



Enabling Grids for E-scienceE

# Partner Status HPCL-University of Cyprus

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[www.eu-egee.org](http://www.eu-egee.org)



- **Current Infrastructure(since Jan/2007)**
  - 2 x Dual Xeon 2.8 GHz HT 40 GB harddisk 3GB RAM
    - *Each can host 6 Virtual Machines*
  - 1 x Pentium 4 1.5GHz 40GB harddisk 512MB RAM
  - 1 x Pentium 4 1.7GHz 40GB harddisk 256MB RAM(“deprecated”)
  - 1 x Dual Pentium III 800MHz 2x30+1x70GB SCSI harddisk 768MB RAM
  
  - Virtualization Technology used : VMware

- **Objectives:**
  - Maintained a full testbed
  - Certified patches on demand
  - Took up AMGA release
    - SAM tests, YAIM scripts, Client API's
    - Close cooperation with CERN SA3 team

- **Release 3.0**

\*\*Newly installed

- OS version: SL Linux 3.0.8
- Java version: SUN jdk 1.4.2
- Nodes
  - *gLite WMSLB (3.1 "like") \*\**
  - *gLite BDII*
  - *gLite Mon*
  - *gLite WN*
  - *gLite dpm\_mysql*
  - *gLite LFC*
  - *AMGA 1.2*

- **Release 3.1**

- Java version: SUN jdk 1.5.0
- Nodes
  - *Lcg-CE (SLC4.5) \*\**
  - *gLite WN (SLC4.5) \*\**
  - *gLite WMSLB (SLC4.5)(Not used -- problematic)*
  - *gLite UI (SL4.4) \*\**
  - *AMGA 1.3 (SLC4.5)(amga201) \*\**

- **Yaim module**

- AMGA-postgres configuration module for yaim
  - Yaim 4.0.x compatible
- Configures AMGA 1.3 with
  - ODBC 2.11 and
  - PostgreSQL 7.4...on SL4.5
- Cern CVS: `glite.yaim.amga`

- **AMGA release**

- Close communication with CERN-SA3
- Provided the list of dependencies and repositories for the AMGA metapackage
- Helped ETICS people to put PostgreSQL-odbc 8.200 driver in the externals repository

- **AMGA SAM tests**
  - Decided which tests should be made for the SAM portal
    - Layer 1:
      - *Node ping test.*
      - *Node statistics test*  
*AMGA provides a function for this. The server responds with an XML file about the health of the service(3.1).*
    - Layer 2:
      - *Functional tests. Check whether a user can create directories delete rename add entries - attributes etc. This test will*
      - *Checks (almost) all the commands that the AMGA server can accept.*
  - Tests are running every day against our node(amga201.grid.ucy.ac.cy)
    - Most of the test cases were provided from Birger Koblitiz
    - Ported in order to work with:
      - *Certificates & the SAM portal*

- **Problems installing the PPS Icg-CE**
  - Mainly information system problems
    - Announcing 44444 waiting jobs
- **Easysam portal does not submit jobs to our site**
  - Nor automatically neither manually

- **Current UCY “expertise”**
  - AMGA node
  - Familiar with SAM(E) environment tests development
  - Familiar with YAIM scripts development
  - Familiar with installing/certifying patches
- **EGEE II**
  - Maintain the operation of the “full” cluster
  - Release glite-AMGA (currently on PPS) server and client API’s
  - Verify/test firewall settings on demand
  - Certify/test patches on demand
  - Maybe develop yaim modules or SAM tests
- **EGEE III**
  - Have to re-estimate responsibilities
  - Allocated **only 11 PM’s**



**Thank you!**