oXygen plugins

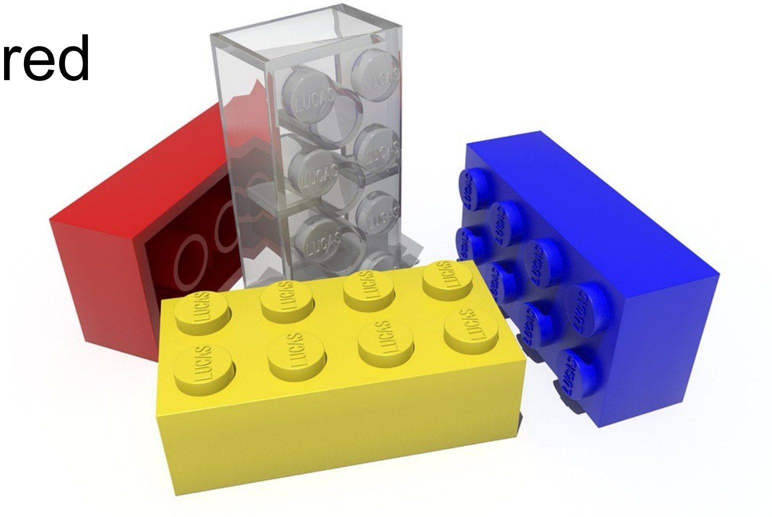
Alex Jitianu
alex_jitianu@oxygenxml.com

Agenda

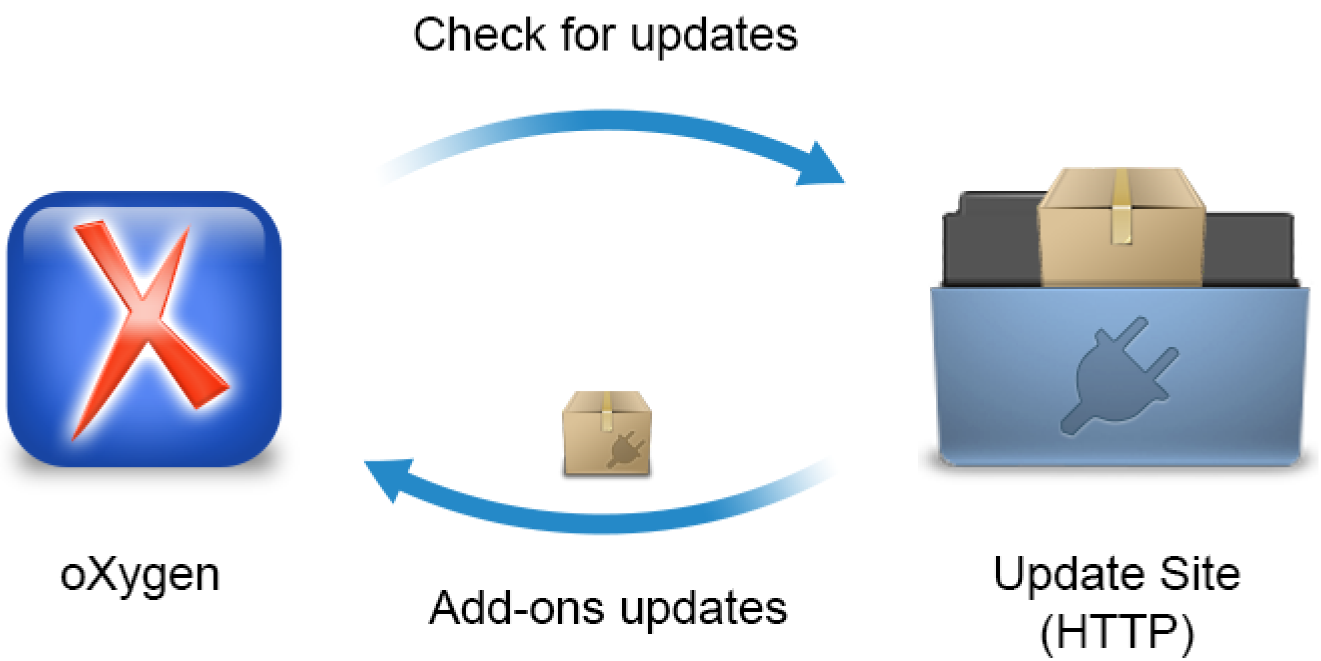
- Why are plugins important?
- Our plugins [Git, XSpec]
    - https://github.com/oxygenxml/
- Community plugins

Why plugins?

