



Oxygen PDF Chemistry

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<https://github.com/ctalau/>

Why CSS for print?

- More talent base for CSS vs XSLT
- Easier to customize
- Reuse design on Web and PDF => Brand consistency
- Proven publishing approach
 - Antenna House
 - Prince XML
 - PDF Reactor

Why Chemistry as a processor?

- Always free for Oxygen XML Editor users
- Uses Oxygen CSS extensions you already know: oxy_xpath, :before(n)
- Responsive support team



How YOU can use Chemistry

1. Publish PDF from HTML or Markdown
2. Use the DITA-OT plugin
3. For a new project start with the editing CSS and build up

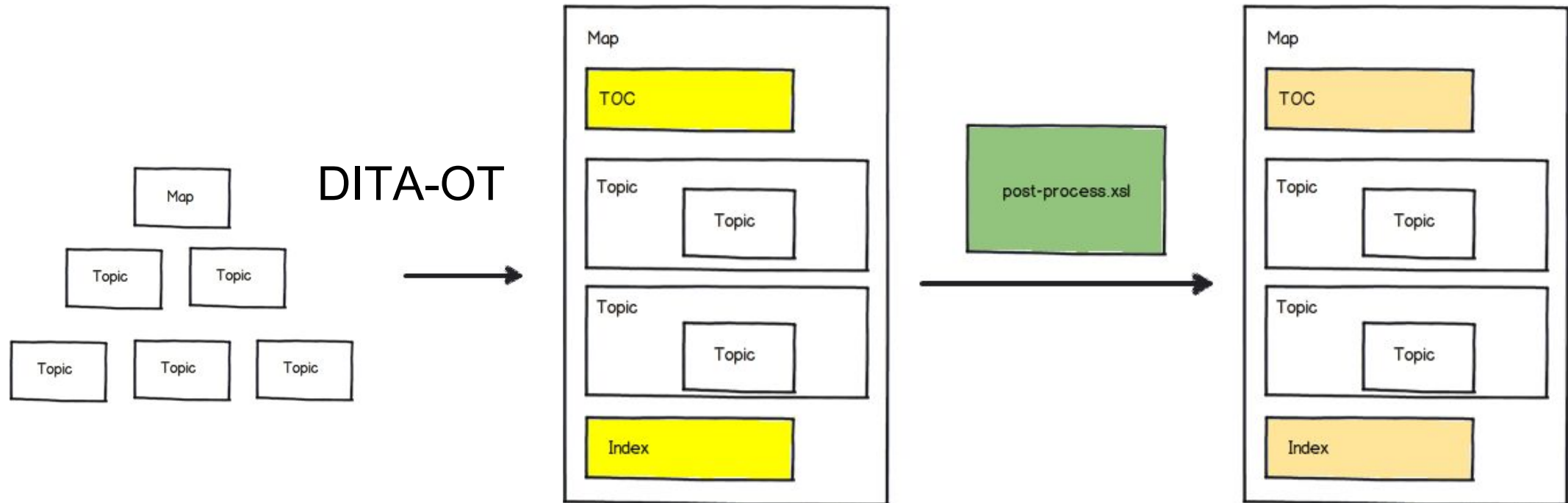
1. HTML / Markdown => PDF

- Chemistry has built-in HTML support
- Markdown -> HTML -> PDF

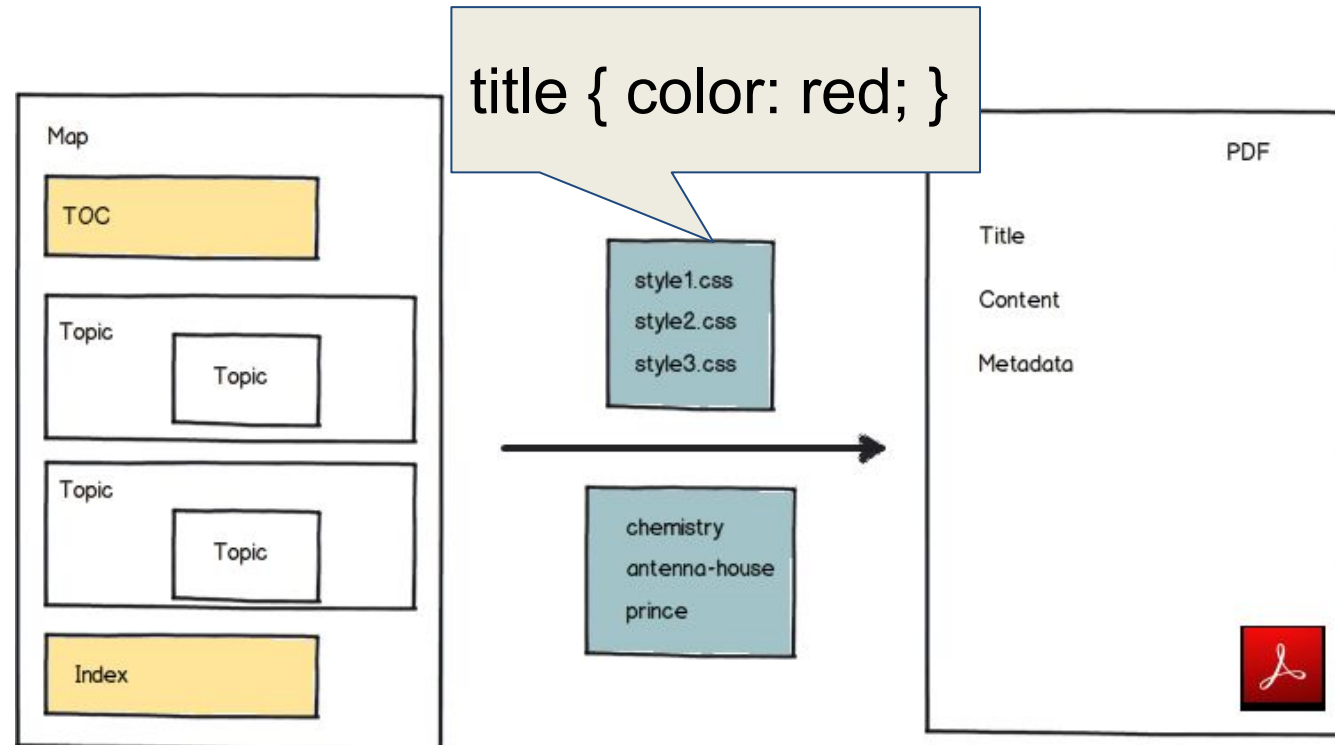
2. DITA publishing

- Built-in **Transformation Scenario**
- Based on DITA-OT
- Customizable using CSS

2. DITA publishing: architecture

