

The multimedia support in <oXygen/>

Sorin Carbunaru

sorin_carbunaru@oxygenxml.com

schematron
Structured
editing
XML
review
XQuery
Publish
PDF
IDREFS
WebDAV
DTD DocBook
oXygen
authoring
XML Editor
XSD SCH XSD Single
XPR RNCFO Source
frameworks
Profiling
WSDL
styles
visual
WebHelp
DITA
TEI
XSL
PHP
Ant
Js
JS
KML
XSLT
SVN
JSON
SVG
WebDAV
DocBook
Single
Database
XHTML R
Chan
Collab
Web

Outline

- Audio and Video
- Animated / Interactive SVGs
- Multimedia Form Controls
- Image Maps

Audio and Video

- Easily ***Insert Media*** in DITA (18.1), DocBook and (X)HTML (19.0).
- Quickly embed YouTube or Vimeo video clips in DITA.
- Play the media objects in the Author page and in all HTML5-based outputs, including WebHelp systems.

Animated / Interactive SVGs

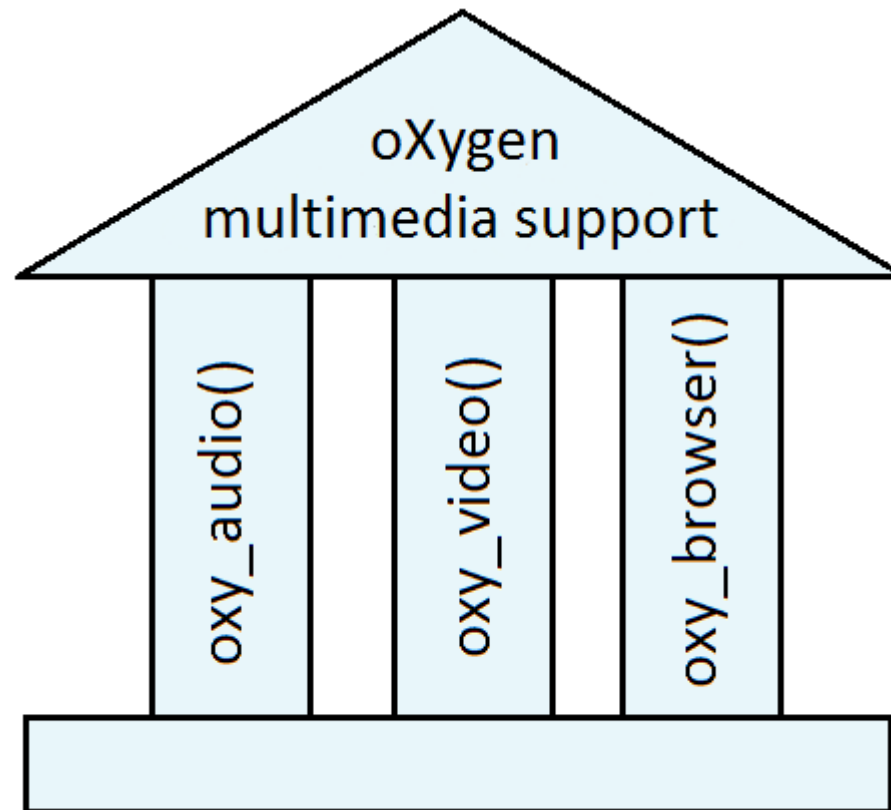
In the Author page you can:

- Render animated SVG drawings.
- Interact with SVGs, if applicable.

