ATLAS Plans
for medium term
(~6 months)

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WLCG Operations planning 2013.03.21.

General Plans

Baseline is the same as shown at the last planning meeting

- (2012.11.29. "ATLAS plans in operations during LS1")

Some of the points with more details / news in the following slides

Others may be omitted

- does not mean they are dropped from ATLAS plans

ATLAS Activities

- Processing / Reprocessing
  - ‣ 2011 pp 2.76 TeV data
  - ‣ 2012 pp "delayed stream" data (taken during 2012 but was not processed)
  - ‣ part of 2012 pp in planning
  - ‣ reprocessing of 2010/2011 pp data to be planned

- MC production

- Analysis

Targets

- Spring conferences

- Summer conferences

- and later conferences...

WLCG Tools for Monitoring and Operations

Monitoring is a 'key' to operations, as well as **resource reviews**

- the improvements and the new features made in `dashb-atlas-*` and other monitoring up to now are highly appreciated not only by the ATLAS operations, but also by the ATLAS management and the site managements

- more feature requests are in TODO
  - ‣ expecting to be done as was the case for the past requests

- adaptation to the new ATLAS systems in development will be essential

- restructuring the existing various *many* monitoring tools into a coherent and well-integrated view is essential for easier operations

- ATLAS auto-exclusion systems rely on HammerCloud and SAM

- What discussed in the OPS TEG need to be pursued during the LS1
  - ‣ any news since the last planning (2012.11.29.)?

FTS3

- has been used in ATLAS functional test transfers for UK sites

- has been used for commissioning the RU-T1 prototype (RRC-KI-T1) in ATLAS systems

- further steps to be considered after seeing load-testing results and agreeing on the support level of FTS3 instances

SL6 WN

- almost ready

- a link to additional requirements to run ATLAS jobs on SL6 has been added to the VO card

  ‣ installation and environments to be validated at each site

- production jobs should work

- final validation of group jobs on-going

- analysis jobs (needing compilation on WN) can run with patched ATLAS sw releases

- some changes needed in ATLAS systems to properly tag sites with all the releases for production jobs and only patched releases for analysis ones

Towards New ATLAS Systems

Distributed Data Management : Rucio

- Testing instances for some functions ~ May - June

- Some Rucio features have been introduced to the current DQ2

  ‣ SURL being changed to Rucio convention

    - hoping a large part by summer

  ‣ DQ2 clients need to be the latest everywhere as soon as possible

    - users/admins of old versions will be contacted by ATLAS

Production System : DEfT + JEDI + PanDA

- DEfT + JEDI to replace the current production task/job definition system

  ‣ prototype July-August, testing July - September

- "JEDI will be core component of PanDA"

  ‣ PanDA as the job brokerage/management system stays

  ‣ JEDI will also be the engine for user analysis tasks

WAN access to SEs (FAX)

- under commissioning...

Deployment of systems at the sites

cvmfs

- deadline: April 30 2013
  - ‣ no cvmfs == no new sw releases == no job

File Access Protocols -- WebDAV and xrootd

- timeline: to be widely deployed towards summer
  - ‣ WebDAV: hoping many sites by Jun-2013 all sites by Sep
- WebDAV: being used for changing SURL to Rucio convention
- to be used for LAN 'read' access whenever proved to be more performing than the other available protocols
- to be tested for LAN and WAN 'read+write' transfers
  - ‣ uploading files from WN to SE (if accounting etc. work without SRM), FTS, dq2-get, storage management (replacing some SRM functionalities)

FAX

- is not just about xrootd access
  - ‣ deployment of additional stuff needed
- no clear time scale for requirements
  - ‣ FAX is under commissioning - sites are joining on voluntary basis