

# Weekly Report

Samuel Hunter

Week 7, 19 April 2010

## Summary of activities since last meeting

### Activities

- Created a copy of the rutescope on my own machine so I can test queries without breaking things to much.
- I wrote some python scripts to populate the sections of the database I needed to use.
- Wrote a script to query a postgress db and output a csv file from the query.
- Wrote a php script to enterpret the resulting csv file and generate a graph from it using the phplot library

## Goals and Work targets

### Goals for this week

- get the miniDash working

### Goals Achieved

- I got a prototype OF the minidash working, so its not as much as I wanted, but it is there and its doing what its suppose to
- Its only drawing one bar graph at the moment showing a count of operating systems.

### Proposed goals for next week

- Add another graph to the miniDash (my own custom graph using gd and not a graphing library)
- Produce a small design doc outlining the data aggregation framework
- Start working on my lit review

## Rate your work performance

How did you feel you worked ?

I worked well this week, I accomplished my main goal and I put alot of effort in.

Did you achieve all your goals ? if not why not?

Yes, I would have liked to have done a bit more, but for the time I had I think I did really well.

What were the issues you had trouble with?

Towards the end of the weekend I got a bit stuck with python and the way it passes parameters,

there were some issues with weird memory addressing, earlier in the week I had trouble getting

Psycopg2 (python postgres driver) working but eventually got that sorted with a older version of python.

What assistance did you need to continue?

64bit version (the mirrors for the 64bit version was down).

How can you improve your performance?

Ignore my course work, but that wont be a good idea.

Provide a rating out of 10 in addition to the above.

9

## Tasks/Learning

Python is a really fun language, I become more familiar with python, Psycopg2 and phplot.

## Research

I read a paper on some of the caida research that was very interesting, it was concerning how they are currently researching internet mapping and what they've found. A good paper and I'll definitely use some of it.

Internet Mapping: from Art to Science. Kimberly Claffy, Young Hyun, Ken Keys, Marina Fomenkov and Dmitri Krioukov.

[http://www.caida.org/publications/papers/2009/internet\\_mapping/internet\\_mapping.pdf](http://www.caida.org/publications/papers/2009/internet_mapping/internet_mapping.pdf)