

AT4AM Open

Overview

- History
- Goals & Features
- Challenges
- Practical
- Open source
- Q&A

Introduction

- 'Change'
- Working title
- A few words of warning
- Why?

History

- Successful projects
 - Trying to increase the scope
 - “XML format is 15 years away”
- Exchanging information is hard
 - Doubly so in European institutions
- Open source
-

Our goals

Goals

- Fast & correct
- To improve transparency, advance and unite
- Automated & fast
- Based on modern open standards
- Cross platform & cross-browser
- Turnkey solution

What do we want?

Features

- Display proposals
- Based on Akoma Ntoso (EP)
- Amendment drafting support
- Web application
- Open & extensible

Display

- Render source text
 - Perhaps transformation for IE
- Styling via CSS
- Fast

Akoma Ntoso

- Source file and amendments
- Standard
- Problem: complexity
 - Anything even resembling an XML editor is unlikely to be used by end users
- Collaboration & tools

Amending

- Amendment display, injection, creation and listing
- Modification, creation, deletion, moving & bundle
- Text, image, table, formula, ...
- Diff-ing

Web

- Web application
- Familiarity for end users
- Distribution & security
- Tooling
- Browser support
 - All browsers

Open

- A chance to give something back
- Collaboration
- Transparency & security
- Control?
- Adventure

Wait a second ...

Challenges

- Time and resources
- Scope
- APIs are hard
 - Especially without knowledge
- Multiple actors involved
 - But if the users/voters/clients are happy ...

So ...

What now?

Today

- 5 months, 2 developers
- Starting from scratch
- But with tons of experience
- 99% focus on Editor initially
- However, we only know the EP
 - So ...

We want YOU ...

Input

- Workflow
- Diff-ing
- Amendment layout
- Amendment references
- Authors: free, multiple, on behalf of ...
- Anything else you're allowed to share

Technology stack

- Client: GWT (UI-Binder, Gin, EventBus)
- TinyMCE? CKEditor? Custom?
- Back-end: Java web application
 - API (Spring)
 - Protocol (GWT-RPC, REST, ...)
- Open backend: PostgreSQL, Cassandra, ...

Approach

- Akoma Ntoso schema (EP-version)
 - Generation from XSD
 - 300 elements
 - Focus on 'XML' amendment
 - More extension freedom
- Java <-> XML library

Adoption

- Note: from a technical POV
 - ‘Used at the EP’ might carry some weight
- Libraries for Java, C#, Python, Ruby, ...
 - De/serializing
- Transformation to HTML, Word, PDF, ...
 - Even localized solutions already help

Community

- Hosted on Github
 - Repository
 - Issue tracking
 - Wiki and Pages
- Meritocracy
- Speak out

Q&A

Thank you

Editor Questions

- Multiple languages/documents?
- Offline support?
- Collaboration?
- Re-use of amendments?
- Versioning?
- Encryption/signing?

XML Questions

- Consolidation?
- Indicating amendable parts?
- Visibility rules within a document?

Questions

- Confidentiality?
- Data mining?
- RDF store?
- Analytics?
- Dashboard?
- Exchange?