



# Grid Operations Centre Update

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LCG Grid Deployment Board

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John Gordon  
CCLRC RAL

- New Staff
- Steering Group Meeting
- Work in Progress

- one moved p/t to GOC staff in Oct
  - Glen Johnson (p/t)
    - background in edg, unix
    - will develop accounting system
- two started f/t 1 Nov 2003
  - David Kant
    - background in edg, unix
    - GOC sysadmin
  - Matt Thorpe
    - background in user support
    - application (monitors, etc) maintenance
- now up to proposed strength

- Phone Conference 20<sup>th</sup> October
- Monitors for GOC Phase 2
- Operational Procedures
- Accounting
- Actions on various people

- All monitors found to be useful
  - gppmon (quick high-level state)
  - MapCenter (detailed tests; history)
  - GridICE (user-level information)
  - SLA tests (moving to MapCenter)
- So in Phase 2:
  - continue to develop present monitors, plus
  - MonALISA
  - network monitors
  - MapCenter

- Collaborating well with Frank Bonnassieux
- Debugging problems with firewalls
- Good vehicle for adding GOC-specific tests
- Testing SLA tests
  - ce-auth installed
  - rb-joblm next

- SLA Guide
- Site Self-Audit
- Procedures for Resource Admins

- define accounting schema,
- develop filters to transform required data from sites to the schema for one or two batch systems,
- develop mechanisms for collecting data from sites and transmitting it to the GOC,
- develop mechanism for matching up data from batch and CE,
- develop and install suitable DB to hold accounting data,
- develop suitable web-based static and interactive reports.



- drafting Operational Procedures
- moving to production GOC system
- developing SLA-specific tests within MapCenter
- developing gppmon
- accounting
- collaboration with GGUS

- Supplements to Security Policy
  - SLA Guide
  - Site Self-Audit Procedures
  - Procedures for Resource Admins
- draft to Steering Group
- will then be put to wider forum of local sysadmins
- Meeting to be arranged at CERN, probably early in new year

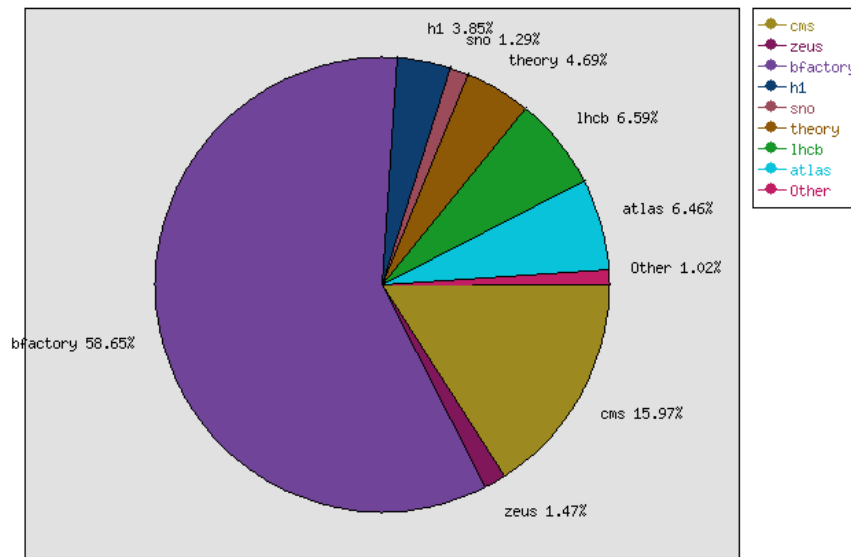
- Will be tailor-made for the job
- Dedicated to GOC work only
- MapCenter, gppmon, website initially
- Other monitors after system is in production
- MonALISA; network monitors
- (not GridICE - remains at CERN)
- Adding new tier2 sites to various monitors
  - four in Spain recently

- high-level; close to user activity
  - but as specific to service being tested as possible
- ce-auth (Authentication test)
  - Done
- rb-joblm (job-list-match)
  - Running; not yet in MapCenter
- mds-ldap (ldap query)
  - Running; not yet in MapCenter

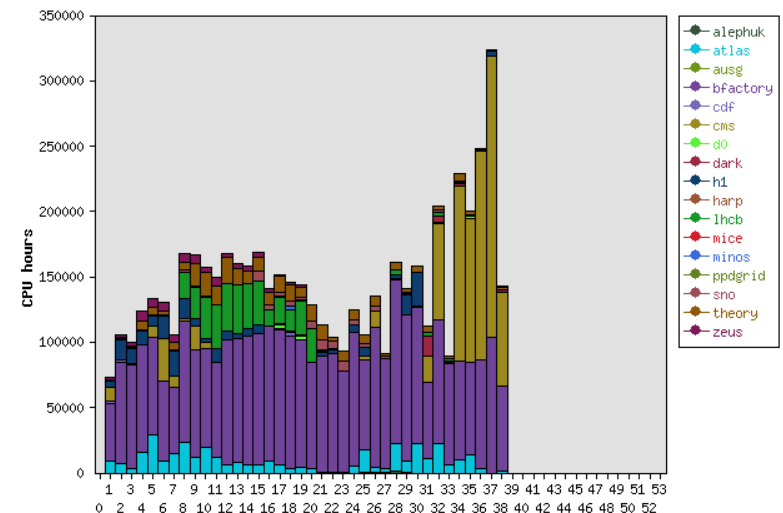
- to show state of RBs
- to add history
- after migration to production GOC

- Should we be accounting all work?  
– or only that submitted via the Grid?
- RRB is considering all LHC work

Cpu usage by groupname for jobs completing in 2003



Cpu usage by groupname for jobs completing each week of 2003



- Will share Remedy system at Karlsruhe
- GOC now has access
- Will shortly begin entering problems and resolutions

- Making Progress
- Established Steering Committee
  - Accounting a priority
- Start direct contacts with sysadmins