

Lenya at the University Medical Center Freiburg

A Field Report

The University Medical Center Freiburg

- 7,700 Employees
- 1800 Beds
- 110 Wards
- 54,000 Inpatient Admissions Annually
- 300,000 Patient visits per year in the outpatient clinics.
- No. 3 in Germany

www.uniklinik-freiburg.de

- Lenya 1.2.4 running with build in Jetty on a Linux Server 2 CPU 4 GB Ram.
- 8,300 Pages
- 130 Publications
- 240 Editors

Before Lenya

- A Cocoon 2 based Website for the central Information and some organisations.
- A LAMP Server with WEB-DAV access for the other organisations and users.
- No corporate design, every division has its own design.

The Commision

- In March 2005 the Medical Center Board wanted an new website with a corporate design based on a modern software technology.
- They commisioned us to develop a new conzept until Oktober 2005.

The CMS Selection

- Since we were familiar with Cocoon and happy with the useful SOC- concept, we were on look out for a Cocoon based CMS.
- We tested Apache Lenya and a CMS from the Mac Millian Group.
- We decided to use Lenya.

Why Lenya ?

- Open Source (Costs and the Chance to do our own modifications).
- The possibility to use our own schemas with validation. A big point to enforce the new corporate design.
- Browser based editors.
- A CMS evaluation at the MIT and an artikel in the Comuterwoche supported our desission.

Presentation of the Concept

- The concept was widely accepted by the management.
- A global corporate design was the most important point for them.
- Every division is liable for the content they provide..
- The launch for the new website should be on the 1 April 2006.

Setting Up

- Extensions of the the System with tags to include local data (Ldap ..) to launch from November.
- Preperation of the courses from November to Dezember.
- Classes from end of Dezember to the middle of march.
- Successful launch at the 3. April.

Consulting

- Andreas Hartmann, (consulting) becom
Michel Wechner, (cforms integration) wyona
Christian Egli (consulting) wyona
- Christian Stocker (BXE consulting)
- Sandra Gubler (Training) Uni Zürich

Local Extensions

doctype.xmap:

```
<map:match pattern="*/*/*/**.xml">
  <map:generate src="content/{2}/{4}.xml" label="gen"/>
  <map:transform src="xslt/ukfprefix.xsl" label="prefix"/>
  <map:transform type="cinclude" label="cinclude"/>
  <map:transform src="xslt/ukfsuffix.xsl" label="suffix"/>
  <map:transform src="xslt/{3}2xhtml.xsl" label="last">
    <map:parameter name="rendertype".../>
    <map:parameter name="nodeid"... />
    <map:parameter name="language".../>
  </map:transform>
  <map:serialize type="xml"/>
</map:match>
```

ukfprefix.xsl

```
<xsl:template match="xhtml:ukfbabies[@art='baby']">
  <xhtml:ukfbabies art="baby">
    <cininclude:include
      src="http://skl14d.ukl.uni-freiburg.de/baby/galerie?
        modus=1&
        geburtsnummer={$nr}&
        ausgabeart=xml" />
  </xhtml:ukfbabies>
</xsl:template>
```

```
<xsl:template match="@*|node()" priority="-1">
  <xsl:copy>
    <xsl:apply-templates select="@*|node()" />
  </xsl:copy>
</xsl:template>
```

ukfsuffix.xsl

```
<xsl:template match="xhtml:ukfbabies[@art='baby']//Baby">
  <table>
    <tr>
      <td>
        
      </td>
      <td valign="top" width="225" >
        <b><xsl:value-of select="name"/></b>
        <xsl:value-of select="text"/>)
        Geburtstag: <xsl:value-of select="geburtsdatum"/> <br/>
        Geburtszeit: <xsl:value-of select="geburtszeit"/> <br/>cd
        Geburtsgewicht: <xsl:value-of select="gewicht"/>g <br/>
        Größe: <xsl:value-of select="groesse"/>cm
          <xsl:value-of select="grusstext"/>
          <xsl:value-of select="grusstext2"/><br/>
        </td>
      </tr>
    </table>
    <h4><a href="/{$galerie}.html">Zurück zu allen B..</a></h4>
  </xsl:template>
```

ukfbabies.rng

```
<grammar xmlns="http://relaxng.org/ns/structure/1.0">
<define name="ukfbabies">
  <element name="ukfbabies">
    <ref name="ukfbabies.attlist"/>
  </element>
</define>

<define name="ukfbabies.attlist">
  <attribute name="art">
    <ref name="Text.datatype"/>
  </attribute>
  <optional>
    <attribute name="anztage">
      <ref name="Text.datatype"/>
    </attribute>
  </optional>
</define>

<define name="Inline.class" combine="choice">
  <ref name="ukfbabies"/>
</define>
```

Curses

- 2 x ½ Day session
- Introduction in xhtml
- Onform Editor
- BXE
- CMS staff
-
- Conceptual Help from
Sandra Gubler, Uni Zürich

Experiences CMS

- Quite well,
- Users ask for:
- publishing or deactivating subtrees.
- Attachment linking should be easier. (In Lenya 2.0 it's much better)

Experiences Oneform Editor

- Quite well,
- Problems are:
- „Lost of the source“ at errors
- Location of errors
- Line numbers missing
- Comments not possible

Experiences BXE

- Not so easy as word but with some practice usable.
- You have to know the workround for some problems.
- A great tool to enforce the Corporate Design.

After the Launch

- Nearly every division uses the CMS for their website.
- Very few divisions tried to have different sites.
- Some people criticised the Layout. (I think that's normal)
- Performance was good.
- Memory leak and seldom problems with the usermanagement, so we restart every night.

Today

- **Every** division uses the CMS for their website.
- Intranet CMS with 37 active publications. (An offer from us, nobody is forced to use it.)
- We are looking forward to Lenya 2.0
- Many thanks to the community for this great product.