

Site report UGent

Stijn De Weirdt (UGent)

Quattor workshop 30/09-02/10/2014

Done since previous workshop 03/2014

- ▶ No more EL5 ! (but now EL7 as 2nd OS to support)
- ▶ Main repo in (private ugent) github
 - ▶ finally review all quattor changes that go into master
 - ▶ still not shareable with outside
- ▶ All remote logger
 - ▶ send stdout/stderr via nc or /dev/tcp to rsyslog
 - ▶ for %pre, %post and post-reboot
 - ▶ aside from enabling syslog in anaconda
 - ▶ essential for getting All working on EL7

Done (cont.)

- ▶ Trigger spma on quattor buildid
 - ▶ every compile and notification triggers spma run
 - ▶ Mainly to deploy security patches / keep machines up to date
 - ▶ no service restart, rebooting,... (any ideas?)
- ▶ Initial EL7 support
- ▶ Ceph evaluation continued
- ▶ Started cloud (with OpenNebula)
 - ▶ incl All integration
- ▶ Migrate hybrid quattor/vendor tool to quattor only
 - ▶ currently ongoing for compute nodes

No progress since

- ▶ no IPA yet
 - ▶ realm, DNS and AD issue
 - ▶ aii-freeipa fixed and tested during Q4B at RAL
- ▶ no Aquilon yet
 - ▶ (any ideas/hooks for github workflow coupling?)

Future

- ▶ EL7 compute cluster
 - ▶ Jan 2015 target
 - ▶ Will require more/completed EL7 support in quattor
- ▶ Improved monitoring of quattor state/progress

Open issues

- ▶ Common namespace / schema for VMs?
 - ▶ store hypervisor details relevant for the VM
 - ▶ e.g. in ONE, map disk to datastore
 - ▶ indicate a node is a VM
 - ▶ explicit `/vm = true`
 - ▶ implicit `hardware/location = cloud(y)?`
- ▶ Generalised VM/cloud hook for All?
- ▶ Scaling issues esp. for monitoring
 - ▶ how do you keep track of 500 nodes installing/updating/...
 - ▶ verify they are all in proper state