USING A MIX OF CSS AND XPATH TO PUBLIC PRODUCE HIGH QUALITY PDF OUTPUT

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Agenda

- XPath in CSS rules:
 - The oxy_xpath() function
- Non-standard pseudo-elements:
 - :before(n) and :after(n)
- Production use-cases:
 - Display additional metadata
 - Customize displayed text
 - Add/Remove watermark



Introduction - The power of XPath

Can point to any location in an XML document

Can create and use variables, loops and/or conditions

Can post-process the query result



Introduction - The power of XPath in CSS

Use the oxy_xpath() function

- Match using the DITA classes
 - With the XPath contains() function

Apply on the merged.html file



Introduction - The :before(n) and :after(n) CSS pseudo-elements

Allow multiple levels of static content

- Higher the level, bigger the distance between the element and the pseudo-element.
- First level correspond to the original :before or :after

See: <u>Using the :before(n) and :after(n) CSS Pseudo-Elements</u>



Add metadata into the Cover Page

- Create additional blocks
 - Relative to an existing element
 - Multiple before/after pseudo-elements

- Insert the content inside those blocks
 - With the XPath text() function



Add metadata into the Cover Page

What if the query has multiple results?

- Use a 'for' loop to process each result
 - Use a 'let' instruction to store the results

See: XQuery FLWOR Expressions



Add metadata into Margins

Define custom page-margin boxes

See: Page Margin Boxes



Add custom text based on Language

- Use an 'if' instruction
 - With an attribute from the document (@lang)

```
@page chapter {
    @bottom-right {
       content: oxy_xpath("if (@lang='de') then 'Seite' \
            else if (@lang='es') then 'Página' \
            else 'Page'") " " counter(page);
    }
}
```



Add a Watermark

Define a @page CSS at-rule

Use the CSS background properties

- Use an 'if' instruction
 - With an existing/missing element

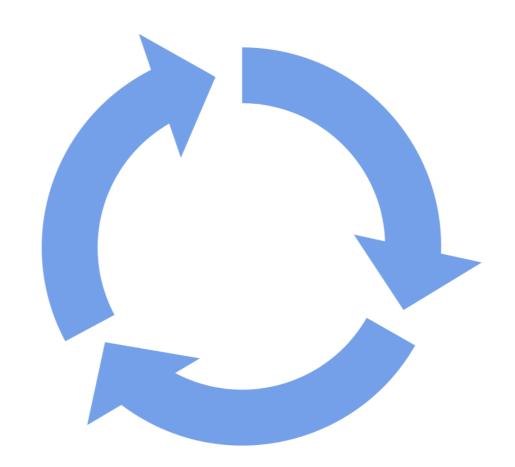


Conclusion

Reusable

Interactive

Dynamic





Useful Links

- How to Write XPath Expressions
- How to Debug XPath Expressions
- Page Headers and Footers
- Cover Page
- Draft Watermarks

THANK YOU!

Any questions?

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