LCG Persistency Framework Project

Boundary Conditions
and
Overall Schedule

Torre Wenaus, BNL/CERN

BROOKHAVEN
NATIONAL LABORATORY

Current State of Persistency Framework Schedule

Date	End	Description	WBS ID	ID#	ID name
2002/6/5	Milestone	Hybrid event store workshop Keys: ms lcg2 lcg app data WBS: lcg:/lcg/app/data/frame To address software design, plans, and work allocations to meet the September prototype persistency framework milestone.	lcg:1.1.2.1	10207	
2002/6/9	Milestone	Persistency framework status report Keys: ms lcg2 lcg app data WBS: lcg:/lcg/app/data/frame A summary report reflecting status and outcomes after the persistency workshop, preliminary to the complete July work plan. To be delivered to the SC2.	lcg:1.1.2.1	10208	
2002/9/15	**Milestone**	**First prototype release of hybrid data store** Keys: ms major lcg1 lcg2 lcg app data WBS: lcg:/lcg/app/data/frame A first prototype hybrid data store capable of providing event data persistency in a production setting, and supporting also non event data persistency. This will be a release for deployment and testing by developers and experts. Deployment in (at least) CMS and ATLAS.	lcg:1.1.2.1	10212	
2003/1/31	Milestone	Persistency framework 'interface-complete' release Keys: ms lcg2 lcg app data WBS: lcg:/lcg/app/data/frame A release of the persistency framework in which interfaces which may have not been implemented in the 9/2002 prototype because of time pressures, are delivered. This is still a 'developers and experts' prototype release. The first general release follows later this year.	lcg:1.1.2.1	10214	
2003/6/1	**Milestone**	**General release of hybrid event store** Keys: ms major lcg1 lcg2 lcg app data WBS: lcg:/lcg/app/data/frame A more functional and robust version of the persistency framework (but not yet a full function release). This will be a release offering basic hybrid persistency services, properly documented and packaged for general use by the experiments.	lcg:1.1.2.1	**10215**	
2005/3/1	**Milestone**	**Full function release of persistency framework** Keys: ms major lcg1 lcg2 lcg app data WBS: lcg:/lcg/app/data/frame Completion of the fully functional persistency framework.	lcg:1.1.2.1	**10218**	

This Workshop: Purpose

- To address software design, plans and work allocations to meet the September persistency framework prototype milestone.
  - We do need to focus this workshop on the concrete program to September
- We are rushing to an early prototype: this is in my view a good thing
  - An initial prototype implementation based on initial technology choices and whatever prioritizations are necessary to deliver
  - Deliver working code and a basic working system, then iterate and build on it
- We are serious about building a framework compatible with introducing other implementations in the future
  - Committed to clean component breakdowns and interfaces able to support future implementations

This Workshop: Goals

- We need to emerge from this workshop with
  - An agreed feature set for the September prototype
    - What will be delivered, what will be deferred
    - We must focus available effort on what is to be delivered
  - An agreed component breakdown covering at least the functionality of the September prototype
  - Identification of the interfaces for the needed components
    - Draft specifications for as many as possible
    - Agreement on as many as possible
    - Agreement on any prioritizations involving deferral past September of certain 'internal' interfaces
  - Agreement on approaches – or at least quick decision processes to settle approaches
    - E.g. persistent references and navigation

Goals (2)

- Definition of work packages
  - With scope covering at least the feature set of the September prototype
  - With estimates of required effort
- Assignment of work packages to active participants
  - Assessment of whether the scope needed for September is covered
  - Unassigned work packages?
  - Inadequate available effort in some work packages?
- Timeline

- If this workshop fails to settle the specifics of a September prototype – technical, timeline, and work packages allocated to active people – I hold little hope for achieving that milestone!

What Next?

- Status report to SC2 next week
- Within 1-2 weeks…
  - Small focus meetings in work package teams
  - Get timelines and deliverables from the work package owners within 1-2 weeks
- Persistency Framework workplan to SC2 July 12
- Next meeting/workshop…
  - Status and integration meeting in late August?
- Next major workshop end September?
  - Assess what we have (and have not) done and what we have learned
  - Take a longer view of the development plan

…and enough of the preliminaries!

BROOKHAVEN NATIONAL LABORATORY