

BELLE II Collaborative

Services & Tools (B2CS) @ DESY

[Andreas Gellrich](#)
Carsten Niebuhr
Peter van der Reest
DESY IT

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Introduction

- > Collaborative services and tools are **essential** for (HEP) experiments
- > Hara-san and Th. Kuhr initiated a discussion on collaboration services for BELLE II (**B2CS**) some months ago with a list of potential services
- > **Moving** B2CS away from KEK became an issue
- > Fruitful **discussions** with KEK, Torino/INFN and DESY followed
- > **Two options:**
 - an almost 1-to-1 **copy** of the services to virtual host outside KEK
 - Setting up or including B2CS in an **IT infrastructure** outside KEK



Overview: Collaborative Services and Tools

- > list of Hara-san and Th. Kuhr (re-grouped)
- > Membership service (authentication, authorization)
- > Public and internal web pages (domain: 'belle2.org')
- > Wiki / Log book
- > Mail and mailing list service
- > Document / authorship management
- > Build service, issue tracking, code repositories
- > Meeting organization

- > Video / Audio → SeeVogh / eZuce
- > Databases



Collaborative Services and Tools @ DESY

- > The **DESY IT infrastructure** contains all necessary services and tools and could 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**
- > It has already 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
- > DESY applies regular software **updates**
- > Access through the **firewall** is only allowed for dedicated ports and services

- > Services run on systems with default **back-ups**, using TSM
- > Replication of **data** could be implemented
- > Replication of **services** with write access would need to be discussed



B2CS @ DESY: Arguments and Issues (cnt'd)

- > **Membership** management requires accounts/credentials
- > Those accounts would be handled by the DESY User Registry
- > **Replication** of IDs is possible
- > We have in place a Grid user **certificate** based registration which allows for secure and unique identification of users (via VOMS)
- > A **standard** paper-based registration procedure is possible for non-Grid users
- > The DESY **library** manages already documents and authorships
- > We would need additional **manpower** 1–2 FTE; negotiations would be started
- > **Time** is short until the KEK shutdown in summer!



- > We are looking forward to the decision of the BELLE II collaboration
- > Technical discussions with Hara-san would start asap
- > Hara-san and Th. Kuhr would be the very first to gain access to DESY
- > Migrating web pages and enabling Confluence, Indico, and JIRA is next
- > BELLE II users could successively register in parallel
- > Migrating the domain 'belle2.org' would be the ultimate step

