CRAB status report

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PubDB decommissioning

- Lately some strange rumor circulated about accessibility of data via CRAB after PubDB decommissioning
- Will try to clarify the issue.

  ▸ After PubDB decommissioning ORCA data will be available via the new system (DBS/DLS)

  ▸ The transition will be transparent to user (with possibly some problems on early stage - but lot of tests have/will be done)

  ▸ Any user can already now use DBS/DLS with CRAB 110 (see after).

- A conservative transition phase is being discussed, so to avoid possible problems
- PubDB will stay up for a while after transition to DBS/DLS in order to have a backup solution while eventual problem are solved, but officially obsoleted.
- When all will be stabilized, we will say farewell to PubDB

CRAB 1 1 0

On 28 April 2006 CRAB 1 1 0 have been released

- BOSS 3.6.4 (bug fix wrt previous version)
- Support for FAMOS jobtype (Georgia) including pile-up handling
- Support for DBS/DLS mode (Alessandra): available for integration group since few months
    - ▶ Not yet the default, but any user can try it by selecting *orca_dbs_dls* jobtype in `crab.cfg`
    - ▶ Do use DBS/DLS+local site configuration for data discovery and location: no use of RefDB and PubDB.
    - ▶ DBS/DLS already now contains all datasets available (well, almost, there could be some missing)
    - ▶ No changes needed in crab.cfg, user .orcarc or anywhere else, fully transparent to user

CRAB 1 1 0 (II)

- Support for access to OSG sites via RB: transparent to users, provided OSG sites appear on CMS BDII
- Support for condor_g (Oliver): meant for OSG → OSG direct submission
- Usage of VOMS for authentication: WARNING all user have to register to VORMS server. For the time being, all user are in just one group, but that's the first step toward prioritizations of jobs among groups and users
- Use of myproxy server to extend proxy expiration for jobs already submitted (default is 1 week, was 1 day for normal proxy, 12 h for voms proxy)
- fix all outstanding bug and problems as reported by users.

CRAB and CMSSW

CRAB 1 1 0 is not able to run CMSSW (only ORCA and FAMOS):

- A prerelease version (for developers and brave users) which is able to run CMSSW is available (working name is 120_pre4)
- Will be used for tomorrow tutorial/demo
- Has almost complete functionalities:
  - ▶ job preparation
  - ▶ pset manipulation
  - ▶ data discovery and location (via DBS/DLS)
  - ▶ splitting (file based)
  - ▶ etc...
- not yet released since it's not guaranteed to be backward compatible with ORCA (will be, of course)
- Will be the base for future development
- Still small experience about how users will actaully use CMSSW for real analysis: important to gather early feedback

CRAB and CSA06

- Main role will be to guarantee the access to remote data for final user analysis;

- Capability of doing so will depend mostly on other components availability and performances (as is today);

- Even more critical is the integration of all components in all sites to get a working system;

- The expected rate of jobs (~ 10 kjobs/day) is achieved already now for normal usage;

CRAB and CSA06 (II)

- The actual functionalities have been developed to cope with **real** analysis scenario, and extensively used by many user for PTDR.
- Must follow strictly development of CMSSW (and provide feedback) to understand new analysis use cases and CMSSW usage by user (eg little/no experience for analysis which access calibration DB or similar)
- Integration with gLite (work already in progress);
- Follow DBS/DLS as well
- User support (which should not be just a CRAB problem...);