GDB summary

14th September 2016

Workshop

- 2-days in conjunction with CHEP
- Data management – protocols and storage consolidation
- Security – trust frameworks, traceability & isolation
- Network – IPv6, LHCOPN/ONE, network evolution
- HSF – performance and efficiency
  - Performance .. Efficiencies of the experiment workflows and T0
  - Software efficiency. Commonalities.
- Cloud session – experience then discussion

WLCG and support for IPv6 only CPU

- ATLAS Canada – pure IPv6 request
- Opportunistic IPv6 only
- Document: Aims to provide a viable migration path.
- ATLAS, CMS & LHCb – critical services by 1st April 2017.
- ALICE – on IPv6 and fully federated now but will not be able to support IPv6 only CPU by April 2017.
- 1st April 2017: Can provide IPv6-only CPUS.
- Some MB push back. "Reasonable fraction on IPv6 by end LS2"

NDGF

- Review – Pepe. Document write-up.

MISP

- "Threat intelligence"
- Malware Information Sharing Platform (MISP)
- CERN MISP (eduGain or eGroups)
- Quick Demo.
- Campus security and Grid security must work together.

Data pre-GDB

- Reporting: WLCG accounting TF. Trigger storage accounting. Used/free space (w/o SRM0 for space quota. No universally agreed conclusion. Storage dumps would have to be in systems.
- The interaction of options (Brian/Sam slide)
- S3 with CEPH (Alastair). Dynafed.
- CMS – data on files
- Protocol zoo
- Experiment status & plans for gridFTP (no SRM)…. ATLAS testing. CMS proofs-of-concept.
- Data Coordination: Bring together areas supported by July MB. Proposed Mandate
  - Data steering group is created; team tracks … ensures progress made.

Fast benchmarking

- LHCb: DIRAC power vs Job Power (scaled job events per second) vs HS06

- HS06 vs job shows a tail and structure – due to chip architectures.

- DIRAC vs Job much better peak at 1

- MJF give worst case site is promising to supply

- Would like DIRAC benchmark included in any WLCG fast benchmarking.

ATLAS status

- Will use CERN benchmark suite (fstBmk & whetston) – good correlation wit h ATLAS KV benchmarks
- Cloud – in test. Benchmark runs when VM boots. Results stored in ElasticSearch.

ALICE

- LHCbMark vs event rate – looks good.
- Sharing values between Vos (common location)