From zero to DITA-OT hero

– a story of a DITA-OT implementation in a small documentation team

Justyna Hietala
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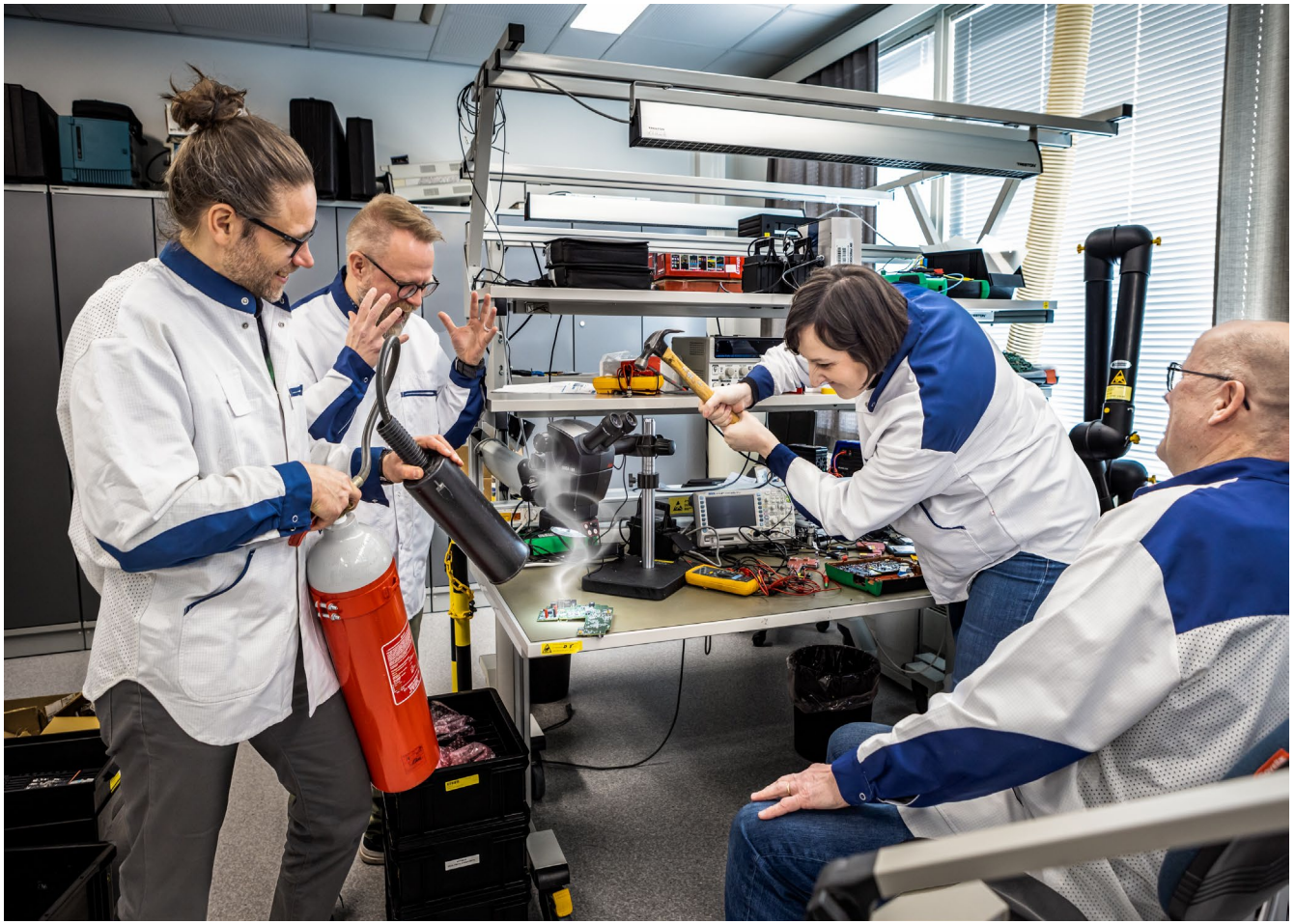
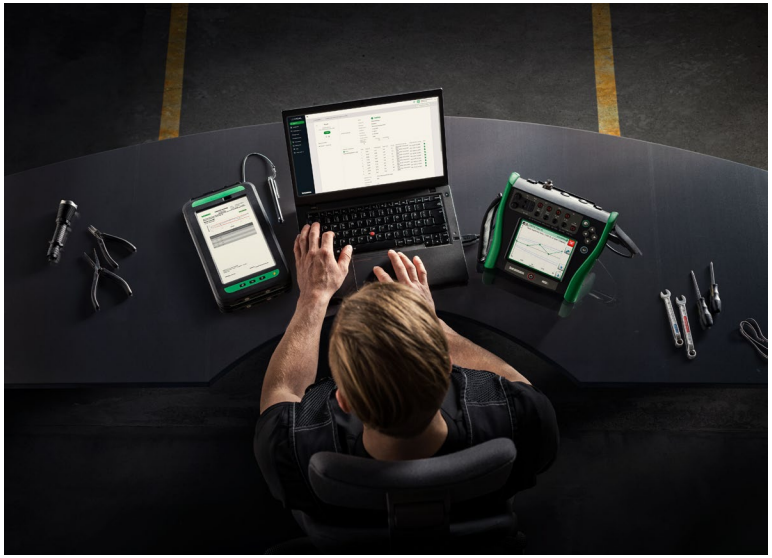
INTRODUCTION





