Bi Weekly Report 6
COMP204P - Systems Engineering
Group 31

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Nuffield Health & Microsoft Project
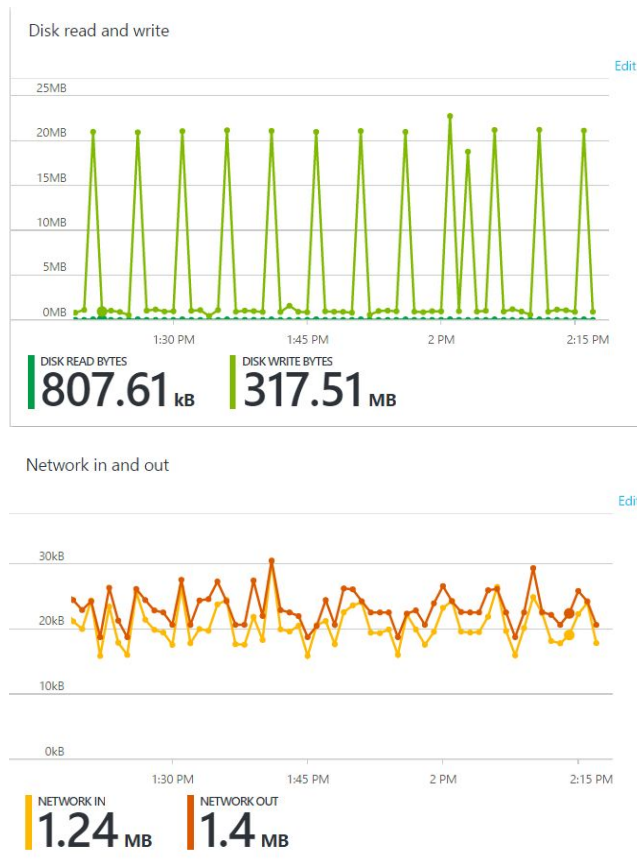
Overview of progress

18th of January 2016

Skype meeting with Paul from Microsoft and Alex from Nuffield.
Informed Paul and Alex about the elevator pitch assessment on Friday 20th. Discussed what our partners would like to see in the pitch and efficient ways of pitching the idea. We also reflected on what could be a differentiator in our pitch, notably the manner we collect data in our system. Another topic was how to integrate our system architecture on a conceptual level into the presentation and combine that with an impactful user story.
We then went on to discuss pricing of the Azure queue and Service bus services.
The further development of our product was also mentioned, along with the demos.

20th of January 2016

In this Lab session we met our TA Mirek Janatka again. This was an occasion to show him our work for our presentation. We also set goals for the next week and initiated a number of technical tasks for us to work on in the coming week. We presented our elevator pitch in the afternoon.

25th of January 2016

On this day we decided conduct experiments using Microsoft Azure Machine Learning platform. We encountered a problem where we could migrate data from our MongoDB database into AzureML. The only option we had was to create a new document using DocumentDB. We finished the transition from Mongo to Document and started importing the data to the service. More than half of the data was imported but we exceeded our credit allowance, and reached out to relevant parties to solve this problem.

Disk read and write
DISK READ BYTES **807.61** kB DISK WRITE BYTES **317.51** MB

Network in and out
NETWORK IN **1.24** MB NETWORK OUT **1.4** MB

27th of January 2016

We had arranged a skype call with Paul Thomas, Stuart McCarthy, and Alex Matei. This was targeted at the difficulties encountered in the authentication space of our application. The meeting clarified a number of topics, and enabled us to make a lot of progress. We now know that there are two different Directory services within Azure: Azure Active Directory and Azure B2C. We didn't have access to the B2C service because we haven't been attributed the required subscription. Relevant parties have been contacted to solve this problem.

Individual section

Marc de Fontenay :

Contacted Paul Thomas in order to set up Skype meeting with Stuart McCarthy for discussing technical challenges. Clarified a number of issues during Skype meeting regarding authentication and subscription issues. Set up VisualStudio on my machine and reconfigured app registrations and Facebook Developers registration to the new B2C platform we chose to use.

<u>Mo Afsharmoqaddam</u>:

Contributed to the creation of the powerpoint for the presentation assessment to our client. Met up with the team and created a documentDB database to try and test out microsoft azure machine learning with the dataset that has been available to us by Diana Darie. This is because azure machine learning did not enable us to connect MongoDB, therefore we are using a Microsoft product for better integration.

<u>Jas Semrl</u>:

Contributed to the content and the design of the elevator pitch and co-presented. Met with the teammates to discuss and create DocumentDB for ML implementation and more secure storage of data. Attempted multiple times and then successfully populated DocumentDB with sample gym swipe data provided by the client. Contributed to the attempt of first AzureML experiments, but they are still in progress.

Following week work:
- Solve credits for microsoft azure
- Create experiments for microsoft azure ML with the relevant dataset
- Keep the final report up to date
- Work on learning about the creation of dashboards with relevant technologies that has been researched
- Create secure authorization after the follow up meeting