

August 5, 2010

Belle II DH Working group, KEK, Japan

Status of Belle II Data Handling

Kihyeon Cho

High Energy Physics Team

KISTI (Korea Institute of Science and Technology Information)



- Dr. Youngjin Kim (June 1)
 - Post-doc. at HEP team @ KISTI

- Mr. Byungsoo Yoo (July 19)
 - Master student at Gyeongsang National University
 - Now, intern student at HEP team @ KISTI
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 - Training for Belle II DH system

Products



● Conference talks

1. *The Advanced Data Searching System with AMGA at the Belle II Experiment*
 - CCP2009, Gaushung, Taiwan, Dec., 2009
 - To be published
2. *Data Cache System at Belle II experiment*
 - CCP2010, Trondheim, Norway, June 2010
3. *Belle II Data Management system*
 - CHEP 2010, Taipei, Taiwan, Nov. 2010
 - Accepted as an oral talk

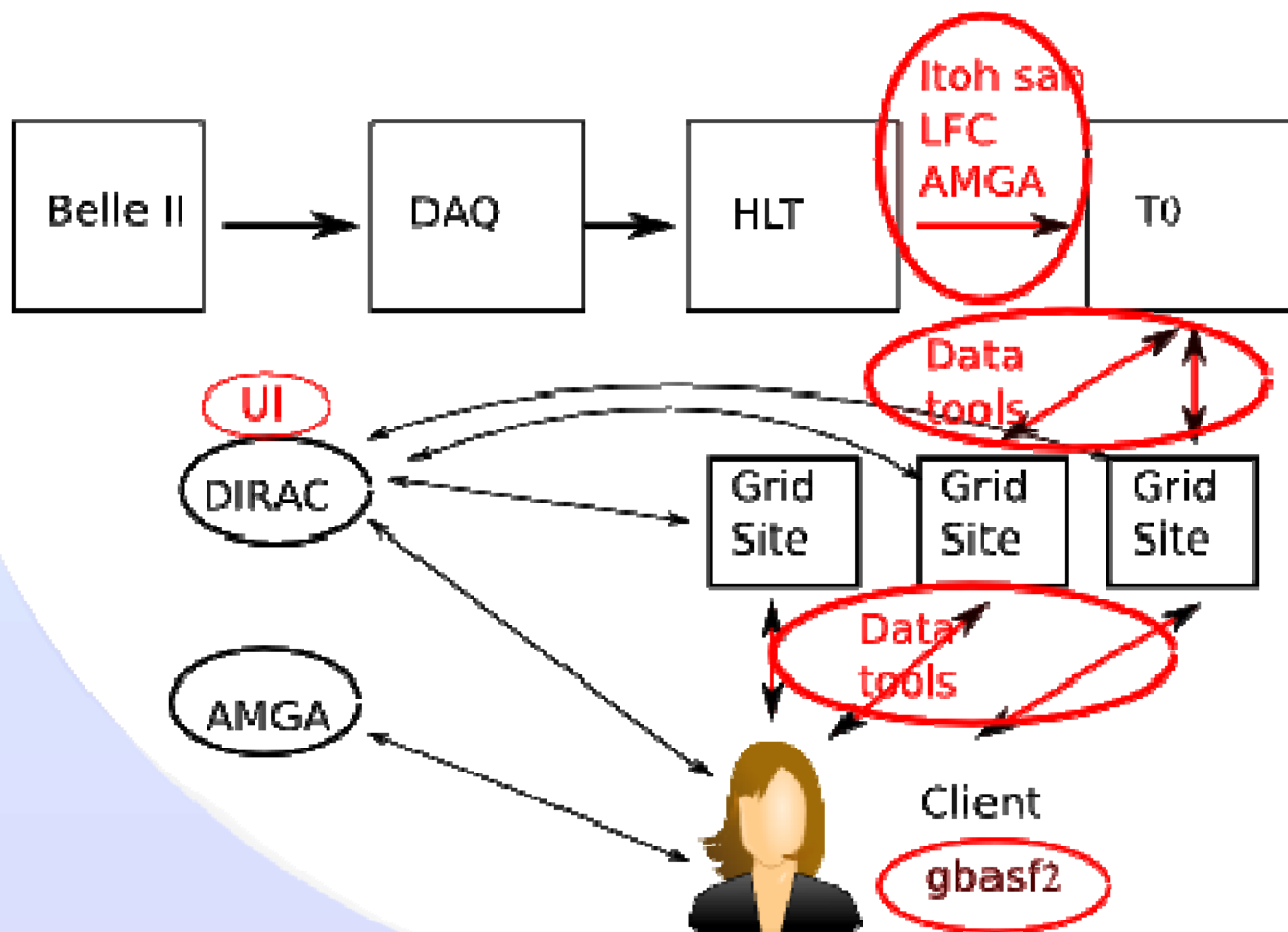
● Draft

1. *Design of the advanced metadata service system with AMGA for the Belle II experiment*
 - Junghyun distributed it last week.
 - To submit to JKPS (Journal of the Korean Physical Society)
=> Deadline: August 14, 2010



- AMGA server has been shut down.
 - To move it to inside of firewall
 - It will take a couple of weeks.

The missing pieces



The interface between HLT and T0



(Itoh San)

- Calibration data Access (Read-only)
 - Same as basf2
 - Several times in an hour
 - However, HLT has many event processing PC.
 - A few hundred access in a minute
 - => Database proxy or caching mechanism
 - ⇒ Will test 1000 Hz/minute
 - (Current maximum speed of AMGA writing-only is 400Hz/s.)
- HLT writes processed event data in local file temporary storage.
 - The files are supposed to be registered in AMGA servers.
 - A few times in an hour at most => It is OK.

The 3rd Belle II Computing Workshop

- Date: November 22–24 2010
 - 1st day (Monday): Off–line and HLT software / Banquet
 - 2nd day (Tuesday): Distributed Computing and Data Handling
 - 3rd day (Wednesday)
 - Morning – Overflow
 - Afternoon– Excursion
- Place: KISTI, Daejeon, Korea
- Hosted by HEP team @ KISTI
- Lodging: Yusung Hotel (Discounted rate)
 - <http://www.yusunghotel.com/>
 - Later, let me give you information for registrations.



Thank you.

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