- Why should the community create plugins:
  - Independence from Oxygen feature-schedule and timeline
  - Deep use-case knowledge required
- Why should we create plugins:
  - Faster release cycles
  - Shorter feedback loop
  - Encourage contributions



Deploy as Add-ons



Check for updates

oXygen

Add-ons updates

Update Site
(HTTP)

Git plugin

- Why? There are already good clients available!
  - They are outside oXygen
  - Switching context is annoying
  - You use mostly common actions like: Commit, Push, Pull
  - Oxygen’s great Diff tool
  - https://github.com/oxygenxml/oxygen-git-plugin

Git plugin

- Why? There are already good clients available!
  - They are outside oXygen
  - Switching context a lot is annoying
  - You use mostly common actions like: Commit, Push, Pull
  - https://github.com/oxygenxml/oxygen-git-plugin
- What to do next?
  - Branch management
  - User Experience

XSpec

- Unit test and BDD (Behaviour Driven Development) framework for XSLT / XQuery
  - https://github.com/xspec/xspec/
- A new version was just released: **1.0.0**
- **Oxygen plugin**
  - https://github.com/xspec/oXygen-XML-editor-xspec-support

Unit testing

XSLT Development

DocBook Completeness Check

- Checks not covered by validation
  - Broken links
  - Missing images
  - Profiling attributes conflicts

https://github.com/oxygenxml/oxygen-docbook-validate-check-completeness

Translation Package Builder

- Why?
- Translation costs

1500 words x 0.12$ per word = **180$**

- Translation memories help:

1500 = 550 no match + 450 fuzzy match + 500 total match

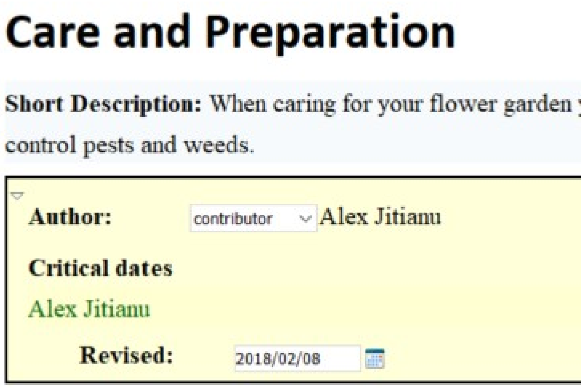
550 x 0.12$ = 66$ (no match)
450 x 0.09$ = 40.50$ (fuzzy match)
500 x 0.06$ = 30$ (total match)

The total: **136.50$**

https://github.com/oxygenxml/oxygen-dita-translation-package-builder

DITA Prolog Updater

- Automatic add meta data into the document:
  - Author
  - Contributor
  - Created/Revised dates



Care and Preparation

Short Description: When caring for your flower garden control pests and weeds.

