

Working with projects

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Why projects?



What do you need when you work?

- Access to specific resources
 - to be able to open them
 - to be able to perform some actions on a set of those files
- Settings specific to working with those files
 - formatting and indenting settings
 - specific words added to the dictionary for those files
 - etc.
- Switch between different tasks
 - remember and restore the context you were on for each task

oxygen projects

oxygen projects solve

- task switching overhead - remember and restore the editing context consisting of:
 - the files that were open when you worked in that project
 - editing mode (Text, Grid, Author) and caret position for the last edited file
 - layout information (available views, editors, toolbars and their location)
- control/share settings relevant to a set of files
 - almost all preference pages allow to store their settings at the project level
 - transformation scenarios can be stored at project level
- access to resources
 - organized in logical folders containing links to files or real folders
 - contextual actions that act on the current selection of project resources

oxygen project file

Project information is stored in *.xpr XML files, containing:

- pointers to resources
- project options
- project transformation scenarios

Context information is stored by oxygen as information associated with the project file

The Project view

Your main interface with the projects support:

- allows you to create new projects or switch between projects
- gives you access the project structure allowing you add/remove/organize the project resources
- provide access to contextual actions



Demo 0 - the Project view

Where is the Project view?

Show how resources can be organized

Contextual actions

Project settings

Reopen recent projects



Switch between tasks

oxygen keeps track and restores context information which is associated to a project:

- opened files

 - (Can be disabled from Options->Preferences – Global – Open last edited files from project)

- editing page

- caret position

- layout changes

 - (Optional, can be enabled from Options->Preferences – Application Layout – Remember layout changes for each project)

Demo 1 – switch between projects

See how changing between projects restores the editing context

Enabling the option

“Remember layout changes for each project”
remembers and restores layout for each project

Project specific options

Available on almost any option page

A screenshot of a radio button selection interface. It shows two radio buttons: "Global Options" (unselected) and "Project Options" (selected). An information icon is visible to the right of the "Project Options" label.

Global Options Project Options ⓘ

Only the options different from defaults will be stored within the project .xpr file

Use-cases for project options

- Different options for different projects
- Share settings between users
- Project specific layouts
- Customized authoring experience

Demo 2 – control options per project

Set different formatting options for different projects and notice:

- default formatting options applied for projects that do not have project specific formatting
- different formatting options enforced for projects that have project specific formatting



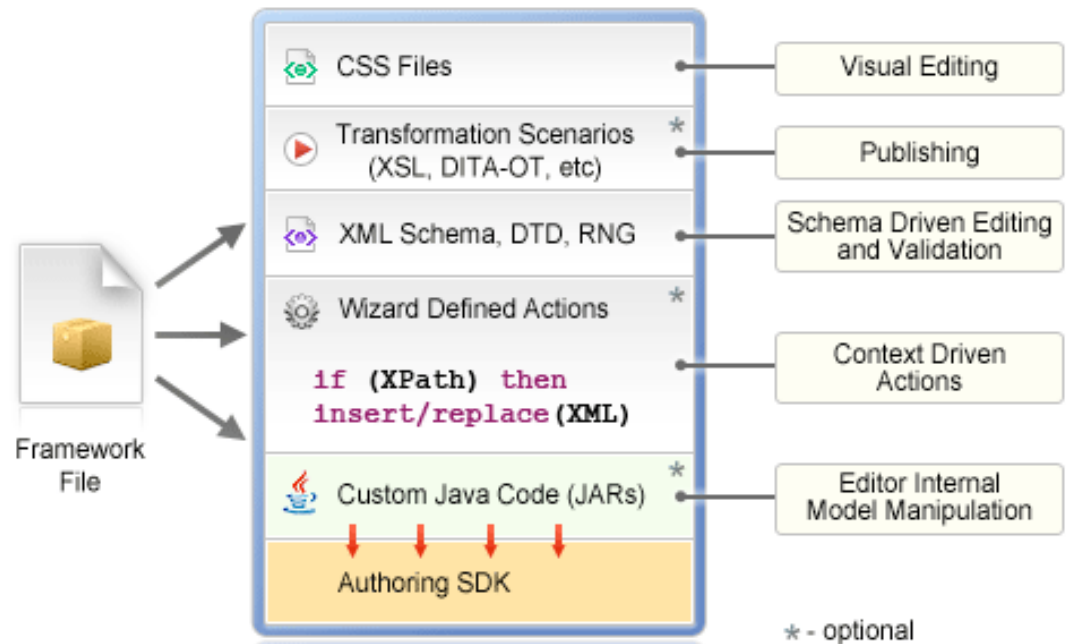
Demo 3 – project specific layout

Options->Preferences – Application Layout

Select application layout

- ✓ Custom: `${pd}/layout/simple.layout`
(sample3.xpr – DITA authoring layout)
- ✓ Custom: `${pd}/layout/test.layout`
(test3.xpr – Review focused layout)

oxygen frameworks





Demo 4 – customize the AX

Customize DITA authoring experience

Options->Preferences – Document Type Association

Set “Project Options”

Extend DITA framework and

- make the hints.css active all the time
- add a validation unit for project specific rules

See these two changes in action

Customize DocBook 5 authoring experience

Options->Preferences – Document Type Association – Locations

Set “Project Options”

Add “`/${pd}/frameworks`” location

Extend the DocBook 5 framework and save it in the frameworks/customizedDB folder then

- add redTitles.css as alternate CSS file
- remove B/I/U actions from toolbar

See the changes in action

Project Transformations

Transformation scenarios are stored by default within the project *.xpr file



Demo 5 – project transformations

Create project transformations and show they are available only for that project

- sample5.xpr contains a transformation scenario called “personal”
- test5.xpr does not contain this transformation scenario

Project-aware actions

Some actions can act on

- All project files

- Selected project resources

Examples:

- XPath
- Find/replace
- XML Refactoring



Batch actions

Available from the Project contextual menu

- Find/replace in files
- XPath in files
- Check spelling in files
- Format and indent files
- Transform
- Validate

Demo 6 – XPath execution on a set of files

Find all the titles of selected topics:

- Select XPath execution scope to “Selected project resources”
- Execute the XPath “//title” on different selections



Demo 7 – batch actions

Batch validation of selected files

- validate flowers folder

Find/replace in files (to fix validation issues)

- replace “Xperennial” with “perennial”
- replace “p2” as element name with “p”

Master files

Master files help you when you work with modules which need context for editing and validation

- Detect master files
- Special master files folder and actions in the Project view

Refactoring

- Update references on
 - Rename
 - Move
- XML Refactoring
 - Trigger refactoring actions defined around XSLT and XQuery update scripts



Demo 8 – master files and refactoring

Show master file support for XSLT editing

- sample8.xpr has no master file support, error on \$debug variable in the person.xsl module
- test8.xpr enables the master file support, no error

Show how renaming an XSLT file updates its references

- rename “person.xsl” and see the preview of changes



Demo 9 – a real project

See the oXygen XML user guide project, also available at

<http://github.com/oxygenxml/userguide>

Options->Preferences, see all project specific pages, marked with (P):

- Document Type Association for DITA customization
- Profiling/Conditional Text for project specific deliverables
- Colors and styles for rendering profiled content
- Spell Check and Dictionaries to control spell checking
- Format and XML for controlling formatting, indenting, whitespace handling
- XML Catalog
- FO Processors for defining XEP configuration
- DITA for setting DITA-OT 2.x as the default DITA-OT
- Open/Find resources to control what will be indexed by the Lucene-based search

Transformation scenatios

Questions?

Thank you!

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