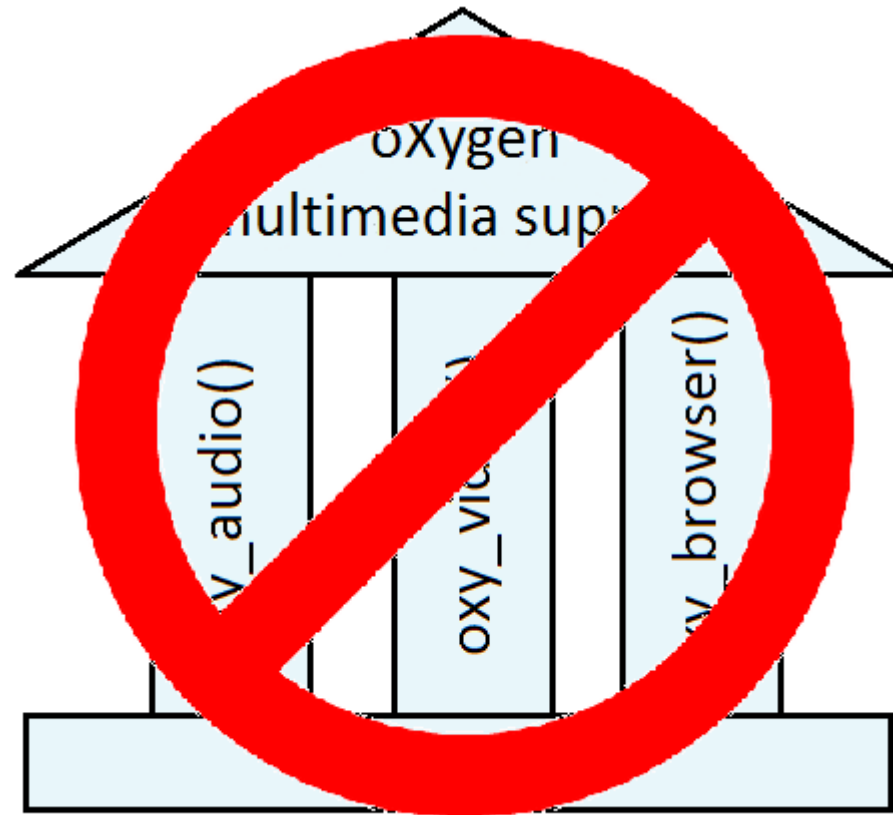
Multimedia form controls

- Form controls (rendered using CSS functions) represent the foundation upon which the multimedia support has been built in <oXygen/>.
- The three pillars sustaining the multimedia support are:
 1. oxy_audio()
 2. oxy_video()
 3. oxy_browser()

Multimedia form controls



Multimedia form controls



Multimedia form controls



Multimedia form controls

- Anyone can use these form controls in their XML documents (+ CSS), including you.



Multimedia form controls

Audio

```
<audio href="relative/path/to/audio.mp3"/>
audio:before {
  content:
    oxy_audio(
      href, oxy_url(oxy_base-uri(), attr(href)),
      width, 500px
    );
}
```

Video

```
<video href="http://www.videos.com/video_file.mp4"/>
video:before {
  content:
    oxy_video(
      href, attr(href),
      width, 800px,
      height, 600px
    );
}
```

Browser

```
<browser href="relative/path/to/dynamic_svg.svg"/>
browser:before {
  content:
    oxy_browser(
      href, oxy_url(oxy_base-uri(), attr(href)),
      width, 300px,
      height, 300px
    );
}
```

Multimedia form controls

Audio

```
<audio href="relative/path/to/audio.mp3"/>
audio:before {
  content:
    oxy_audio(
      href, oxy_url(oxy_base-uri(), attr(href)),
      width, 500px
    );
}
```

Video

```
<video href="http://www.videos.com/video_file.mp4"/>
video:before {
  content:
    oxy_video(
      href, attr(href),
      width, 800px,
      height, 600px
    );
}
```

Browser

Better in 19.0

```
<browser href="relative/path/to/dynamic_svg.svg"/>
browser:before {
  content:
    oxy_browser(
      href, oxy_url(oxy_base-uri(), attr(href)),
      width, 300px,
      height, 300px
    );
}
```

Image Maps in <oXygen/>

- See the “big picture” and easily access the modules.
- Add hyperlinks in various areas within an image without having to divide it into separate image files.
- Create and edit image maps using the ***Image Map Editor***.
- Support available in DITA, DocBook, TEI and XHTML.
- Publish image maps to WebHelp or XHTML.

