

# Page Envelope

Initial version

by Christian Egli, Gregor J. Rothfuss, Andreas Hartmann

---

NOTICE:

---

*Proposal for a standard Page envelope which carries all the crucial information to be handed down the pipeline and to the client.*

## 1. Introduction

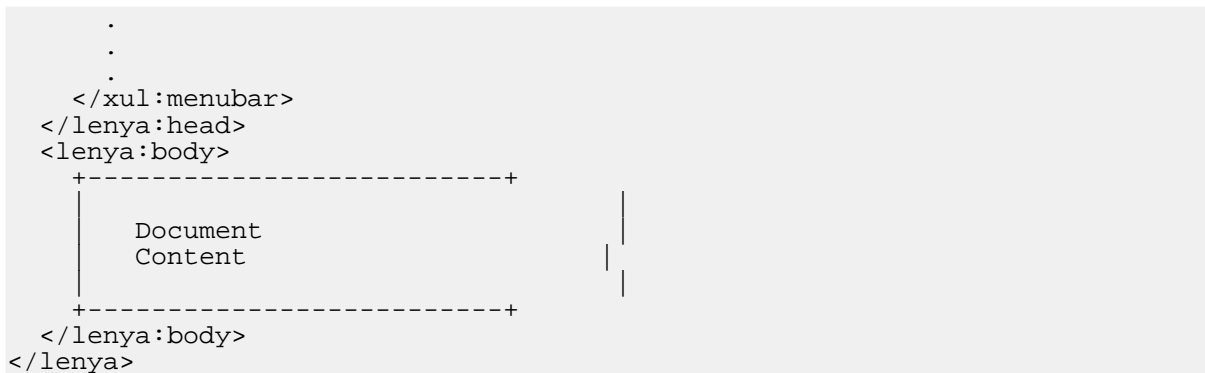
The Lenya CMS needs to pass arguments (user, time, context, etc.) to the subcomponents in the sitemap or to further invocations of itself in one session. Currently there is a mix of multiple mechanisms to achieve this. We want to standardize this across Lenya.

One possible solution is to use a so-called "Page Envelope" which wraps all XML documents with some meta information that contains a standard set of arguments which are then passed to the subcomponents through the Cocoon pipelines and could possibly be attached to the session to keep this information across client round trips.

## 2. Proposal

A possible solution could look as follows:

```
<lenya:envelope>
  <lenya:head>
    <lenya:user>foo</lenya:user>
    <lenya:date>2003-2-11</lenya:date>
    <lenya:publication>sample</lenya:publication>
    .
    .
    .
  <xul:menubar id="sample-menubar">
```



### 3. Current Parameters

Currently, the following variables are defined within Lenya (see `<xsp-lenya:util/>`):

- context
- request\_uri
- sitemap\_uri
- current\_username
- no\_username\_yet
- no\_session\_yet
- server\_time
- context\_prefix
- referer
- no\_referer

### 4. The Java API

The Java API of the page envelope consists of the following classes:

**org.apache.lenya.cms.publication.PageEnvelope**

An object of this class represents a page envelope.

**org.apache.lenya.cms.cocoon.actng.PageEnvelopeAction**

This action makes the page envelope attributes available as sitemap parameters.

### 5. TODO

The proposal is currently not much more than an idea. It needs to be properly thought out in regards to the following problems:

- The idea works ok as long as the Page Envelope is handed down one pipeline. What happens with call-resource invocations?

## *Page Envelope*

- What happens with client roundtrips? How is the Page Envelope made persistent? Does it need to be?

© 200 wyona.org