

Report on Belle-II Data Handling Working Group

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Members

- Members @ KISTI
 - Kihyeon Cho [KC]
 - Junghyun Kim [JK]
 - Sunil Ahn [SA]
 - Soonwook Hwang [SH]
 - Namkyu Kim [NK] (As of Jan. 1, 2010 left)

What has been discussed on Dec. 15, 2009

- KISTI
 - To maintain the central AMGA server and take care of the metadata replication.
 - To work on the replication of **meta-data**.
- Krakow
 - is responsible for the job submission tool and the assignment of files to jobs based on the file-level metadata.
 - To take care of the recovery mechanism for failed jobs.
- We agreed to continue with the parallel development of AMGA clients for the moment and evaluate them when we do the large scale data handling test.
- We will merge the systems:
 - command script -> c++
 - portal tool -> python

Current Status

- We composed of the meta system for Belle-II.
- We optimized the meta system.
- The replication from KISTI to Melbourne worked well.
- We released the first version of command tool.
- To work on Data cache
- To test Large Scale Physics Data
- To apply the redirection and replication systems for large scale data

Project Planning

- Data/Job handling prototype
 - JA, SA, March 2010
- Large Scale Data Testing
 - JK, BK, KC March 2010
 - Depending on NSDC
- Data Caching R&D
 - JK, June 2010
- Configuration for AMGA system in DH system (Optimization of large scale data)
 - SA, JK, Dec 2010
- RB & DH system based on Grid system
 - JK, SA, Dec 2010

Paper Works

- TDR
 - Session 3.1 Meta Data
 - 1st draft is done.
- CCP 2010 (June 14~15, Norway)
 - To submit abstract to CCP 2010 (Deadline Feb. 1)
 - “Data Caching at the Belle-II experiment”
- CCP 2009
 - To submit draft to CCP 2010 (Deadline March 1)
 - “The Advanced Data Searching System with AMGA at the Belle-II Experiment”

Thank you.