

LArSoft - Feature #10888

Complete first round of services re-architecture

11/09/2015 11:06 AM - Ruth Pordes

Status:	Closed	Start date:	11/09/2015
Priority:	Normal	Due date:	12/31/2015
Assignee:	Gianluca Petrillo	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	v05_00_00	Spent time:	136.00 hours
Experiment:	-	Co-Assignees:	
Description			
Complete first round of services re-architecture as described at https://cdcvs.fnal.gov/redmine/projects/larsoft/wiki/Architecture_revision			
DatabaseUtil, LArProperties, DetectorProperties, TimeService, LArFFT, SpaceCharge			

History

#1 - 12/01/2015 04:50 PM - Gianluca Petrillo

- % Done changed from 50 to 90

The current state of the work is in feature branches:

- feature/jpaley_LArPropertiesBreakup for all LArSoft repositories except larexamples and larsoft
- feature/gp_ServiceCoreReview for all experiment code except DUNE: ubooncode, lariatsoft, argoneutcode and lar1ndcode
- feature/jpaley_LArPropertiesBreakup (to be checked!) for DUNE (dunetpc)

Jonathan Paley has done great part of the work of splitting.
DUNE's code might need minor adjustments to date; the rest of the repositories is *ready for test*.

#2 - 12/01/2015 04:51 PM - Gianluca Petrillo

- Target version set to v05_00_00

Pending: FHiCL configuration validation of LArProperties and DetectorProperties.
This is optional, but I would like to make it happen.

#3 - 12/10/2015 10:23 AM - Gianluca Petrillo

- Status changed from Assigned to Resolved

FHiCL validation has been added to LArPropertiesServiceStandard, DetectorPropertiesServiceStandard, and their providers.

Target is delivered and expected to be merged into v05_00_00_rc branches.

The final list is:

- LArProperties, DetectorProperties and TimeService heavily reworked
- Geometry slightly changed to conform to new patterns
- IChannelStatusService and IDetPedestalService renamed
- DatabaseUtil deprecated and dropped from standard services
- LArFFT and SpaceCharge not touched and still in need for factorization (*not scheduled*)

#4 - 12/10/2015 10:25 AM - Gianluca Petrillo

- % Done changed from 90 to 100

A summary of the work has been presented to the Coordinators.

#5 - 05/03/2016 10:34 AM - Lynn Garren

- Status changed from Resolved to Closed