Image Maps in <oXygen/> Use Cases

Complex mechanism

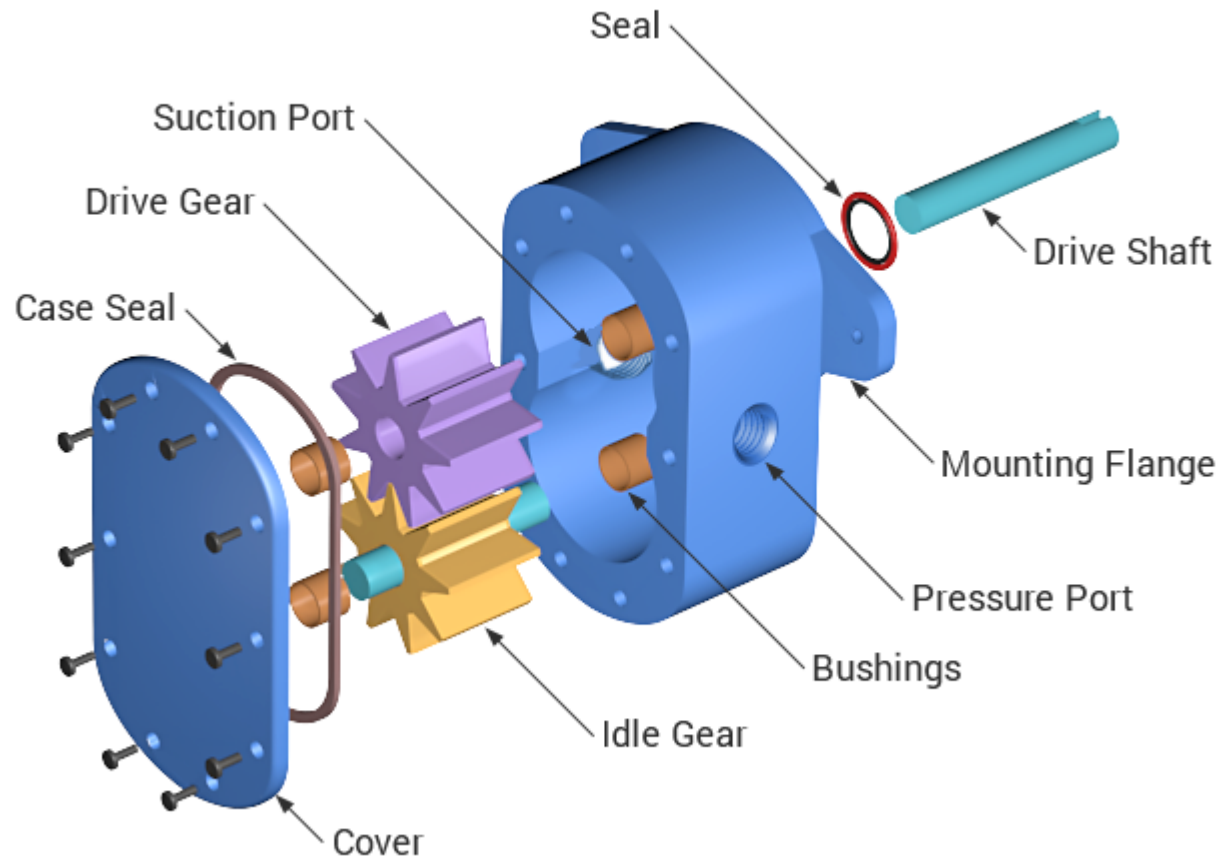
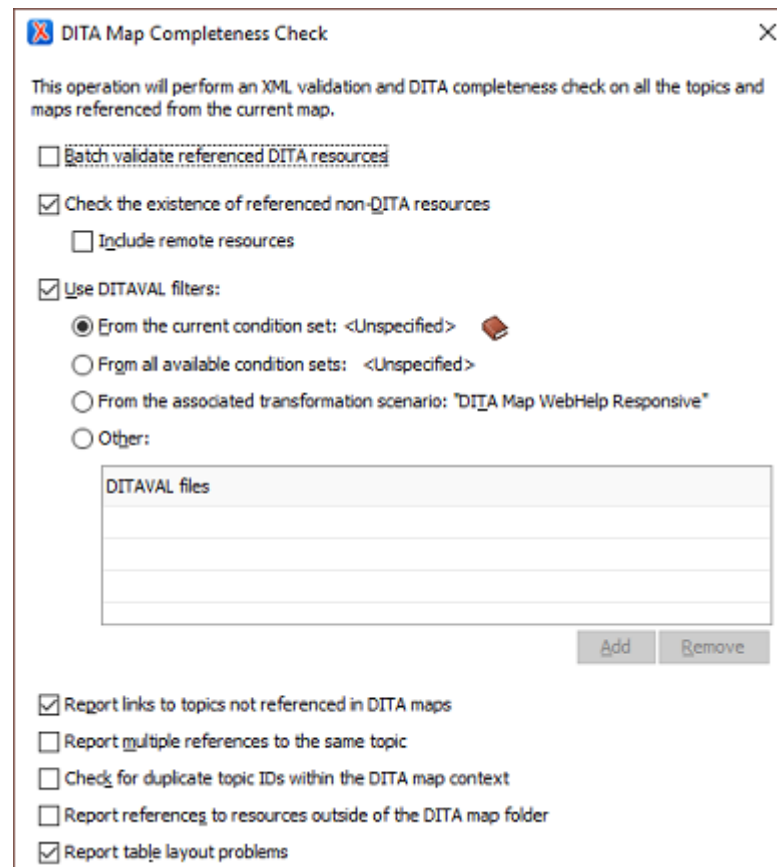


Image Maps in <oXygen/> Use Cases

User interface



DITA Map Completeness Check [X]


This operation will perform an XML validation and DITA completeness check on all the topics and maps referenced from the current map.

☐ Batch validate referenced DITA resources

☒ Check the existence of referenced non-DITA resources

☐ Include remote resources

☒ Use DITAVAL filters:

☒ From the current condition set: <Unspecified> 

☐ From all available condition sets: <Unspecified>

☐ From the associated transformation scenario: "DITA Map WebHelp Responsive"

☐ Other:

DITAVAL files

☒ Report links to topics not referenced in DITA maps

☐ Report multiple references to the same topic

☐ Check for duplicate topic IDs within the DITA map context

☐ Report references to resources outside of the DITA map folder

☒ Report table layout problems

Image Maps in <oXygen/> Use Cases

Step-by-step process

Oxygen SDK
Creating a Startup Project from the Eclipse IDE

Install Eclipse IDE



Configure Maven



Create Java project

Thank you!

Questions?

<oXygen/> XML Editor
<http://www.oxygenxml.com>
sorin_carbunaru@oxygenxml.com