

OWG Summary 2014-09-29

Present: Matt, Emilie, Andy, Grant, Tom, Jon

Apologies: Sarah

Absent:

Actions since last meeting:

- Andy: Follow up with Kai re: participating in OWG. [pending]
- Grant, Ian: re-check with OSUOSL that bandwidth levels are OK & check ping rates [DONE]
- Ian: check if anyone is willing to donate east coast US [pending]
- Tom: test SSL edge cache for some %age of users (note: we think this is actually about enabling HTTPS-always for some %age of users) [pending]
- Grant: buy X5660s for yevaud [DONE]
- Grant: buy new disks & ship g5 to Sheffield for forum server [Sheffield radio silence]
- Grant: price up extra disk enclosure + hot spares for backup server move to Sheffield [Sheffield radio silence]

Provisioning update:

- Web stats server (eustace): / full [replacing with G5, Grant: buy extra disks]
- Services/planet server (ironbelly): /store full in ~3 months, but half of it is old planets - could delete these? [post to dev asking about whether people use older planet files, buy 1-2 new disks, thin out older planet files, UNDECIDED]
- Tile rendering server (orm): /database full now. No chassis slots free? Need new machine or external array? [can potentially resize SSDs to make use of reserved capacity, tile expiry needs tweaking]
- Nominatim server (poldi): /ssd full now, /data full in ~3 months. Options:
 - Replace old 256GB Crucial SSDs with 512 GB Samsung 840 Pros? [low priority]
 - Replace 300GB raptors with 600GB ones? [not necessary]
- Main DB server (ramoth): /store/postgresql/openstreetmap full now. Chassis also full? Disks are already largest-available in that form factor. Options:
 - Install 1TB velociraptors (10k SATA, not 15k SAS)?
 - Install 1TB Samsung 850 Pro SSDs (£500 each...)?
 - External array?
 - Switch to katla & buy replacement as slave DB?
 - [switch to katla, rebuild ramoth as RAID6 or something, see how the performance is].
- Secondary tile rendering server (yevaud): /store/database full in ~18 months. [MOAR RAM - expensive because we have to upgrade all old 4G DIMMs ~1000gbp to upgrade? (mirror DB SSD, LSI controller on nice-to-have list)]

Main agenda:

UCL “decant” move

DONE! yay.

Still problems: lack of power [Matt: chase this up], lack of access for Grant [Grant: continue with process].

Wiki migration

done [Grant: upgrade from legacy stable to more recent version]

Katla

katla working well, will make it master. Grant is hesitant, but let's continue and hold ramoth for a (short) while as a backup in case performance is bad. [Tom: switch to katla as master].

Funding drive

Suggest we have material ready to launch a funding drive at SOTM - nice pretty page describing what we need & why. Should coordinate with SOTMWG to see if we can get an announcement of some kind.

Get a plan together [Matt: draft this], then go to MT/board and ask if the money is already available.

G6s / routing

(Aside: can go up to 192GB in G6s, so could use them for routing?)

Priority-Immediacy matrix

	High priority	Medium priority	Low priority
Urgent (now)	* Nominatim 2nd machine (9.3k)		
Planned (<6mo)	* DB slave / replica (£11.9k)	* Off-site backup (£5.3k) * Ironbelly replica (£8.6k)	
Future (6-18mo)		* Tile cache (£3k) x2 (north america, south east asia)	* Routing machines (2x £7.5k)

