

CERN - Oath

Agenda

Topics to discuss (IT/CM):

- Nova-network -> Neutron migration
- Operating a large Cloud
- Ironi
 - Scaling (we have an Ironi cell w/ 1 controller, 1 compute node, and ~1300 nodes, what scaling issues will we hit when we enroll the remaining 10k nodes?)
 - Deploy-time Software RAID on Ironi
 - Console access (shellinabox, VNC consoles)
 - Keeping track of deliveries ... suggestions?
 - Power state synchronization (nova vs. Ironi) & Maintenance mode
 - Burn in process
 - Enrollment of servers with instances ([adoption](#) ... I think we don't want to do adoption, but rather create with a fake driver)
- Resource tracking
 - Capacity planning
 - Showback / Accounting
- Future architectures
 - ARM?
 - GPUs?
 - FPGAs?

Topics to discuss (Other groups for the Ask-Me-Anything) - 14h30 in 513-R-068

- IT/CF
 - Server environment limits (following a particular AHRAE level?)
 - Infrastructure operation approach
 - Monitoring and automated actions (power, load, temperature)
 - Approach to the repair of HW
 - Inventory / Asset tracking
- IT/CS
 - Can you give a brief overview of your Datacenter Network design? (type of devices, protocols used, etc...)
 - How do you automate network configuration (on the hardware network devices)?
 - How do you integrate the physical network with the virtual servers?
- IT/DB
 - We understand that Yahoo is/has been a large user of NetApp filers, what is the status today and what are your developments on storage for critical / low-latency requirements services?

- What kind of database setup do you use as backend for your OpenStack deployment?
- IT/ST
- IT/DI

Tuesday (03/07/2018)

Wednesday (04/07/2018)

- Slot at 11am for an CERN Computing Symposium in the IT auditorium
 - <https://indico.cern.ch/event/739440/> awaiting title and abstract from James
 - Webcast and recording are available if desired
- Ask me anything style session for other groups in the afternoon?
 - Questions being collected above in the AMA section

Thursday (05/07/2018)

- AD visit