

BELLE II Collaborative

Services & Tools (B2CS) @ DESY

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23rd B2GM EB
03 Feb 2016, KEK

Introduction

- > Collaborative services and tools are **essential** for (HEP) experiments
- > As the result of a fruitful discussion initiated by Hara-san and Th. Kuhr, the BELLE II Computing Steering Group (**B2CSG**) decided yesterday to propose to **migrate** all B2CS into an existing IT infrastructure outside KEK
- > The migration must be finished before the KEK summer shutdown
- > It was pointed out that a risk assessment for the migration plan is needed soon
- > B2CSG discussed a proposal to include the B2CS into the **DESY** IT infrastructure



Collaborative Services and Tools @ DESY

- > The **DESY IT infrastructure** contains all necessary services and tools to include B2CS
- > **DESY user registry:** Membership services
- > **Content Mgmt System:** Public and internal web pages (belle2.org)
- > **Confluence:** Wiki
- > **Zimbra mail / Sympa:** Mail and mailing list services
- > **JIRA:** issue tracking
- > **Indico:** Meeting organization (indico.desy.de)
- > **DESY library:** Document / authorship management
- > **Virtual machines:** Build service, code repositories
- > **Oracle:** Databases (oracle.desy.de)



B2CS @ DESY: Arguments and Issues

- > The DESY IT infrastructure is build to be **reliable** and highly **available** and has been providing **sustainable** services for many scientific groups such as CFEL and EXFEL as well as for HEP
- > It includes **fail-over** mechanisms, **back-up** and **archiving** options for all services
- > As for all scientific sites, **security** is major issue at DESY, it includes regular software **updates** and dedicated **firewall** rules
- > Replication of **data** and **services** can be implemented
- > The BELLE II members will **register** with DESY by way of Grid User **certificates**; as a back-up paper-based registration is possible



- > **Time** is short until the KEK shutdown in summer!
- > Additional **manpower** of 1–2 FTE is needed and 1 FTE will be hired for this task
- > As suggested by B2CSG, the feasibility of migrating services such as *Twiki* into *Confluence* will be investigated asap
- > As a back-up a 1-to-1 copy of existing services into virtual machines (VM) will be considered (temporary solution if time is too short!)

- > Further steps:
 - Migration of **web** pages (public and internal)
 - Migration of *Twiki* (see above)
 - Enabling *Indico*
 - Successive **registration** of the BELLE II users (from April 1st on)
 - The migration of the domain '**belle2.org**' is the ultimate step!

