Xopus

0.1 Documentation

by Lenya community

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1. About Xopus

Xopus is a browser based validating in-place wysiwyg XML editor. It uses Javascript, XML Schema and XSLT. At this time, it only works on Internet Explorer. If you need a cross-platform solution, take a look at BXE. Note that Xopus is not open source, but a commerical product by Q42.

2. Demo

There is an online XOPUS demo available. You need Internet Explorer 5.5 or newer to view the demo.

3. Configuration

Lenya is expecting an *@XOPUS:CONTEXT@* (e.g. Xopus-2.1.66) directory within your *@XOPUS:PATH@* (e.g. *webapps/ROOT*) directory. *@XOPUS:CONTEXT@* and *@XOPUS:PATH@* are configured within your *local.build.properties* (xopus.context resp. xopus.path). The path is relative to *usecase.xmap*.

4. Saving via POST

To enable saving via POST, one needs to modify `$XOPUS/xopusPlugins/datadriver.js` as follows

```
    // Save data START
    alert('Save XML via POST');
    var result = Application.sendXML(doc, 'POST', name);

    switch (result.status)
    {
      case 200:
        //OK
        var resultXML = result.responseXML;
        alert('XML saved');
        return;
      case -1:
        alert('Error while saving ' + name + ':\n\n' + result.responseText);
        break;
      default:
        alert('Server responded not ok while saving ' + name + ':\n\nstatus:' + result.status +
'\nmessage: ' + resul
t.responseText);
    }
    // Save data END
```

You may change the text of the alerts by something else.

5. Exit Xopus

To exit Xopus one needs to modify `$XOPUS/xopusPlugins/cmsdriver.js` as follows

```
  getExitURL: function(path)
  {
    exitURL = path.substring(0, path.indexOf('?'));
    alert('Exit to: ' + exitURL);
    return exitURL;
  },
```

You may replace the text of the alert by something else.

6. Making a page editable with Xopus: Schemas, Views (XSLT) and Menus

Xopus needs an XML Schema for validation and an XSLT to view the document. The Schemas and XSLTs need to be located at:

```
$PUBLICATION/config/doctypes/schemas/$DOCTYPE.xsd
$PUBLICATION/lenya/xslt/xopus/$DOCTYPE.xsl
```

You might want to use Trang to generate XML Schemas.

Editing with Xopus is implemented as a usecase. One can add a menu item as follows:

```
<item uc:usecase="xopus" uc:step="open" href="?doctype=$DOCTYPE">Edit with Xopus</item>
```

In addition, you may want to study the oscom publication which has an Xopus integration example, as well as the root xopus.xmap, the xopus.xmap in the oscom publication, and the section in usecase.xmap pertaining to xopus. This will help you understand how the integration was done (which admittedly is a bit clunky as it predates many Lenya concepts).