



AliEn / Panda Workshop

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Topics

- AliEn items
- PANDA items
- Workshop rooms

AliEn items

- **AliEn 2-19**
- **Using ORACLE backend for AliEn**
- **AliEn<->AliEn interface**
- **SE configuration**
- **Independent PackMan services**
- **glExec**
- **Documentation update, sync with AliRoot Offline Bible**
- **AliEn installer**
- **Secure, httpd-based services**

AliEn items

- Perl 5.10
- Data replication (automatic retry if file is not online; investigation on why we can't move data faster)
- API services (new version / SE discovery r/w)
- New quota system
- MySQL replication
- POD on AliEn
- Propagate job kill to the JA
- Torrent distribution

AliEn items – CREAM CE (Patricia Mendez)

- The new CREAM module has removed all interactions with the CREAM-DB
- A first version has been put in production at CERN and at Subatech
- Jean-Michel has reported some inconsistencies in terms of the query to multiple BDIIs
 - Reinforcement of the current code needed
- Good moment to solve these problems and leave the module ready for the new information query tool proposed by the CREAM developers

AliEn items

- Automatic diagnostics of site services failure (in addition to the present monitoring) notification and restart (Tim Randles)
- Reliable file deletion
- Storage / xrdcp envelopes
- Checking the authorization controls for storage access
- Getting md5 checksums and controls into the catalogue (Steffen Schreiner)

AliEn items – Jeff Porter (LBNL)

- Deploy NERSC / HPSS storage in ALICE
 - SE configuration : HPSS/xrootd interface with FRM protocol instead of MPS
- Job Tracking / Logging for site-level forensics
 - To be able to quickly answer a few questions from local information: who ran what where on our site
 - Hooks to match job identification (JobAgent, jdl, lrm job ID, user DN) with job info (alien+job+system logs)
 - Local log copies (syslog / syslog-ng) plus targeted parsers for independent forensics

PANDA items

- Connect computing resources that are part of BIG Grid to PandaGrid (Jacco van der Weele)
 - He's also volunteering to test this week's AliEn 😊
- ML web view for CBM-Grid
- File transfer web interface for Panda / CBM
- API servers for PANDA / CBM, or investigate alternatives to access AliEn from ROOT
- Solve the transfers bottleneck when running large production (basically, continuous production mode didn't work)

PANDA items

- Solve the disappearing files problem (quite embarrassing)
- Set up a spam-filter-proof way of delivering ML notifications to site admins (services down, disk full)
- Expand the range of notifications to include more systematic warnings: transfers slowing down, failure rate getting too high, database approaching overload...
- Tidy up the storage elements table (and underlying reporting)

Workshop rooms

- **Mon : 13-2-005**
- **Tue : 30-7-018**
- **Wed**
 - morning : 13-2-005
 - afternoon : trip
- **Thu**
 - morning : 17-1-007
 - afternoon : 14-4-030
- **Fri : 31-3-004 (IT Auditorium)**

A blurred background image showing hands typing on a laptop keyboard. The image is out of focus, with the hands and keyboard appearing as soft shapes. The lighting is warm, and the overall tone is professional and focused on digital work.

Questions?