Author: contributor Alex Jitianu

Critical dates

Alex Jitianu

Revised: 2018/02/08

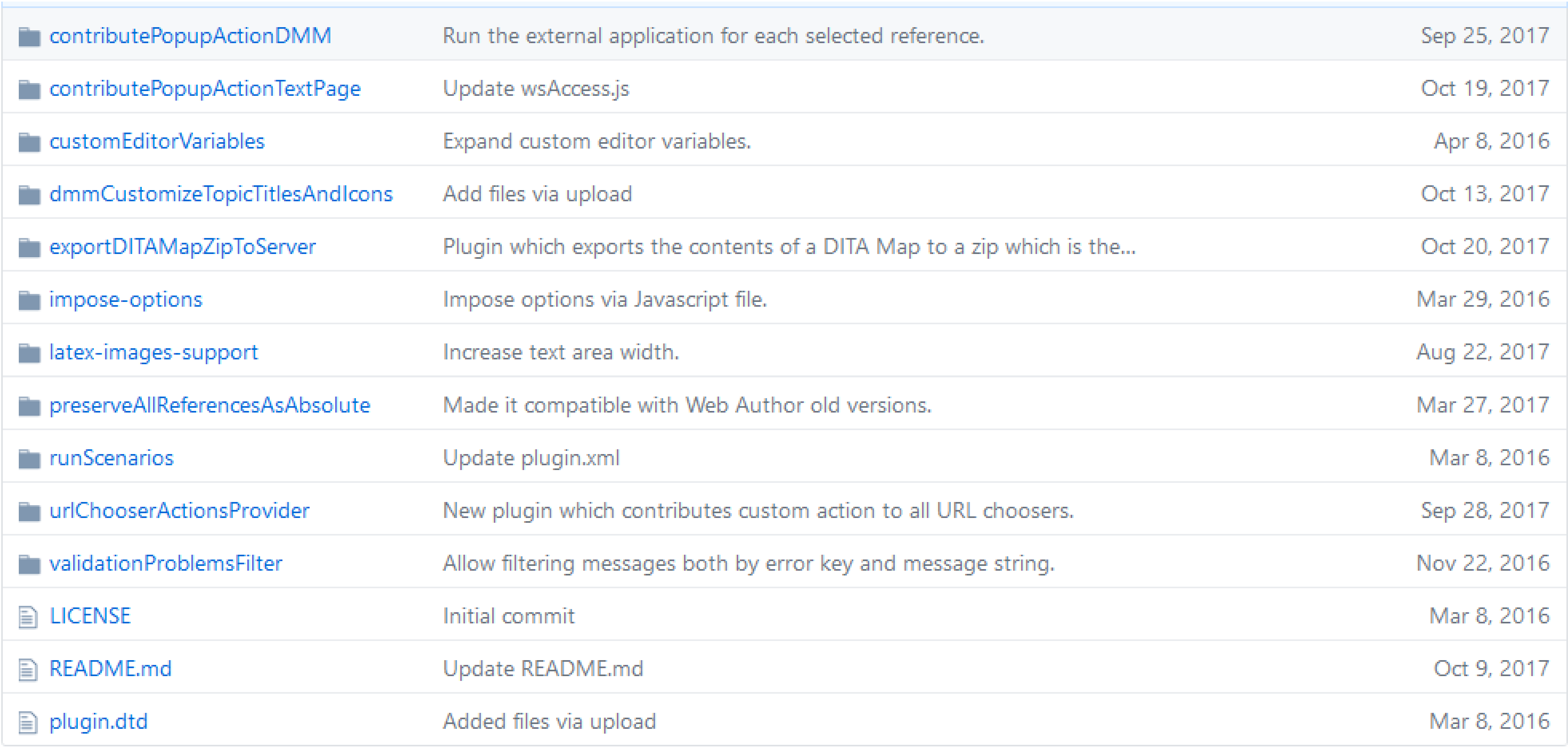
- Same ideas can be applied to other document types

https://github.com/oxygenxml/oxygen-dita-prolog-updater

Javascript-based plugins

- Javascript instead of Java

https://github.com/oxygenxml/wsaccess-javascript-sample-plugins



contributePopupActionDMM	Run the external application for each selected reference.	Sep 25, 2017
contributePopupActionTextPage	Update wsAccess.js	Oct 19, 2017
customEditorVariables	Expand custom editor variables.	Apr 8, 2016
dmmCustomizeTopicTitlesAndIcons	Add files via upload	Oct 13, 2017
exportDITAMapZipToServer	Plugin which exports the contents of a DITA Map to a zip which is the...	Oct 20, 2017
impose-options	Impose options via Javascript file.	Mar 29, 2016
latex-images-support	Increase text area width.	Aug 22, 2017
preserveAllReferencesAsAbsolute	Made it compatible with Web Author old versions.	Mar 27, 2017
runScenarios	Update plugin.xml	Mar 8, 2016
urlChooserActionsProvider	New plugin which contributes custom action to all URL choosers.	Sep 28, 2017
validationProblemsFilter	Allow filtering messages both by error key and message string.	Nov 22, 2016
LICENSE	Initial commit	Mar 8, 2016
README.md	Update README.md	Oct 9, 2017
plugin.dtd	Added files via upload	Mar 8, 2016

