



ALICE SAM tests evolution

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Current situation (1/3)



- SAM tests only for CREAM CE
 - Direct submission
 - Submission via WMS → trivial WN test included
- Most ALICE sites have a CREAM CE
- Pure AliEn and ARC sites do not → VOBOX submits to the batch system or ARC CE
 - NorduGrid, OSG, others
 - Including NDGF-T1 (+ RAL), some T2, T3

Current situation (2/3)



- CREAM tests are submitted without a role
 - Historical reasons: all normal jobs have `/alice/Role=lcgadmin`
 - Not trivial to change (but not impossible either)
- Sites should give high priority to `/alice/Role=NULL` !
 - Many sites do not do that (yet)
 - Mitigation: very long timeouts (~23h) → not good
 - Important when Ops tests are no longer used !

Current situation (3/3)



- What about SE tests?
 - XRootD \neq SRM
 - Type supported in the GOCDB since Jan
 - But not yet in the A/R formulas
- VOBOX tests?
 - Past tests removed because of various issues
 - Not all VOBOXes are visible externally

MonALISA



- ALICE already have MonALISA doing very extensive monitoring of all site services!
 - SE
 - VOBOX services → CE status can be inferred
 - No need for sending external probes
 - Direct snapshots from real job submission attempts
- Forward selected results in the right format at the right frequency to SAM
 - Common A/R engine

Plans



- Publish metric results directly from MonALISA into the message bus
 - New metrics to be defined in POEM
 - Prototype this autumn
- Keep Nagios box CREAM tests for now
- Enhance critical profile when feasible
 - Get NDGF-T1 to appear as a T1 at last !



Items to be understood

- Publication frequency
 - MonALISA resolution 2 min \leftrightarrow SAM/SUM/...
limited to a few iterations per hour
- Test results expiration period
 - Detailed evidence desirable for a few days
- Level of detail in the test results
 - Important for failure diagnoses by admins
- A/R algorithm for NDGF-T1
 - 5 distinct sites