beamex

THE BEGINNING

NO CMS???!!!

learningDITA by SCRIPTORIUM

3. Type the following command:

On Windows:

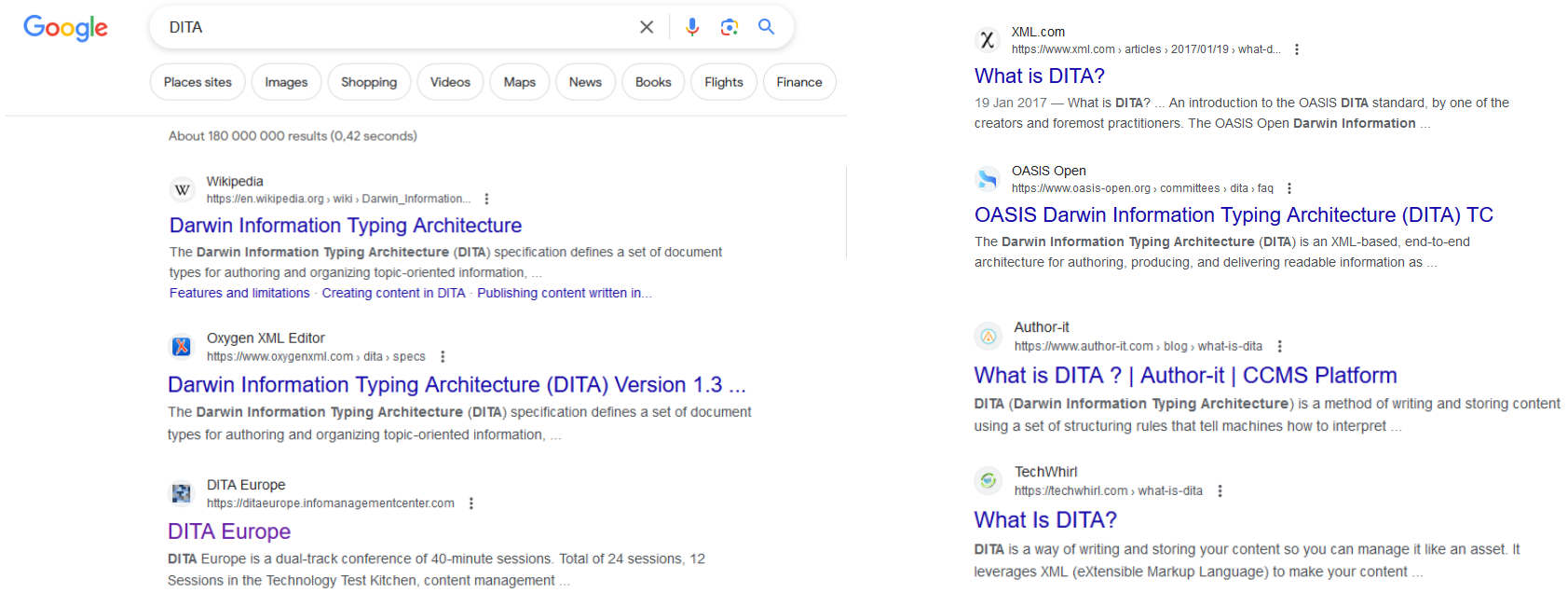
```
bin\dita -i [filepath]/sources/ducks
/m_ducks.ditamap -f pdf2 -o out/ducks_output -v
```

