

AI testing

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IT-SDC-OL

- Hammer Cloud tests for CMS
- Cloud init
- Δ -cloud

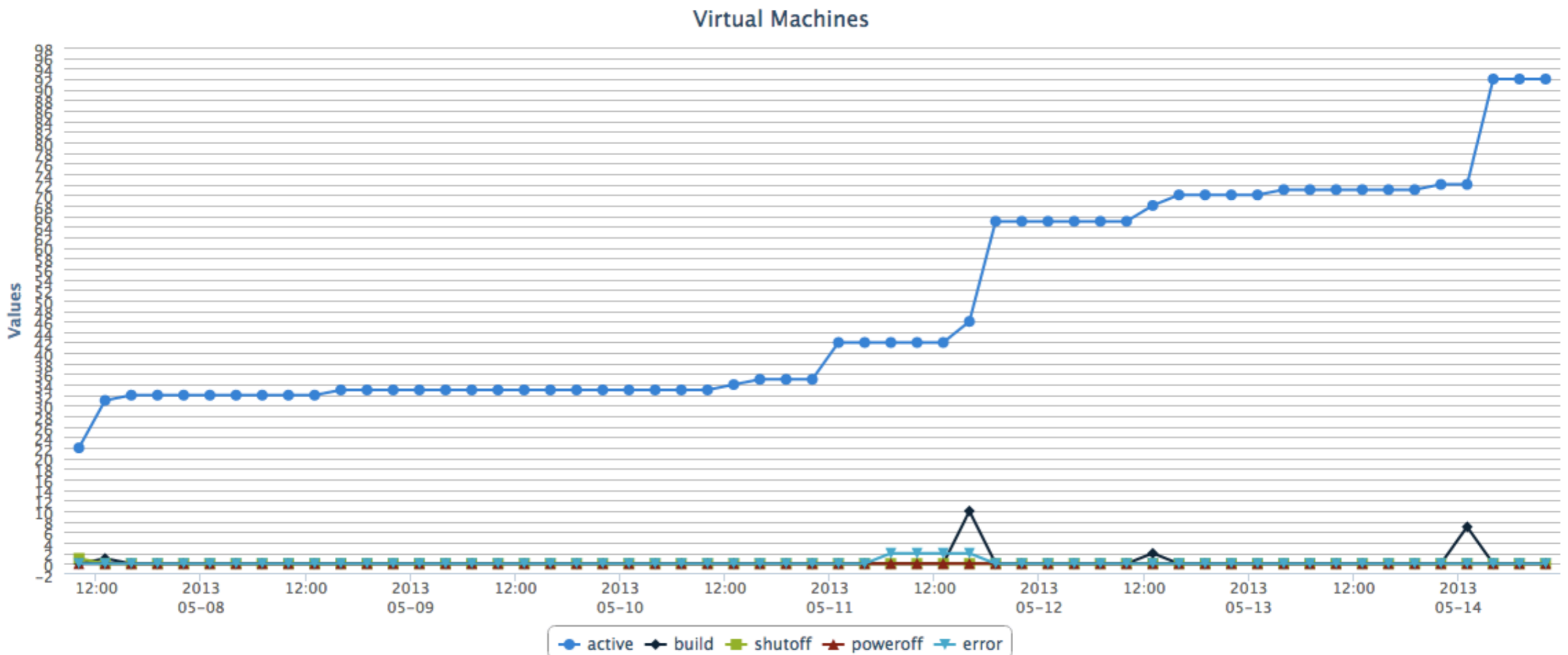
HammerCloud

- Testing with standard HC CMS analysis jobs
 - Input data is streamed over network (EOS)
 - Pros:
 - possible to compare to other sites
 - executable fully proved
 - Cons:
 - jobs are very short and it's hard to scale up
- First results have been collected

Ibex Issues

- Very few, improved a lot since Hamster
- We had twice the situation where we could not boot VMs
 - good support and prompt resolution
- Minor issues (deleting, listing) are very rare
- I/O issues for CMS jobs not seen

