

WLCG Collaboration Workshop Victoria, Canada

Site Readiness Panel Discussion
Saturday 1 September 2007
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- Some general remarks on site readiness
- Some remarks on the CMS view of their sites readiness (from various CMS presentations).
- Some remarks on the situation in Germany

General Remarks

- Storage systems in principle fine and checked through SC's
- SRM 2.2 is coming in pre production
- Most of the Tier 1`s are expected to run SRM 2.2 end of october
- Accounting tools are insufficient
- Availability/Reliability checked with exp. tasks?
Is SAM good enough?
- Tier 1/2 readiness strongly depends on the quality of the middleware SW
- What are the kSpecInt2k numbers worth in real life today?

General Remarks

- Scale up of HW is still critical -> right balance of components
- Contact persons at Tier 1's (Tier 2's seems to be easier) with HEP skills
- Help desk systems @ Tier 1/2's needed
- Documentation
- Integration into experiments user support systems
- 24/7 still open in some cases
- We have to help Tier 3's



Conclusions



- Higher involvement of Tiers in Operations wrt 2006
 - ❑ Tiers are shaken out, but stability concerns still
 - ❑ now focus on achieving *stable* improvements
- Help sites help themselves
 - ❑ Keep up JobRobot, SAM and LoadTest work (and extend)
- Computing operations scaling
 - ❑ Still lot of work
- Storage systems management is a CMS-wide critical issue
 - ❑ Still waiting for full SRM interoperability
 - ❑ Storage systems at many T1's still relatively immature
- Need a mature model to support operations at CMS Facilities
 - ❑ Tiers to be trained on how to report problems to experts
 - ❑ Experts need to design and enforce an effective response model
 - ❑ We expect proposed solutions to bring some order
 - ❖ educational/training efforts, improved synergy among Computing L2 coordination bodies, clearer responsibility sharing, advanced problem-tracking for Operations, ...

Status Tier 1/2 in Germany

Full Tier 2 for **Atlas**, **CMS**,
LHCb @ DESY Hamburg &
Zeuthen in production,

National Analysis Facility in
setup phase

0.5 Tier 2 **CMS** Centre
@ RWTH Aachen in
production

Tier 2 **Alice**
Centre @ GSI
partially ready

Full federated **Atlas** Tier 2
Centre @ Uni-Wuppertal &
Uni-Freiburg partially ready

Federated Tier 2 **Atlas**
Centre Max-Planck & LM-
Uni-Munich in setup phase

Tier 1 @ GridKa for **Alice**,
Atlas, **CMS**, **LHCb** + non LHC in
production

From CMS-talks:

- CSA06 - Goal to test services at 25% of 2008 complexity. Some services tested well beyond 25%

Fall 2007: Computing facilities must be able to handle challenge activities, MC production and processing, physics analysis, commissioning and calibration activities in preparation for physics.

Spring 2008: MC production and processing at 100M evts/month; Cosmic Run with magnetic field, Challenge 08?

MC production continues throughout the year.

Computing and Offline Milestones:

- Beg July: preCSA07 Computing Software Analysis Challenge
- Beg Sept: CSA07 Computing Software Analysis Challenge begins
- End Oct: Offline & Computing ready for Cosmics Run
- End Feb'08: Production of startup MC samples (100M evts/month)