SynopsX
a Lightweight XQuery Based
XML Publishing Framework

● SynopsX relies on the BaseX philosophy: your data live in the XML world? XML technologies provide anything you need!

General Solution Strategy
● Use established industry standards
● Leverage consistent, uniform technology stack

XML Technologies
W3C XML
W3C XForms
W3C XML Schemata
W3C XQuery
W3C XSLT
W3C XSLT Full-Text
W3C XML Full-Text
... use them!

● SynopsX rests on BaseX tools: an XML database, a high performance XQuery processor and a web server

database
XQuery processor
web server
my nice webservice
my nice client
yet another webservice
http://simplexeit.com
http://dofeps.org
http://www.xslol.com

● Please visit our web applications built with SynopsX:
editions.ihpc.huma-num.fr

Various approaches have been proposed to publish TEI corpora online, but no standard software solution has emerged yet. Publication of marked up texts is still a difficult issue for many projects in Digital humanities.

SynopsX is a lightweight framework which aims at easily publishing and exposing XML corpora. It is a full XQuery web application built on top of the native XML database BaseX (baseX.org).

Thanks to BaseX implementation of RESTXQ, SynopsX allows full control on the URL scheme to build real REST applications and can be used to expose XML corpora as Linked Open Data. Our software comes with a templating system for various renderings of XML resources (TEI, EAD...) according to predefined or customized mappings from XML data to output formats (HTML 5, json, OAI...)

Use SynopsX in just 3 steps
1. Write your webservice's URLs and link them to queries and templates
2. Use our default queries or write your own if needed
3. Use our default XHTML templates or write your own if needed

Download SynopsX, hack it, code it with us!
https://github.com/synopsx/synopsx
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