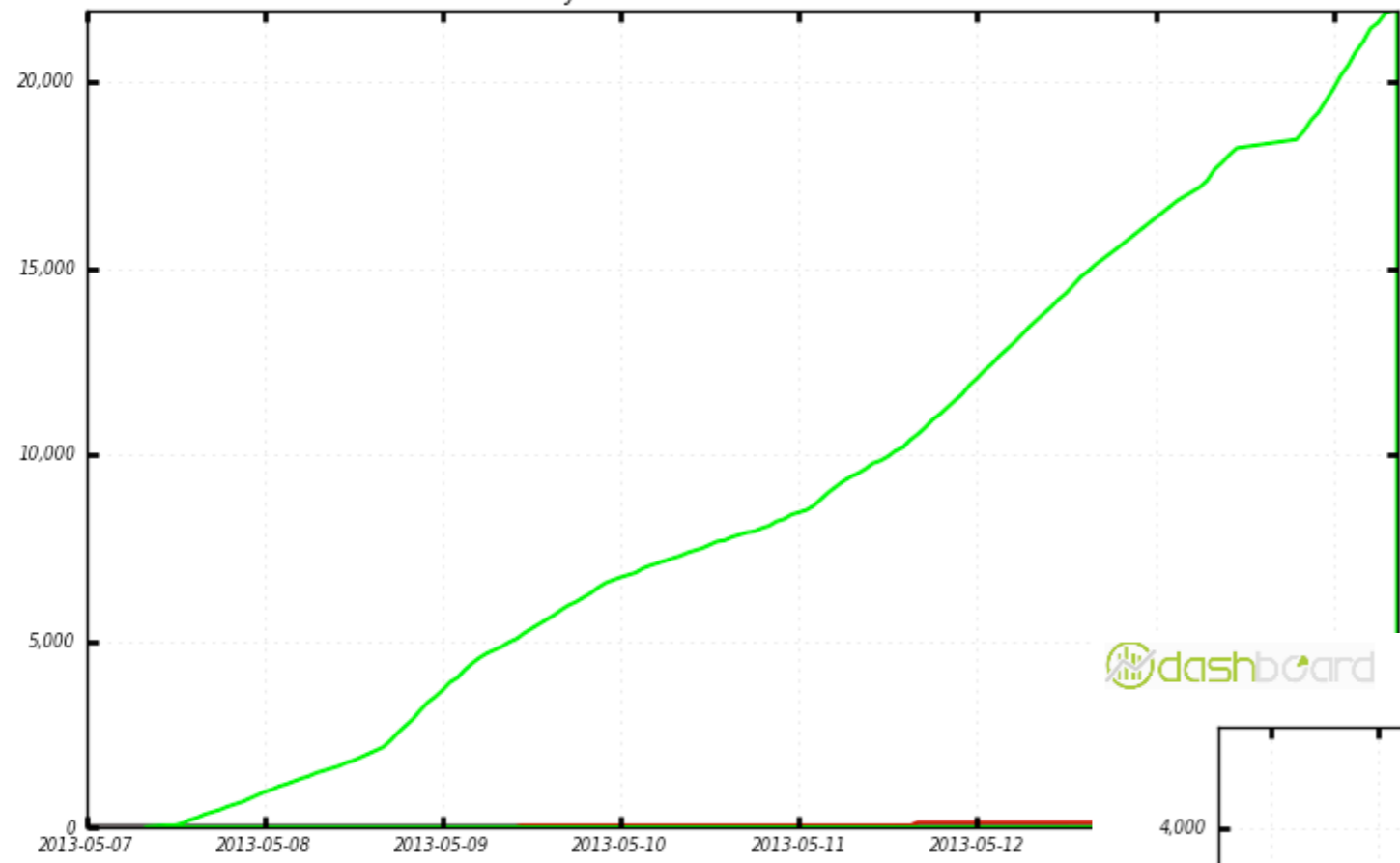
- Waiting for ceilometer...
- No provisioning error during last week with Glidein as orchestrator
- No scale issues
- Issues on cleaning: now by hand, need to update our image



