Indico@DESY

History

- Implementation
- First steps with Indico

Status

- System architecture
- Statistics
- Service

Vistas

- Prospects at DESY
- Resume

Implementation at DESY:

- First test implementation of Indico v.0.8.7 (Oct. 2005).

- First official conference „HASYLAB Users' Meeting", 296 registrants (Jan. 2006).

- First lection (May 2006).

- Productive service (since June 2006).

- Indico 0.92.1 (since May 2007).

- First Indico user meeting at DESY (6. July 2007).

- Implementation of a central database server (August 2007)

- Search for Indico pages with DESY search engine (September 2007)

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Status:

Hardware

- **2x Application Server**

  SuperMicro server (32-Bit)
    - Hardware-RAID Level-1
    - 2 x 73 GB SCSI HDD
    - 2 x 560W power supply
    - Intel Xeon Dual Core Processor 2.8GHz
    - 2 GB RAM

- **Testsystem**

  Desktop system (32-Bit)
    - 73 GB SCSI HDD
    - Intel Pentrium 4 3.0GHz
    - 512 MB RAM

- **Database Server**

  SuperMicro server (32-Bit)
    - 2 x Hardware-RAID Level-1
    - 4 x 73 GB SCSI HDD
      - 2x System
      - 2x Data
    - 2 x 560W power supply
    - Intel Xeon Dual Core Processor 3.0GHz
    - 4 GB RAM

Status:

Software and operating system:

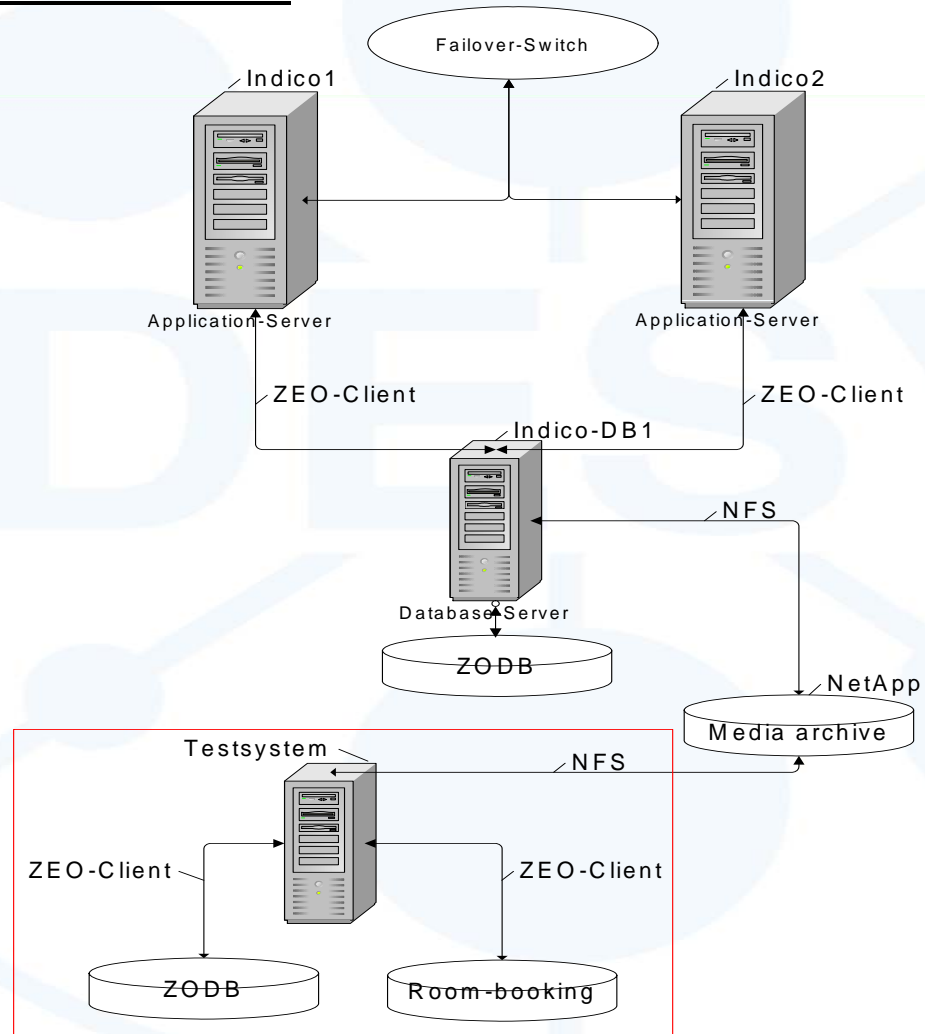- **SL4 (RHEL4)**   *-> Testsystem: SLD5 (RHEL5)*

    - Apache 2.0.52

    - ZODB 3.3.2   *->Testsystem: ZODB 3.4.3*

    - Indico 0.92.1   *->Testsystem: cvs_0.94.0-patch*

    - Python 2-2.3.4   *-> Testsystem Python 2.4*

    - mod_Python 3.1.3

    - PIL 1.1.5

    - Reportlab 2.0

Storage and Security:

- **Data storage**
    - Media archive → Netapp via NFS-mount
      → (Future: connect via iSCSI)

    - Database (ZODB) → Central database server
      → (Future: db copy in our SAN via iSCSI)

- **Backup (TSM)**

- **Failover switch (F5)**

- **Nagios**
    - Ping, HTTP-POL, Storage monitoring

- **S**ecure **S**ocket **L**ayer

Status:

Indico system architecture:

Status:

Statistik :

Users und Events:

- ca. 1000-1500 Server requests / Day

	2006	2007	2008	Total
Registered User	60	290	347	697
Events	71	324	333	735

Registrants and Conferences:

Conferences	Registrants
Terrascale MC School (2008)	101
HASYLAB Users' Meeting (2008)	456
LCWS (2007)	605
HEPIX (Spring 2007)	102
HASYLAB Users' Meeting (2006)	296

Indico Service:

What we provide:

- Support for conference managers and users.
- Training.
- Documentation.
- System administration und updates.
- System monitoring 24/7

How we try to support the Indico developers:

- Feedback from our users and our experiences.
- Reports from testing new features and modules.

General benefit from Indico:

- No time gets lost for scripting, framework and layout.

- Quick recognition of the layout and navigation.

- Central data storage of all conference data.

- To build an event on Indico costs you less than 30 minutes.

- All presentation data gets centrally stored before the presentation.

- No USB-Sticks and Laptops needed.

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Improvements on Indico:

- More interfaces to office tools

- More system monitoring tools for the system administrators.

- Single sign on over Kerberos

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Prospects:

Prospective plans at DESY:

- Hot Standby ZODB in DESY SAN.

- Indico Server with SLD5 → (64-Bit).

- Single sign on for Indico via Kerberos / AD.

- Electronically Payment.

- To provide advanced lections.

- Tests and concepts to use Indico as DESY´s conference room booking system.

Resume:

- Indico is a very useful tool to organize and manage Conferences.

- To work first time with Indico, users need to be supported locally.

- More interfaces to office tools for an easier management would be nice.

- Thanks to the developers for this great system and the quick support's.

Thanks for your attention

Questions …?