The CREAM CE:

Update on status

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WLCG Grid Deployment Board,
CERN 13 May 2009

CE transition criteria

■ **Table showing current status of Transition Criteria:**
https://twiki.cern.ch/twiki/bin/view/LCG/LCGCEtoCREAMCETransition

■ **Summary**

  ■ <u>CondorG submission (criterion B)</u>: Results reported by US-CMS show job failure rate of ~25%. Main source of errors is around proxy renewal/delegation.
  Under investigation by US-CMS and developers

  ■ <u>WMS-ICE submission (criterion C)</u>: Still weeks (months?) away

  ■ <u>SAM tests (criterion F)</u>: Many tests ready. Several already running against production CREAM CEs. All running against PPS CREAM CEs

  ■ EGEE SA3 has started testing to determine the performance criteria (graceful failure, 5k concurrent jobs, etc.)
    ■ Thanks to Gianni Pucciani

Pilot Service: Testing by CMS

- **CMS just started testing job submission CRAB ➔ ICE-WMS (patched) ➔ CREAM CEs in production**

- **Need more CREAM CEs in production**
  - Particularly ones supporting CMS !!
  - Current list for CMS:
    - ce201.cern.ch
    - ce202.cern.ch
    - cream-1-fzk.gridka.de
    - cream-2-fzk.gridka.de
    - cream-ce01.marie.hellasgrid.gr
    - t2-ce-02.to.infn.it

MB milestones for CREAM CE

- **June 1st:**
  - All European T1 + TRIUMF and CERN; at least 1 CREAM CE each.
  - 5 T2s supporting ALICE with 1 CREAM CE each

- **August 1st:**
  - At least 2 T2s for <u>each</u> experiment providing 1 CREAM CE each

- **October 1st:**
  - 50 sites providing CREAM CEs <u>in addition to the ones above</u>

MB milestones for CREAM CE

■ **How are we doing?**

■ Full list of CREAM CEs in production today:
- alice02.spbu.ru
- ce0004.m45.ihep.su
- ce01.sdfarm.kr
- **ce201.cern.ch**
- **ce202.cern.ch**
- cream1.farm.particle.cz
- **cream-1-fzk.gridka.de**
- **cream-2-fzk.gridka.de**
- cream-ce01.marie.hellasgrid.gr
- cream-ce.pdc.kth.se
- grid29.gsi.de
- gridce02.tier2-kol.res.in
- **nanlcg04.in2p3.fr**
- **t2-ce-02.to.infn.it**

CREAM CE in production

■ **More information:**

  ■ Latest version 3.1.13-0, released 2 days ago (11.05.2009)
    http://glite.web.cern.ch/glite/packages/R3.1/deployment/glite-CREAM/glite-CREAM.asp

  ■ Known Issues:
    http://glite.web.cern.ch/glite/packages/R3.1/deployment/glite-CREAM/glite-CREAM-known-issues.asp
    and
    http://grid.pd.infn.it/cream/field.php?n=Main.KnownIssues