

Report for Belle II DH group

2010. 4. 15

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Belle II Time schedule

- 2014 April – Collider turn on
- 2012 February – Ready for Computing
- 2011 Summer – Rough final system
- 2010 Summer – Prototype system
 - Spec & Test
- 2010.5 PAC – Ready for questions
 - Computing & Pixel
- Belle II DH computing system
 - Grid, DH => New method from Belle II
 - Does it work? => Back-data

Data Handling Process

- The whole process:

KISTI

Melbourne

– Data Transfer => Extraction => Scalability => Replication => LFC => Grid farm

– KISTI will take care for up to LFC. Then, Melbourne will get LFC file and do Grid test.

– The current status is on the processing of extraction. The extracted files had been already sent to Tom for LFC.

- The procedure for metadata is as follows:

– Metadata => LFC => SE => Physical Data

– For this processing, we need to install Grid SE.

KISTI group

- Belle II DH KISTI meeting
- Date: April 8, 2010 1:30-3:30 PM
- Participant:
 - Kihyeon Cho (cho@kisti.re.kr) – HEP team
 - Junghyun Kim (hyun@kisti.re.kr) – HEP team
 - Soonwook Hwang (hwang@kisti.re.kr) - AMGA team
 - Tae-Sang Huh (tshuh@kisti.re.kr) –AMGA team
 - Sunil Ahn (siahn@kisti.re.kr) – AMGA team
 - Beob Kyun Kim (kyun@kisti.re.kr) – NSDC team
 - Jinseung Yu (jsu@kisti.re.kr) – NSDC team
 - Seoyoung Roh (rsyoung@kisti.re.kr) – NSDC team
- Minutes of meeting

KISTI group

- Minutes of meeting
 1. Junghyun will give output to Tom. Then, Tom will check the replication and give the feedback to Junghyun.
 - 2, Beob Kyun will care for SE & DPM. It depends on the GPFS engineer's schedule and DPNS register script design schedule (by collaborative work with Tom). Actually, KISTI has planned to enable SE & DPM by 2010 summer.
 3. Beob Kyun will provide the basic convention of PFN (protocol name and hostname and first head) to Tom.
 4. We will join Belle VO.
=> Kihyeon joined Belle VO and will assign Korean Belle II members.
 5. We will report the progress at the Belle II DH meeting => Today

Melbourne Group

- Tom Fifield
 - Just as a followup - I have been speaking with Beob Kyun Kim who has made **excellent progress with the storage - particularly looking at making the current Belle data accessible through the grid.** (4/8)
 - Perhaps Beob Kyun's team would be in a better position to report on this than myself? (4/13)
=> Christophe's talk

Polish group

- Maciej Siarz (April 8)
- Test for AMGA replication
- Draft plan
 1. Setup one system with AMGA (Virtual machine)
 2. Test this AMGA server
 3. Copy that virtual machine and setup about 4 different servers
 4. Test the replication (master <-> master) (?)
=> Sunil will give talk about AMGA structure.

From Computing Group

- Dear Kihyeon,

Thank you for your effort to arrange a DH meeting, these days. This morning, our B2TDR is released to the TDR reviewers. **At around the middle of the next month, we will get questions from TDR reviewers. Anyway, to establish the DH system, let's continue our efforts.**

See you tomorrow.
Takanori Hara (April 15)

To do list

- To finish whole process from data extraction to grid
 - Transfer
 - Extraction 4/8
 - Scalability test 4/15 => Start from 4/19
 - LFC - Melbourne
 - Grid – Melbourne
- To meet question's for PAC meeting
 - For DH system, prototype run will cover it.
 - For AMGA itself, Dr. Hwang will cover it.