



Enabling Grids for
E-science in Europe

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CIC operation and VOs

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 - « Classical » approach (up to LCG2)
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What is a CIC (1):

- CIC is responsible for **unique** Grid services in EGEE
 - User registration
 - VO registration
 - Replica Catalogue
 - Overall operations and problem tracking
 - Coordination of deployment
 - Other, see Cork meeting,
<http://agenda.cern.ch/askArchive.php?base=agenda&categ=a041459&id=a041459s0t23/transparentcies>

What is a CIC (2):

- CIC is working with:
 - OMC: central coordination, policies
 - ROCs: operational problems, deployment
- CIC is composed of 4 (5) partners
 - CERN, Italy, UK, France; later Russia
 - Acting as a unique entity (as seen from ROC/RC/users)
- Initial plan for CIC setup:
https://edms.cern.ch/file/494461/1.0/CIC_Outline_Plan_v1.0.doc
- First CIC meeting was June, 22nd

VO management, “classical”

- Grid user registration service (CERN registrar)
- VO user management service (CERN for HEP, CCIN2P3 for Biomed, SARA/NIKHEF for ESR...)
- RB (anywhere for HEP, CNAF + Valencia for Biomed)
- Replica manager + replica catalogue
- Production sites

- New non-HEP VO needs to find support for all except the first point at different places

VO management, EGEE/CIC

- Grid user registration service (CERN registrar/CIC)
- VO user management service (CIC)
- RB (anywhere + at least one at CIC)
- Replica manager + replica catalogue (CIC)
- Production sites

- New VO deals with CIC only for all of the above
- Initial acceptance of VO in EGEE has to follow EGAAP procedures + negotiations with OMC/CIC.
- CIC takes care of failover procedures for all its services
- CIC contacts ROCs to find production sites, controls progress
- CIC is VO contact for usage statistics, accounting

Biomed support at CIC Lyon

- Problems
 - Delays on initial VO setup due to dispersed know-how, learning effort
 - Partially solved (for future VOs) by centralizing the needed information (see CIC work plan), and by “training”
 - Single RB due to LCG VO orientation of already existing RBs
 - Solved by obligation of CIC to guarantee failover of its services
 - Delays on initial RM setup (same reasons as for initial VO setup)
 - Partially solved by request to italian CIC (experienced with RM)
 - Delays on finding additional Biomed sites
 - Not yet solved, procedure is still manual

Future actions for the CIC

- What to do -
 - (Some of the) Expected results
- Concentrate (and create!) information on setup procedures at CIC
 - Less delays on setup of essential services
- Concentrate information on operational problems at CIC
 - Better planning of work possible for VOs
 - Better coordination between different sites and regions to solve problems
 - Faster problem detection
- Train CIC people
 - Less delays on setup of essential services
 - Faster problem isolation
- Execute the work plan for the CIC
 - Failover procedures provide high availability
 - Problem tracking tool provides for sharing work between CIC sites