

2020-05-28 Thu Parallel VI - OSG-LHC minutes

Goals of this session

- We have to contribute to a new Project Execution Plan (PEP); focusing on milestones and deliverables for now.
- Are going to write fewer, higher level ones this time — 6 for the next 3 years
 - Ok if we miss a few, 20% in the whole project, so we reach out a little more

Activities that continue on

- Maintain software stack, Security, Accounting, CVMFS, network perf. Monitoring
- Networking idea: Have at least one site from US ATLAS & CMS each in a 100 Gbps mesh for perfSONAR — already underway. Aiming for December, early enough to look good, etc.
- Coordination of XCache R&D for ATLAS, CMS, and OSG — have at least 5 instances of refactored XRootD monitoring in production use. One instance each, at least, of Origin and Cache. DW: Seems reasonable.
 - Question about whether Dec 2021 is too far out: FKW suggests that there are enough risks that it is good to put the date out there.
 - How does this align with Ilija? FKW thinks that if we can provide something good, reliable, etc., that he would switch to it; the benefit to him is that he would not have to maintain it long-term. EF: Note that current XRootD monitoring is for the cache only; this goal is about all XRootD. Discussion about how this fits into U.S. ATLAS, etc. — moving discussion offline.
 - Should the goal explicitly mention adoption by U.S. ATLAS and CMS? Varying opinions, will figure out later.

Complete what we started

- Globus retirement
 - Public milestones: March 2021 and June 2022 — we could adopt these, but should probably push the deadlines out a bit. But FKW would prefer to replace one with capability authorization stuff. Talked about deliverables and milestones. So, aim to reword the second one to mention capability auth., and keep the March 2021 one as a milestone, just so that we have something to hit.
 - RWG: Are there concerns about coordinating with other communities? FKW: Absolutely yes, e.g., U.S. sites may have to keep GridFTP until the rest of the world migrates away.
- Transition from personal credentials to capability credentials
- Containerized services
 - Have one service in either ATLAS or CMS that uses the new deployment paradigm in production, etc. (February 2023). This one has the most dependencies on other groups, including outside of IRIS-HEP.
 - RWG would hope that this is done much earlier than 2023; no technical obstacles remain. FKW: Scope includes scanning, etc., and that makes it more ambitious. Extends security and operational concerns.
 - By adding the restriction of a U.S.-only service, then it should be doable.
 - Carlos M.: Cultural issues — what are ways that this can be done that is at least somewhat independent of adoption? FKW: But this one is really about adoption! In other words, part of this effort is *about* changing the culture, at least in some ways.

Options for new things

- Add Data Access monitoring — dealt with
- Allow U.S. LHC Operations program to report use of non-traditional resources *as part of their pledge?*
 - RWG: Is there something that we could do for the Tier-3s?
 - FKW: Could we account for activity on Tier-3s or other smaller resources that could be reported to APEL? But if no one is asking for it...
- Expand networking activities in the context of the IRIS-HEP challenges
 - FKW: Not sure what we would write here. Shawn: There will be OSG-LHC things here, but not ready yet.
- Expand or change role of operational security in light of change in operations model
- Coordination role for the IRIS-HEP (Grand) Challenges
 - FKW: OSG has no role in coordinating anything in the analysis challenge
 - Production challenge — see DOMA taking the lead
- Making Skyhook deployable (easily) by Tier-2 admins might be in scope for OSG-LHC
 - Does it make sense to have an internal Year 3 goal of having OSG Software & Release talk with Carlos's group about software deployment (containerization, etc.)
 - Action item (FKW, TAC, Brian B., Rob) — discuss this space
 - Carlos: Monitoring of performance information, too