

# Creating Custom Publishing Templates for WebHelp and PDF Output

Steven Higgs, Syncro Soft  
steven\_higgs@oxygenxml.com

schematron  
Structured  
editing  
XML  
review  
XQuery  
Publish  
PDF  
IDREFS  
WebDAV  
DTD  
DocBook  
oXygen  
authoring  
XML Editor  
XSD  
SCHXSD  
Single  
Source  
Database  
XHTML  
Cha  
Col  
Wa  
JS  
KML  
XSLT  
SVN  
JSON  
SVG  
XPRNCFO  
frameworks  
Profiling  
WSDL  
styles  
visual  
WebHelp  
DITA  
TEI  
XSL  
PHP  
Ant  
Js

# Agenda

- Introduction: What is an Oxygen Publishing Template
- Built-in Templates
- Template Package
- Creating a Custom Template
- Customizing the Output

# What is an Oxygen Publishing Template?

An Oxygen Publishing Template is used to define the layout and style for DITA-based **WebHelp** or **PDF** output. It is defined using a self-contained customization package stored as a ZIP archive or folder that can easily be shared with others.

Each template package contains a descriptor file (.opt) and various resources that define various aspects of the output.

# Benefits

- You can use built-in templates as a starting point for your own customizations.
- The custom template packages are easy to share with others.
- Custom template packages remain intact even when you upgrade Oxygen to a new version.
- A template can be easily integrated with a continuous integration publishing system.
- The same template package can contain both a WebHelp and PDF customization and you can reuse some of the resources.

# Customization Methods

- Add additional template resources (such as logos, favicons, or CSS files).
- Extend the default processing by using XSLT extensions or HTML Fragment extensions.
- Specify one or more transformation parameters.
- For **WebHelp** output, customize which components will be displayed and where they will be positioned in the page.
- For **PDF** output, customize various aspects with CSS styling.

# Built-in Templates

## Current Transformation Scenarios (Version 20.1)

- DITA Map WebHelp Responsive
- DITA Map WebHelp Responsive with Feedback
- DITA Map PDF – based on HTML5 & CSS

## Version 21.0 Addition

- DITA Map PDF – based on DITA & CSS (WYSIWYG)

# Publishing Template Package

## WebHelp

Descriptor File (.opt)

CSS File(s)

Resources (Images, JS, Fonts)

Transformation Parameters

XSLT Extension Points

HTML Fragment Extension Points

**\*\*\*HTML Page Layout Files**

## PDF

Descriptor File (.opt)

CSS File(s)

Resources (Images, Fonts)

Transformation Parameters

XSLT Extension Points

# Template Descriptor File

## Required

Name

At least 1 CSS File

WebHelp and/or PDF Element

## Optional

Description

Author

Tags

Preview Image

Online Preview Image

Resources

Transformation Parameters

HTML Fragment Extensions

XSLT Extensions

\*\*\*HTML Page Layout Files



# Resources

**WebHelp Responsive Publishing Template Package Contents in Oxygen User Guide:**

[https://oxygenxml.com/doc/ug-editor/topics/whr\\_publishing\\_template\\_contents.html](https://oxygenxml.com/doc/ug-editor/topics/whr_publishing_template_contents.html)

**Oxygen Publishing Template Samples on GitHub:**

<https://github.com/oxygenxml/oxygen-publishing-template-samples>

**PDF Publishing Templates Package Contents in Oxygen User Guide:**

[https://oxygenxml.com/doc/ug-editor/topics/pdf\\_publishing\\_template\\_contents.html](https://oxygenxml.com/doc/ug-editor/topics/pdf_publishing_template_contents.html)

**PDF Customization CSS section of Oxygen User Guide:**

[https://oxygenxml.com/doc/ug-editor/topics/dcpp\\_the\\_customization\\_css.html](https://oxygenxml.com/doc/ug-editor/topics/dcpp_the_customization_css.html)

# Upcoming Webinars

- Nov. 7**      **Creating Custom Oxygen Frameworks**
- Nov. 28**   **Creating Schematron Rules and Schematron Quick Fixes**
- Dec. 5**      **Setting up a Simple DITA Project**
- Dec. 12**    **Oxygen Productivity Tips and Tricks**

# Thank You!

[steven\\_higgs@oxygenxml.com](mailto:steven_higgs@oxygenxml.com)