On Mac:

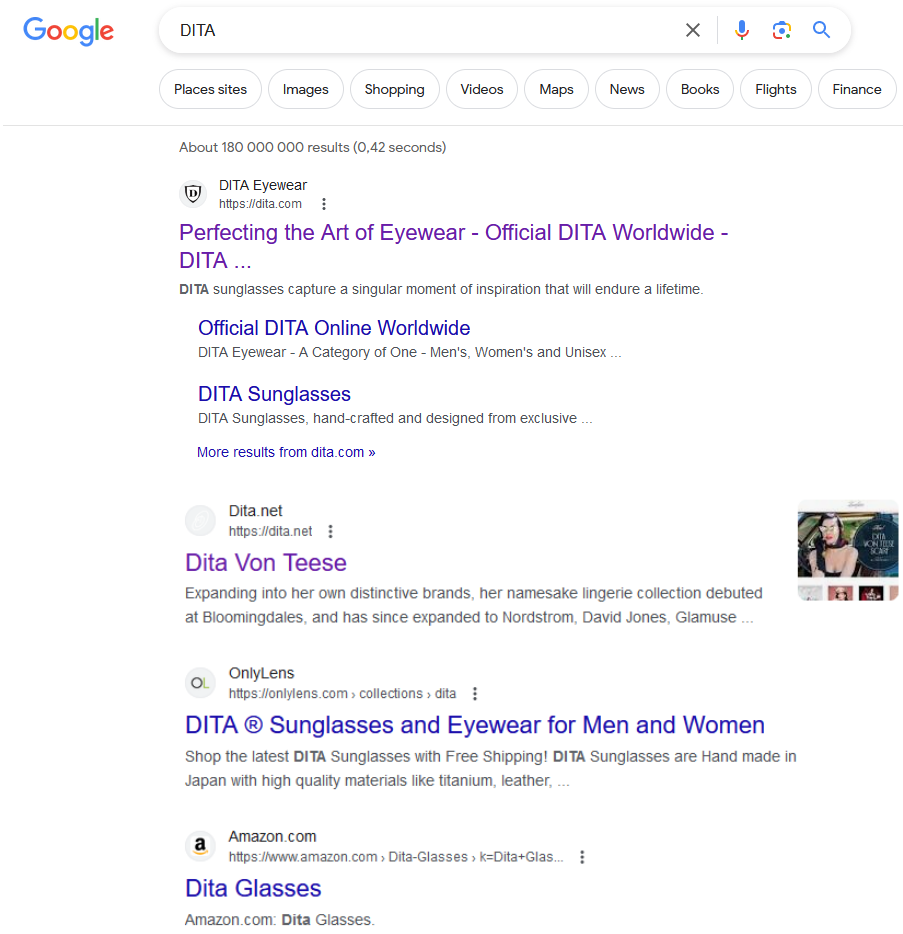
```
./bin/dita -i [filepath]/sources/ducks
/m_ducks.ditamap -f pdf2 -o out/ducks_output -v
```

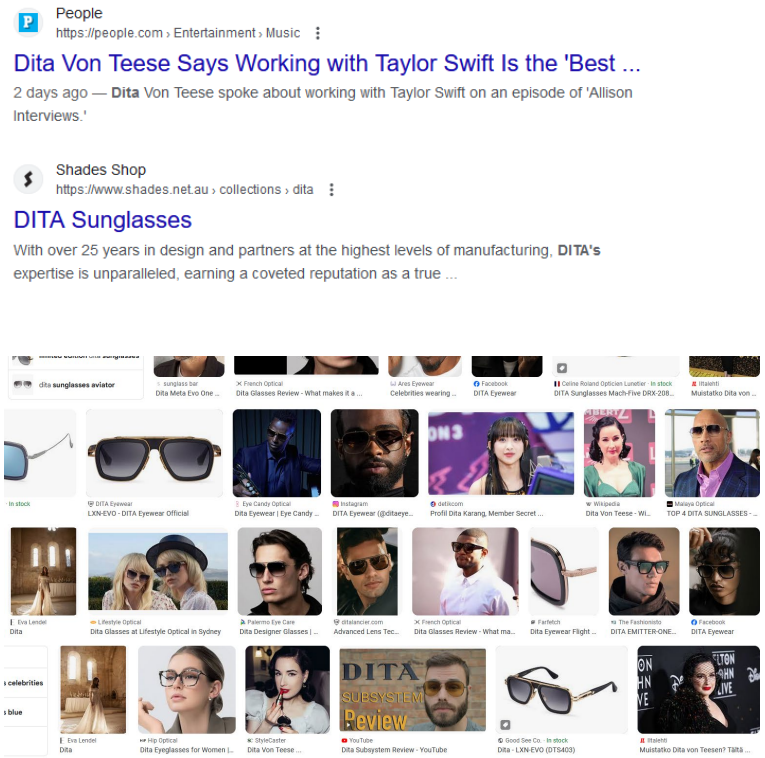
Customizing DITA OT plugins is difficult. Special knowledge is required to customize plugins such as knowledge of Ant, XSL, and DTDs. XHTML, JavaScript, and XSL-FO. For this reason, most companies hire an expert.