Saxon 9.x plugins

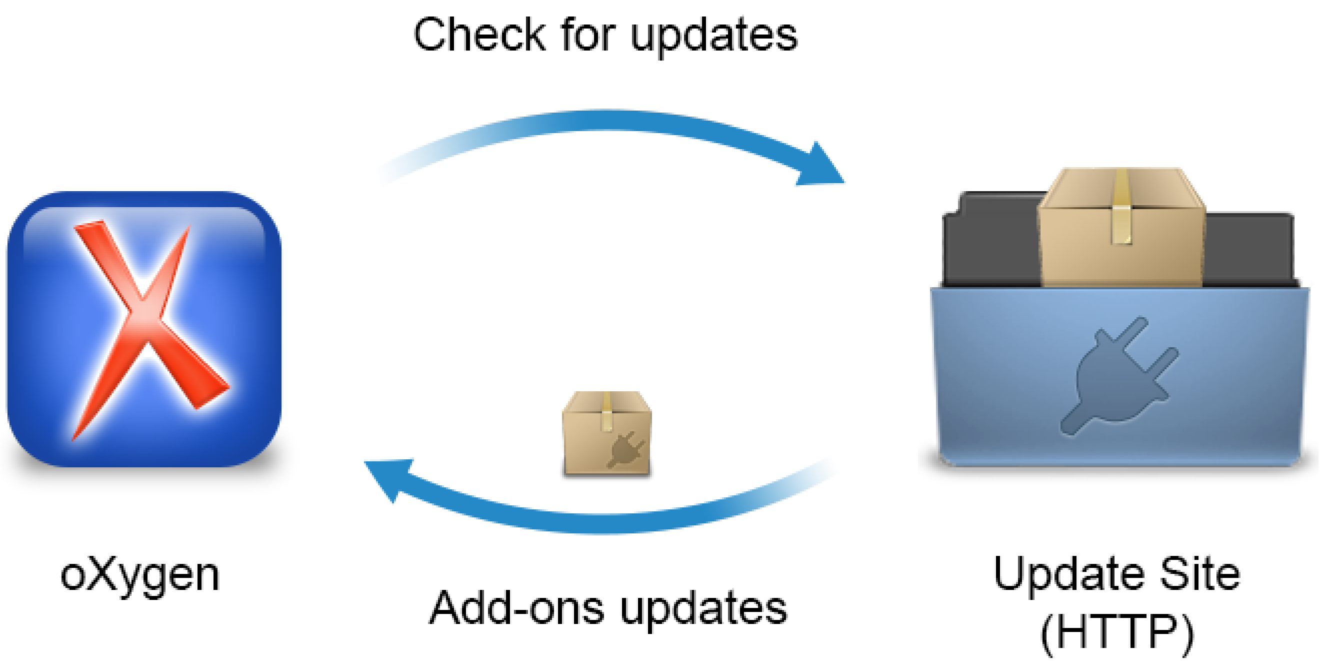
- Saxon 9.6
- Saxon 9.7
- Saxon 9.8

https://www.oxygenxml.com/InstData/Addons/default/updateSite.xml

Community

https://www.oxygenxml.com/oxygen_sdk/community.html

Deploy as Add-ons



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Third-party plugins

- Argon Author
  - http://argon-author.com/
- OpenDocs
  - http://nkutsche.com/2015/09/15/opendocs-oxygen-plugin/
- Delta XML Oxygen Adaptor
  - https://www.deltaxml.com/products/plugins/oxygen-plugin-usage
- TEI [Query remote authority]
  - TEI Authorizer
    - https://github.com/BCDH/TEI-Authorizer
  - NameDropper
    - https://github.com/emory-libraries-ecds/namedropper-oxygen
- Others
    - http://blog.oxygenxml.com/2014/11/public-hosted-oxygen-plugin-and.html

Thank you!

Alex Jitianu
alex_jitianu@oxygenxml.com
@AlexJitianu

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