



AliEn²
@GRID

AliEn v2.12

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Important news

- ◆ v2-12 does not keep backward compatibility.
 - After the update of the central services, all the sites will have to install the new version
- ◆ At the moment, it is being tested by another V.O. (PANDA workshop in Groningen)
 - Still some updates have to be done
- ◆ It will not be deployed for ALICE for at least the next two weeks
 - Keep the production running
 - Conference in Romania
- ◆ At the moment, some sites are running hybrid mode
 - Tier1 are using v2-11 with some v2-12 patches
- ◆ You can check the status in
<http://alien.cern.ch/twiki/bin/view/AliEn/Development>

Backward incompatible

- ◆ New version of perl: 5.8.8
 - It uses a new method of Storable
- ◆ New authentication method:
 - SASL libraries
- ◆ New Banking System

Banking System

- ◆ Developed by Artem Harutyunyan & Arsen Hayrapetyan
- ◆ Want to executed a job? Pay for it!
 - Users pay for utilizing Grid resources
- ◆ Want to earn money? Provide resources!
 - Sites earn money by providing resources
- ◆ (Not real money, 'virtual money' ☺)
- ◆ Presented during TaskForce Meeting

<http://indico.cern.ch/materialDisplay.py?contribId=2&materialId=slides&confId=a06371>

Improved reliability

- ◆ New version of mysql and DBD::mysql
- ◆ New version of xrootd
- ◆ Improved the FTD
 - Better error handling for FTS
 - Decrease FTD communication
 - Deployed already in Tier 1

Storage classes

◆ Quality of Services for SE

- Custodial
- Replica

◆ Expiration time for files in replica SE

◆ Automatic deletion of files from SE

◆ More details:

<http://indico.cern.ch/materialDisplay.py?contribId=2&materialId=slides&confId=a06372>

Still left to do...

◆ Tasks still to do:

- Make the PackMan delete automatically old software packages

◆ Tasks for v2-13

- Quotas
- Improve the monitoring of Queue JobAgents

Conclusion

- ◆ AliEn v2-12 is being tested at the moment
 - Still some fixes and patches have to be done
- ◆ It will not be deployed for at least 2 weeks
- ◆ V2-12 is backward incompatible

- ◆ More info

<http://alien.cern.ch>