THE INTERNET RESOURCES – ”DITA” SEARCH

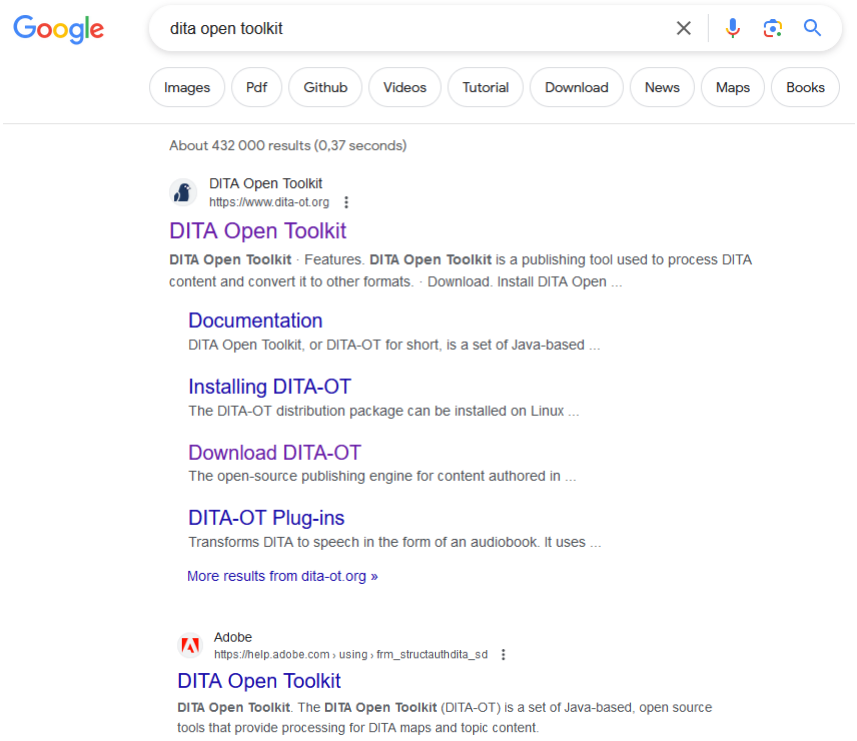


THE INTERNET RESOURCES – ”DITA” SEARCH





THE INTERNET RESOURCES – ”DITA-OT” SEARCH



Wikipedia
https://en.wikipedia.org › wiki › DITA_Open_Toolkit

DITA Open Toolkit

DITA Open Toolkit (DITA-OT) is an open-source publishing engine for content authored in the Darwin Information Typing Architecture (DITA).

Oxygen XML Editor
https://www.oxygenxml.com › doc › ug-editor › topics

DITA Open Toolkit Project

The **DITA Open Toolkit** project file allows you to define all your DITA map input and filter pairs and to produce the desired output formats by applying the ...

DITA Open Toolkit
https://dita-ot.sourceforge.net › ...