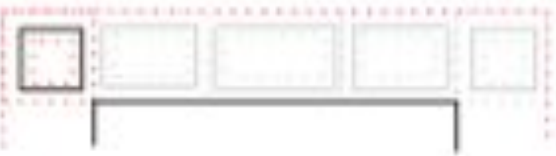



2. DITA publishing: architecture



2. DITA publishing: customization

Table 1. Page-Margin Box Definitions

Box	Description	Placement
top-left-corner	a fixed-size box defined by the intersection of the top and left margins of the page box	
top-left	a variable-width box filling the top page margin between the top-left-corner and top-center page-margin boxes	
	a variable-width box centered horizontally between	

2. DITA publishing: customization

- UserManual.merged.html

```
<td xmlns:dita-ot="http://dita-ot.sf.net/ns/201007/dita-ot"
  class="- topic/entry entry colsep-1 rowsep-1 valign-middle"
  colname="col2"
  dita-ot:x="2" dita-ot:y="2"
  valign="middle">a fixed-size box defined by the intersection
  of the top and left margins of the page box
</td>
```

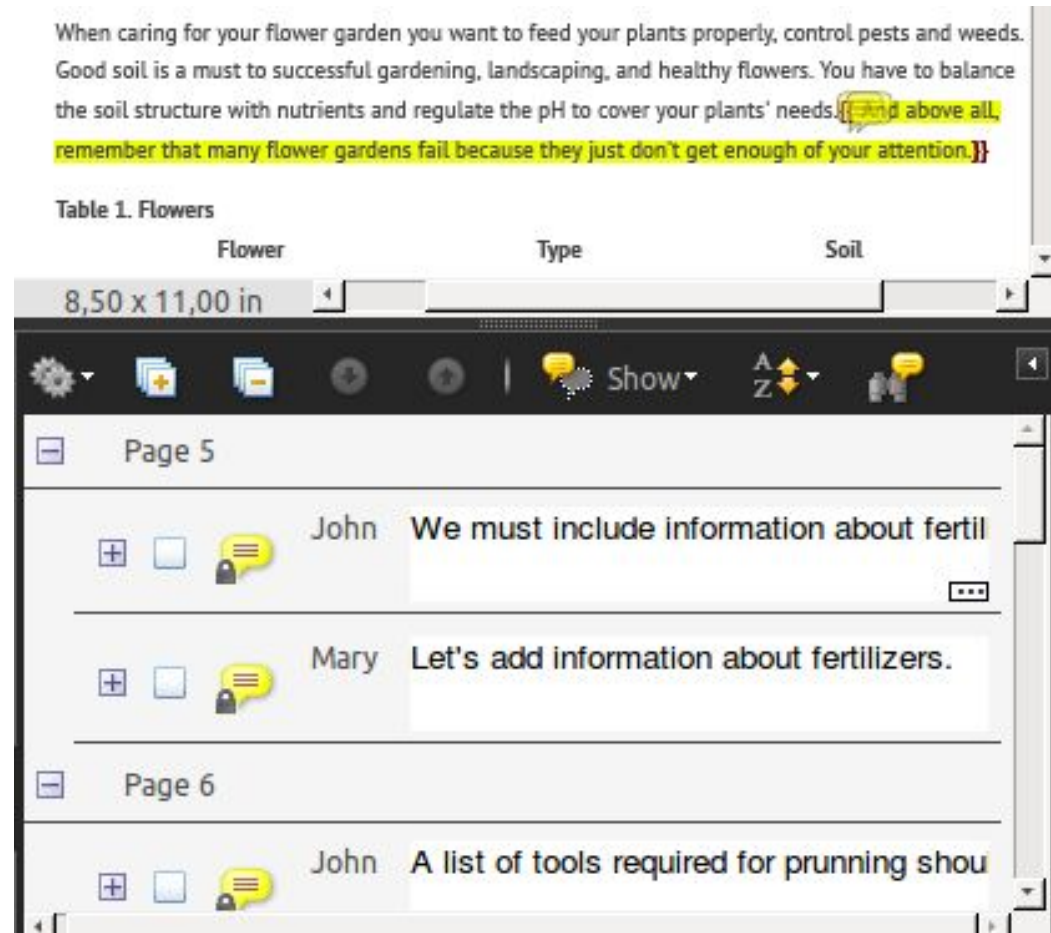
```
-----
*[class~="topic/entry"] { padding: 10px !important; }
```

