

# CASTOR-SRM Status

## GridPP NeSC SRM workshop

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(presented by J Jensen)

STFC RAL



# Overview

- Site Status
  - CERN
  - RAL
  - CNAF
  - ASGC
- SRM Status
  - Problems
  - Successes
  - Notes



# CERN

- 3 Instances currently + more on the way
  - Development instance
    - Purely used for development and internal pre-release/regression testing
  - PPS Instance ([srm-v2.cern.ch](http://srm-v2.cern.ch))
    - Tested by s2, FTS and others
  - LHCb Instance ([srm-lhcb.cern.ch](http://srm-lhcb.cern.ch))
    - Currently being tested
  - ATLAS, CMS, ALICE and other instances coming online soon



# RAL

- One instance currently, more by 01/12/07
  - PPS Instance running (ralsrmf.rl.ac.uk:8444)
    - s2 testing and also configured for LHCb and ATLAS PPS
      - Limited VO testing at the moment
  - Will be deploying
    - 1 instance per VO
    - 1 shared instance (used to map srm-v1 end points eventually)



# CNAF

- 1 Instance running, 1 more to come (I think)
  - PPS running
    - used for s2/FTS/etc testing
  - Current plan is 1 more instance
    - Shared production instance



# ASGC (Taiwan)

- Installing PPS instance today (12/11/07)



# CASTOR SRM-2 Problems

- Lack of tools
  - Recently modified tool to make entering new space tokens simpler
  - But highlighted additional missing tools
    - mostly around changing statuses w/o direct database intervention
- Poor deployment documentation and release awareness
  - Taking steps to improve this
  - CERN twiki being cleaned up



# CASTOR SRM-2 Problems

- Support
  - Currently full time support by 1 person
    - Shaun de Witt
  - Additional (informal) support provided by CERN where needed
    - Giuseppe Lo Presti, Jan van Eldik
    - ALWAYS ASK SHAUN FIRST!!!
  - Working on getting additional support at RAL





# CASTOR SRM-2 Problems

- Load balancing of back end difficult currently
  - Will be addressed in 1.4-1
  - Requires CASTOR 2.1.4 stager
- Copy
  - Fails s2, but works when I run exactly the same
    - under investigation



# Site Problems

- CERN:
  - ORA errors come and go pseudo-randomly.
    - They stop on all instances at the same time each day w/o any manual intervention
    - Under investigation with DB team
- RAL
  - Some additional bugs found not addressed in s2
    - all corrected in CVS and in next release



# Site Problems

- CNAF
  - Initial problems with slow castor instance
    - many requests timed out
  - Moving from test to production instance cured this.
  - Also problems around right version of one of lcg-vomscerts
    - > 4.5.0 required

