Software Packages

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http://www.hep.ph.qmw.ac.uk/~landon/talks

Overview

- Recap
- Status
- Plans

Recent History

- Many unresolved and some contentious issues have been bubbling away for a while...
- Software process and QA
- Future of some existing packages
- Shape of new packages
- Interfaces between them

Software Packages (2)

Recent Activity

- All prompted another look at the online software project as a whole
- Software context diagram and overall requirements
- Software packages diagram and scope of each package
- Diagrams and some skimpy text presented and discussed by various groups of interested parties before and during the Mainz meeting

TDAQ Week Discussions

- Proposed some changes to packages diagram (Module Services package)
- Concern about number of interdependencies?
- Plenty of discussion about procedure for calibrations (synchronisation of calibration steps with pausing the trigger and analysing calibration events)

Software Packages (3)

Since TDAQ Week

- New draft requirements document: incorporates context diagrams and set of user requirements for the L1Calo online software
- New draft document discussing implementation in a set of packages, each with a defined scope. This document is also intended to define our software development procedure, use of CVS repositories, etc
- Some details of monitoring activities hived off from the old draft requirements document into a new document

Next Steps

- Discuss new documents by email and at imminent UK software meeting
- Video conference with Heidelberg reasonable soon? (If we are prepared for a focussed discussion)
- Set up some kind of a review
- Then, requirements of individual packages in more detail
- Need APIs, ie interface design, for some key elements (module services, database?)

Documents

Status of Drafts

- Many draft documents exist
- Some nearly final: eg TTC
- Some in limbo needing more work, eg Calibration, Database
- Some intermediate: eg Run Control?

Procedure?

- Authorship of (semi) internal notes?
- Procedure for declaring some version of a document as final (ie can be stored in EDMS)
- Ditto for revisions of existing documents