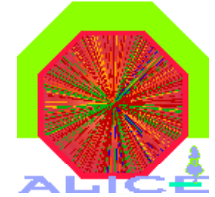


gLite Services Strategy of ALICE

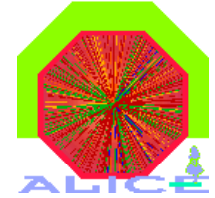
Patricia Méndez Lorenzo
CERN (IT/PSS)

EGEE 07, Budapest



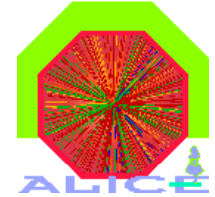
ALICE Testing Strategy

- The access of ALICE to any site LCG service is ensured through the VOBOXES
 - Any new middleware version is therefore tested on the local VOBOXES offering the new service
- ALICE uses a “test VOBOX” at CERN (host voalice03)
 - Used to test the new gLite services - they are first typically deployed at CERN
 - Managed by ALICE and inserted in production
 - It can work with the PPS service and the production service
 - Therefore the new service can be tested under real conditions simply by changing the configuration



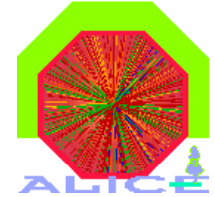
Testing the Services (I)

- gLite3.1 VOBOX
 - Highest priority for ALICE
 - The gLite3.1 has to be ready and deployed at all sites before the LCG RB is phased out (end 2007)
 - The VOBOX software suite and configuration has been setup following the ALICE experiences and requirements
 - **Proxy renewal mechanism:** allows the delegation of VOMS extended proxies
 - **Pool accounts:** Not applicable for VOBOXES (used in gLite3.0 since summer 2007)
 - The new gLite 3.1 VOBOX has been tested, configured and put in production through voalice03 before it has been deployed onto PPS (last step before the official release)



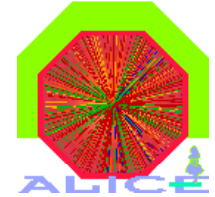
Testing the Services (II)

- WMS3.1
 - ALICE has been granted access to the WMS3.1 test instance at CNAF
 - Used in production in summer 2007 through voalice03
 - Already containing the pilot version of gLite3.1VOBOX suite
 - Passing directly to WMS3.1 service node at CERN placed in production for ALICE exclusive use



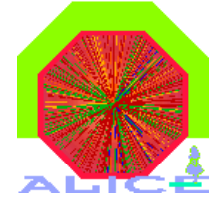
Testing the Services (III)

- **FTS**
 - **FTS1.5**
 - ALICE tested widely this service in SC3 (summer 2006 to early 2007)
 - Service production status verified
 - **FTS2.0**
 - Testing foreseen to begin 2nd week of October 2007
 - Service is already in production, ALICE will use directly this instance



PPS usage by ALICE

- gLite-CE
 - Testing was done on the PPS (gLite3.0)
- SL4(WN)
 - Non-native (SLC3 compatible) version extensively tested in PPS and reported to GD
 - Several sites provided native SL4 environments
 - ALICE is using SL4 in production



Conclusions

- The PPS is certainly a good idea, in principle, however
 - **Human resources are very scarce**
 - **Our experience till now indicates that testing in production is possible**
 - **It also has some advantages in being more “realistic”**
- **So ALICE has a neutral attitude toward the PPS**