

MCDB: last status and nearest plan

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OUTLINE

- Current status report
- Nearest plans

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- ***Current status report***
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- ***Nearest plans***
 - *Advanced file-uploading-system*
 - *Improvement of article's list view*
 - *DB-security revision*

Current status report.

Last works

- ***Migration from old CMS-MCDB***
 - migration articles manually
- ***Articles-UI bugs fixing***
 - some files lost when user uploads them
- ***Promotion in collaborations***

Current status report.

MCDB using

- ***Number of users***
 - less then 20 (07 March 2006)
- ***Experiments involved***
 - CMS, ATLAS, LCG
- ***Users requests (feedback)***
 - More stable interface for article editor
 - More convenient file uploading system
 - Improve articles list representation

Current status report.

MCDB status conclusion

- ***Nearest plan correlated with:***
 - end-users feedback
 - provide interface which allow multiple file uploading, show uploading status, easy manage uploaded files,
 - split by pages long list of articles on output,
 - self-examination
 - Improve error and log reports,
 - Physics model template refining (table for each parameter, reduce number of theoretical models),
 - API for LHC collaboration environments (need contact, etc.).

Nearest plan.

Advanced file-uploading-system

- ***Requests:***
 - provide multiple files selection for uploading,
 - wildcard support for files selection,
 - different storages support for selected files (local disk, AFS, Castor, gridFTP, etc.),
 - control for uploading process in real-time

Nearest plan.

Advanced file-uploading-system

- ***Problems:***

- security on client-side: restricted access for local files when selection performs and multiple files upload "at-once",
- different ways for multiple-local-files-selection for each web-browser,
- security on server-side: check whether web-user has access for remote system's directory (AFS, gridFTP, Castor) directory listing,
- different storages support for files selection (local disk, AFS, Castor, gridFTP, etc.),
- difficulties with control and observation of process during multiple-files-uploading.

Nearest plan.

Advanced file-uploading-system

- ***Solutions:***

- provide several interfaces for local filelist selection, depending of web-client equipment,
- use Java-applet if possible – it'll be solve much more problems,
- use AJAX if possible for uploading process monitoring,
- if web-browser's equipment is restricted then provide plain "file-per-once" uploading method.

Nearest plan.

Articles list view improvement

- ***Request:***
 - split long list of articles by several pages during output.
- ***Problems:***
 - need to change stable source code.

Nearest plan.

The rest

- ***In discussion:***

- Improvement error and log reports,
- Physics model template refining (table for each parameter, reduce number of theoretical models),
- API for LHC collaboration environments (need contact, etc.).

Documentation

- web-page: <http://mcdb.cern.ch>
- [hep-ph/0404241] LCG MCDB,
- [hep-ph/0403100] CMS MCDB,
- users support: lcg-mcdb-user@cern.ch
- developers: project-lcg-mcdb@cern.ch