2. DITA publishing: comments

When caring for your flower garden you want to feed your plants properly, control pests and weeds. Good soil is a must to successful gardening, landscaping, and healthy flowers. You have to balance the soil structure with nutrients and regulate the pH to cover your plants' needs. **And above all, remember that many flower gardens fail because they just don't get enough of your attention.}}**

Table 1. Flowers

Flower	Type	Soil



The screenshot shows the Oxygen XML Editor interface. At the top, a document window displays a paragraph about flower gardening with a yellow highlight and a comment icon. Below the document is a table with columns 'Flower', 'Type', and 'Soil'. The bottom part of the screenshot shows the 'Comments' panel, which is expanded to show three comments from users John and Mary. The first comment from John says 'We must include information about fertil'. The second comment from Mary says 'Let's add information about fertilizers.'. The third comment from John says 'A list of tools required for pruning shou'. The interface includes a toolbar with various icons and a 'Show' button.

3. Publishing for a new vocabulary

0. MVP - publish with the editing CSS
1. [TOC, Index page](#)
2. [Cover page, Copyright page, page format,](#)
3. [Columns, margin boxes, numbering](#)
4. [Footnotes](#)
5. Page breaks
6. Bookmarks
7. PDF Metadata

New features

- Deep linking
- Synthetic italic fonts
- -oxy-coumn-break-inside, -oxy-coumn-break-before, -oxy-coumn-break-after
- Images in page margin boxes

THANK YOU!

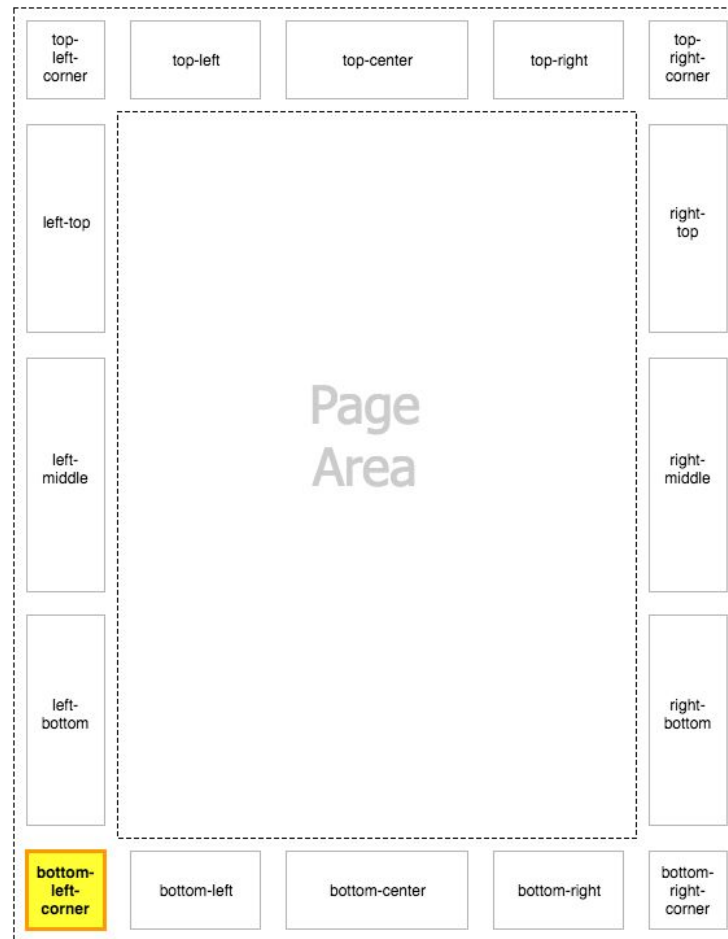
Any questions?

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Page margin boxes



Customizability

- Edit link for DITA
 - Result: <http://ctalau.github.io/userguide/UserManual.pdf>
 - Implementation: [xslfo.xsl](#)
- Edit link positioning
 - Before topic
 - After title
 - After topic
 - Change it to an icon
- <https://chemistry-playground.herokuapp.com/?gist=863c781cf63166e24bd8aa533a8a7b63>