HammerCloud Status

- WLCG Operations Meeting
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Current Production

- CC7, Python2 based
- (Re)-Deployment of service impossible
    - Mixture of puppet and hand configured
    - `configure && make && make install` in use.
    - `pip`, `rpm` and `cp /cvmfs/... ...` pkg managers
    - HC builds depend on long since deprecated tooling
- Grow forever (14 years) database now pruned for atlas.
    - Droped 10 years of detailed test results.

Current Production(2)

- **Production service at higher risk of total failure than is acceptable:**
    - OLD SSO based
    - No failover
    - No pre-production environment
- And at the same time, service is still being maintained:
    - e.g new certificates, panda client upgrade have happened recently.

Py3 Based Service Web

- https://hammercloud3.cern.ch supports ATLAS and CMS.
  - Under test by ATLAS and CMS operations.
  - A timeout issue - resolved recently.
  - One page has an application crash - under investigation.
- HC web now supplied as Debian 11 containers by Atlas HC team.
  - OIDC SSO integration is now complete

Py3 Job Submission Nodes

- ATLAS - under active development as a container:
  - Today exists only as developer testing.
- CMS - not really contemplated.
  - Previously assumed ATLAS first.
  - Change that strategy now.

Re-deployment Status

- Rootless Podman Containers are running now - puppet deployed
- **hammercloud3** comprises of two haproxy frontends + two backend applications
    - Any node can be reinstalled without intervention downtime.
- Deploying extra instances now easy and being done.

Other Items

- Access logs for hammercloud3 are now indexed in opensearch
    - Service monitoring can be based from this now.
- Today a new graduate started in IT
    - Will focus on Hammercloud and ETF services.
    - Hammercloud - Migrate Debian contaners to EL.
    - Hammercloud - Complete OpenSearch/Fluent-bit ingestion of application logs.

Towards a CC7 free world

- Still hoping main alias `hammercloud.cern.ch` can be moved onto `hammercloud3` before end of June.
- First of 6 CC7 Redis moved to EL9 two weeks ago.
  - Rest can now follow - independent of other changes
- Submission nodes on CC7 will remain for longer.
  - Commence CMS submission migration now.