



**GridPP**

UK Computing for Particle Physics

# VOMS chapter 1&1/2

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# Summary of the previous chapter

- VOMS software introduced in LCG-2\_4\_0
- No automatic installation but very good installation notes.
- LCAS/ LCMAPS weren't working properly
- Grid-mapfile could however be built
  - Support for small VO
  - No support for groups/ roles in big VOs
  - Or for users belonging to more than one VO
- A server was installed in Manchester as part of the Northgrid contribution to the UK testzone.
  - Could be used but wasn't "official"



- GridPP national VOMS to support smaller VOs: phenogrid, t2k
- Agreement with NGS for mutual support
  - Common infrastructure to maintain the VOMS servers
  - Common VOs support
  - Common distribution of information
  - Enable each other VOs on each other systems



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# What is happening in Manchester

- Manchester
  - ½ FTE for this support: Sergey Dolgobrov
  - Tier2 is becoming slowly alive
- Support part of the Tier2 infrastructure
  - 3 servers for GridPP: 1 Test, 1 production, 1 backup
  - 2 servers for NGS: 1 production, 1 backup
- Sergey will be the VOMS administrator and will do VOs support
  - NGS FTE not yet there will give support on best effort



- At first glance it doesn't look good
- Central VOMS servers are unstable
  - Expected to be fixed with next versions of gLite (current is gLite 1.4)
- Still in a hybrid phase
  - LCG clients still under the edg tree of directories
  - Servers pure gLite
  - Idap/grid-mapfile and VOMS authz mechanism coexist.
  - DN/ UID mapping still static



- Server can still be installed quite easily
  - Even with gLite tools
- LCAS/ LCMAPS work on the machines installed with LCG tools
  - Users can be mapped to different VOs correctly
  - Roles can be assigned
- Authz hybrid is to allow users to keep on using the system during the transition.
  - They'll have to re-register sometimes in the future.
- Voms-proxy-init works
- Clients and servers interoperate
- The system is easy to back up and restore



- There are 2 test servers in Manchester
  - Started with gLite 1.3 now moving to gLite 1.4
- One system has been reinstalled using the database back up of the other.
- The upgrade has being completed in the same way
- T2K VO has been created on IC request
- RAL and IC RBs and Manchester and IC CE/ SE have enabled the VO
- People testing can be mapped to dteam and t2k





- How will the general infrastructure be?
- How do VOs can request to be enabled?
- How do we enable them on the system?
- How do we distribute the server certificate?
- How the end point? i.e. how do we configure the `mkgridmap.conf`
- And the contact strings?
- Most importantly: How do we support local VOs to give them privileged access to their resources without backdoors? 😊
- Voms server naming scheme?





# Conclusions

- Some solutions are on the way, some others are temporary and others need discussion
- However the production system will be set up next week
- A gridpp VO will be created for testing
  - but it could also end up being a mother VO and the real VOs being subgroups
- T2K will be maintained for now as it is.
- Other VOs will have to send a request to be created for now to Jeremy Coles until a formal procedure is established.

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