OWG Summary 2012-09-18

Present: Matt Amos, Andy Allan, Tom Hughes, Jon Burgess, Grant Slater
Apologies: Emilie Laffray
Absent:

From previous meeting:

- Grant to put up hardware requirements & software setup for the tile proxy servers on the wiki [pending].
- Some hardware (no longer at UCL) needs returning to Nick Hill. Grant/Andy to make a delivery to Nick's house w/ StreetCar. [still no response from Nick Hill]
- GPX dumper. [Lars Francke / Ian Dees wrote the code, need to normalise the "GPX files" to remove the various tar.gz, zip, etc... encodings.]
- OWL - OWL DB up on zark & Ian Dees has started on getting the front-end work done.
- jXAPI: New hardware in place, Ian Dees setting it up?
- Still need RA/VPN access to IC. Grant has sent emails, needs to follow up. Andy will help out. [still pending, low priority]
- What happens to smaug?
    - Re-installed with 12.04 LTS release. Needs some disk array config.
    - Needs setting up as a Postgres 9.1 replicated mirror [Action: TomH]
    - CGImap needs to support the readonly backend [Action: Matt]
- Ramoth:
    - Ramoth disk utilisation is close to 100% (almost all reads), but there is still capacity left (just with more than one writer). May need to consider expansion plans in the next 6mo.
    - Need to upgrade firmware for RAID controller & motherboard. Need schedule some downtime for this. [Action: Grant]
    - Could RAM upgrade, double to 256GB for approx £600. [We will do this when the firmware is updated.]
- Another ramoth?
    - Revisit this when we have a better idea of what the effect of moving read queries off Ramoth is.
    - Float idea of 10-20k purchase in around 6mo time.
- Front & Middle
    - Bought 6 second-hand DL360 G5 machines (3 front & 3 back), which have noticeably reduced the time to push a map update.
    - Have pingdom for monitoring: http://stats.pingdom.com/p310g2klasry. (will be $40/mo when the free trial runs out.)
- Yevaud

- Running OK, but caches are becoming overloaded. We have a server coming online from YANDEX soon (awaiting press release). Some concerns about security.
- We could do with finding a proxy server nearer Germany (possibly france?), and something in North America.
- Need to do a OS upgrade & re-load database. Expected it'll take about a week (upper bound).

New Stuff

- Need more disk for horntail. [ACTION: Grant to find out price]
- Performance of Yevaud would be improved with an extra/new(?) SSD [ACTION: Grant to find out price]
- [ACTION: All - think about what else might we be doing in the coming year?]

Priority-Immediacy matrix

	High priority	Medium priority	Low priority
Urgent (now)	* Extra fast storage for jxapi, routing (yournavigation) & experimental imagery server (10x £210)	* Ramoth RAM (£600)	
Planned (<6mo)	* Pingdom ($480/yr)	* GigE switch (£850) * Storage for OS/ OOC/Aerial (£1200)	* Ramoth disk expansion (£TBC)
Future (6-18mo)		* DB replica (£10-20k)	