DITA Open Toolkit 1.8 Documentation

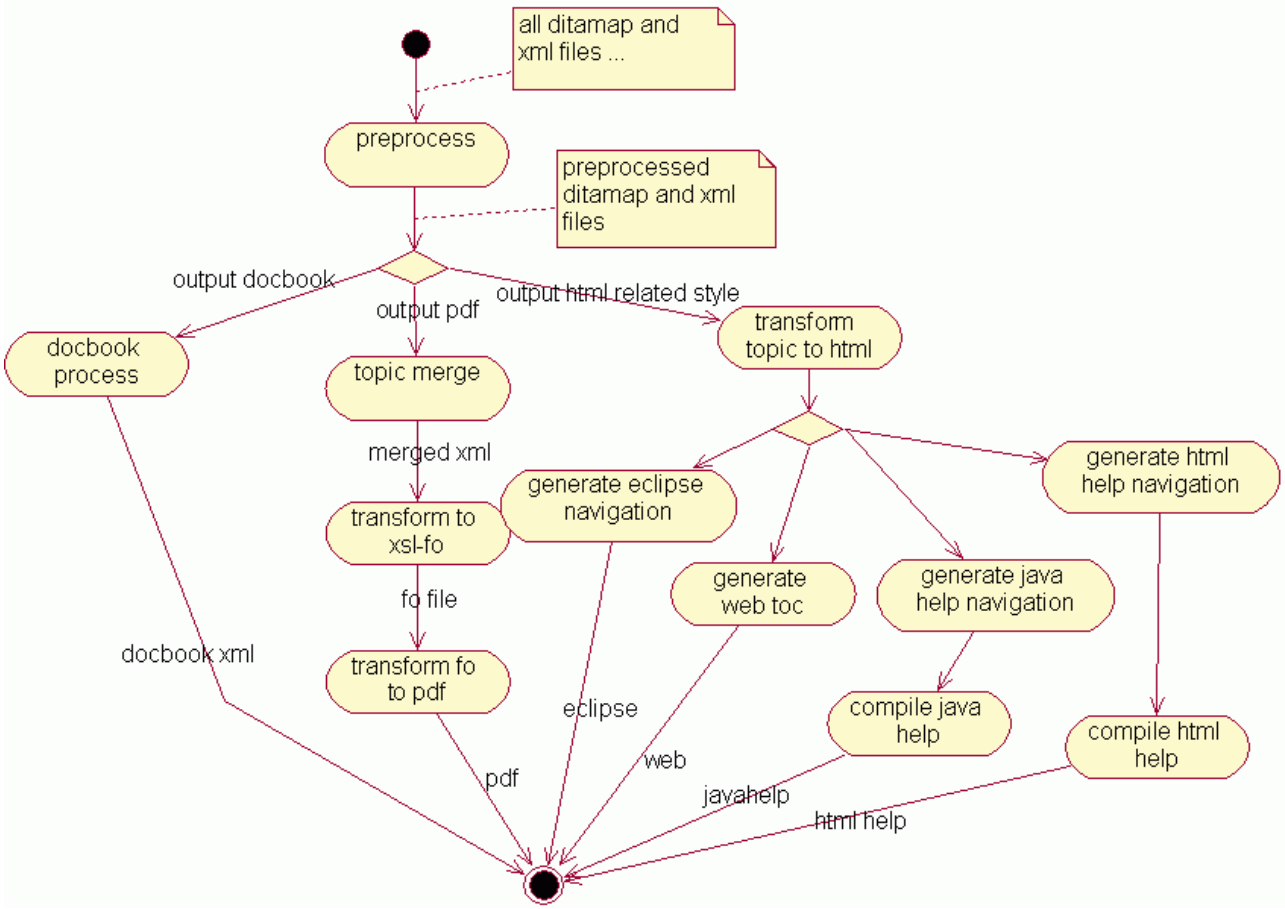
The **DITA Open Toolkit**, or DITA-OT for short, is a set of Java-based, open source tools that provide processing for DITA maps and topic content. You can download ...

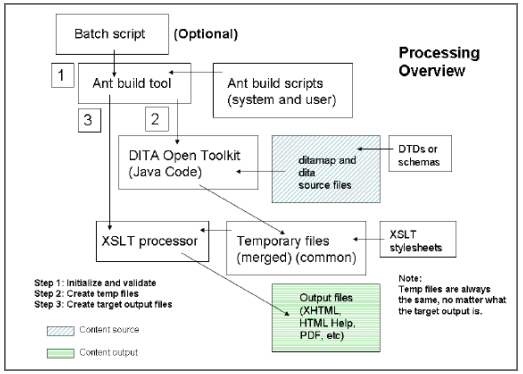
GitHub
https://github.com › dita-ot › dita-ot