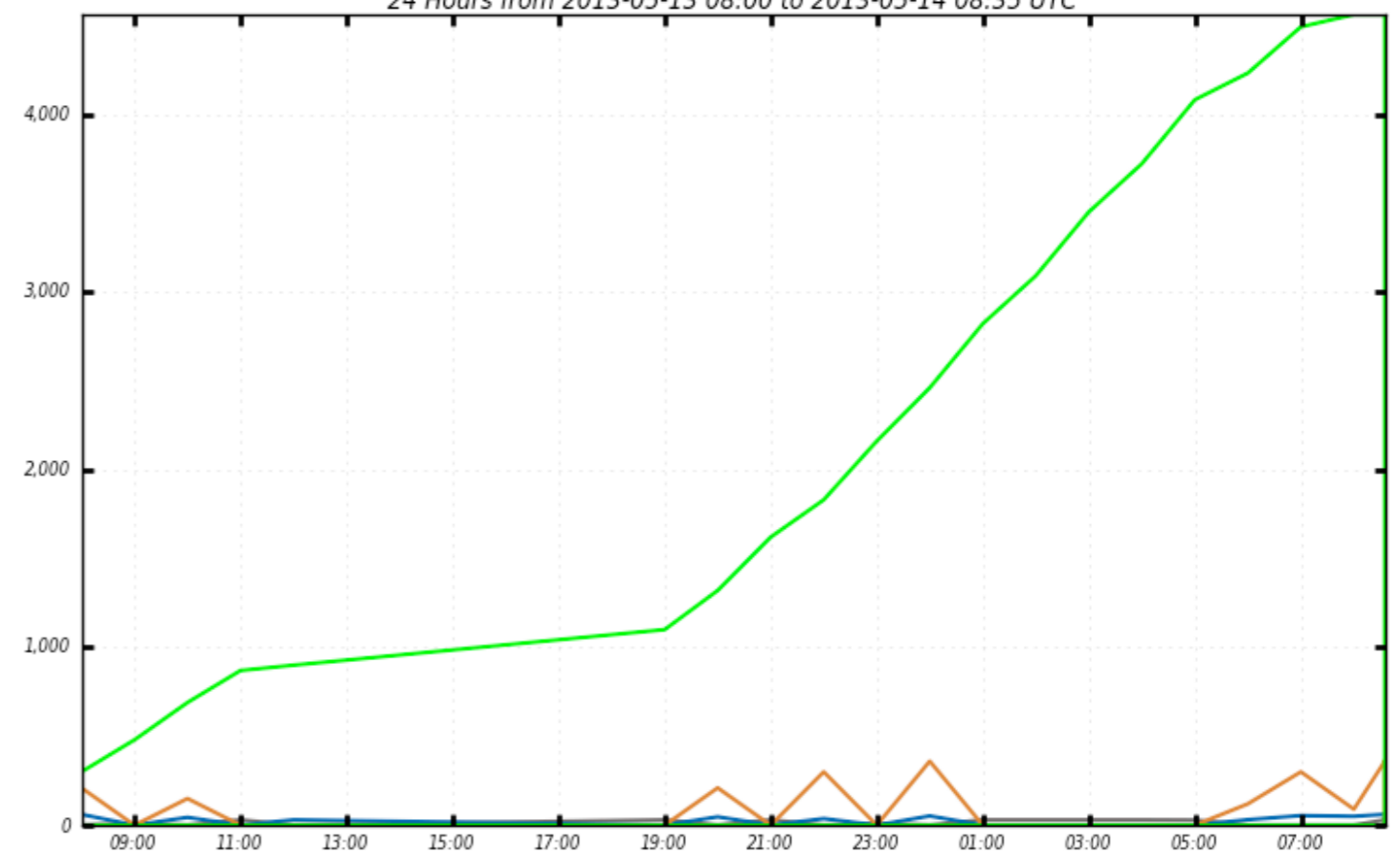
Experiment related issues

- Glidein is more stable but still few things to improve
 - test version, not yet in production
 - policy on booting VMs and pilot management to be improved
- Getting ready to deliver the integrated infrastructure to CMS
 - T2_CH_CERN_AI added in the CMS topology
 - Going to add this in the Dashboard too
 - CMS Operation team is preparing a prod setup of tools for Cloud interactions (AI and HLT)
- Q: will the AI cloud resources increase?

CERN OpenStack CMS testing
7 Days from 2013-05-07 to 2013-05-14



CERN OpenStack CMS testing
24 Hours from 2013-05-13 08:00 to 2013-05-14 08:35 UTC



CloudInit

- First version with ganglia/condor/cvmfs modules ready
- First testing worked well
 - possible to fully configure WN with SLC5/6
 - need to extend the testing and integrate in the current activities
 - disseminate the work (CernVM/CVMFS team, experiment contacts for Cloud, ...)
- <https://twiki.cern.ch/twiki/bin/view/LCG/CloudInit>

DeltaCloud

- Unique interface to interact with a wide range of cloud interfaces (Eucalyptus, OpenStack RackSpace, ...)
- Exposes 3 different set of APIs:
 - DeltaCloud, EC2, DMTF CIMI
- Status:
 - first version installed
 - able to interact with *AI nova API*
 - some issues interacting with *AI EC2*