more basic algorithms, as expected.

1. **Set Goals for Week (Testing phase)**

**Visualisation (DL)**

Extend the basic visualisation to incorporate the more complex topology meta data such as cache size, utilisation, and look to implementation of geographic tagging and animation of visualisation.

**Algorithms (WL, LS, NA)**

Following the meeting on Wednesday, March 2nd, with our supervisor the plan is improve the current implementation of the MPC algorithm. Specifically, we are looking at ways we can feasibly implement the following concepts: notion of time (ie popularity decay), address inefficiency of indiscriminate suggestion / acceptance policy, and mechanisms to push cache closer to requester nodes (initial thoughts are that this is not feasible).

**Report 2 (All)**

All to update the report with their relevant sections. The focus of this report is on the topics outlined in the group project website, specifically progress to date (progress made throughout sprints), challenges, and testing. Look to finalise report by Wednesday.

DL is responsible for the final submission of the report.

1. **Next Meeting with Supervisor**

We will look to schedule with KL during the week starting March 28th after our exams.

1. **AOB**

Logs – all to update with work to date.

Github – all should raise an issue on Github in relation to new tasks to be completed so we can keep a centralised log of current work, and work completed.