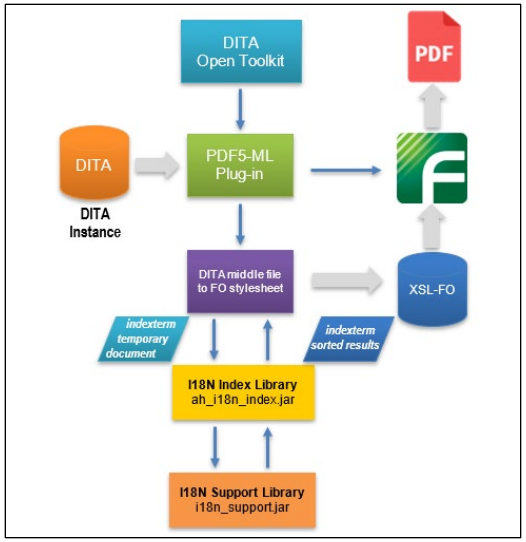
DITA Open Toolkit

DITA Open Toolkit, or DITA-OT for short, is an open-source publishing engine for content authored in the Darwin Information Typing Architecture. Visit ...

THE INTERNET RESOURCES – ”DITA-OT” SEARCH

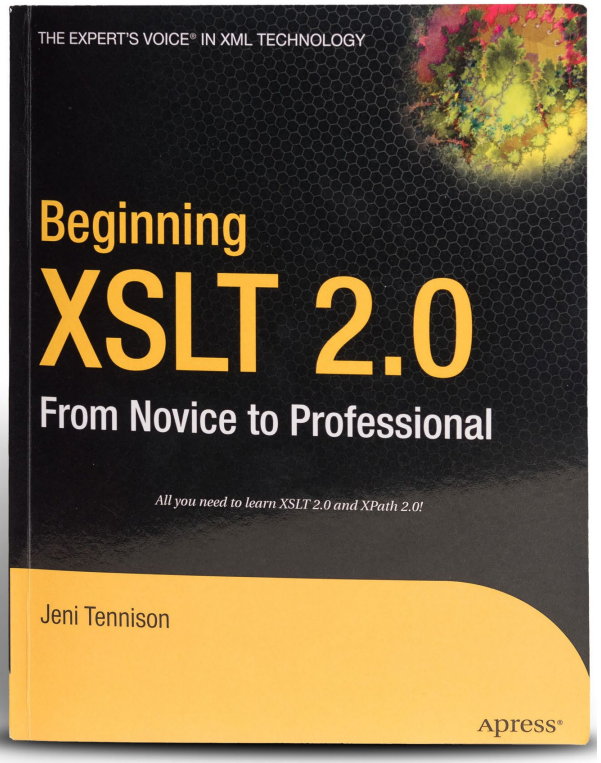


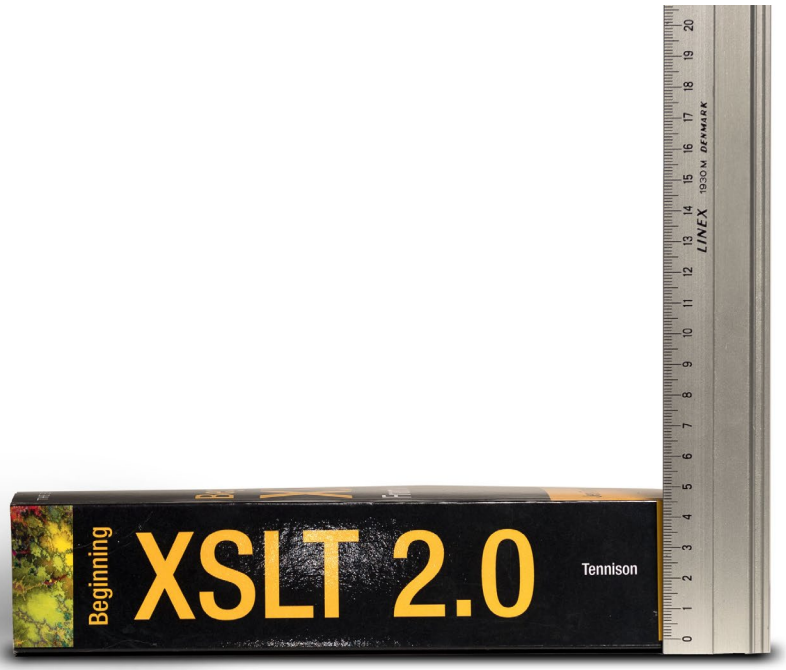


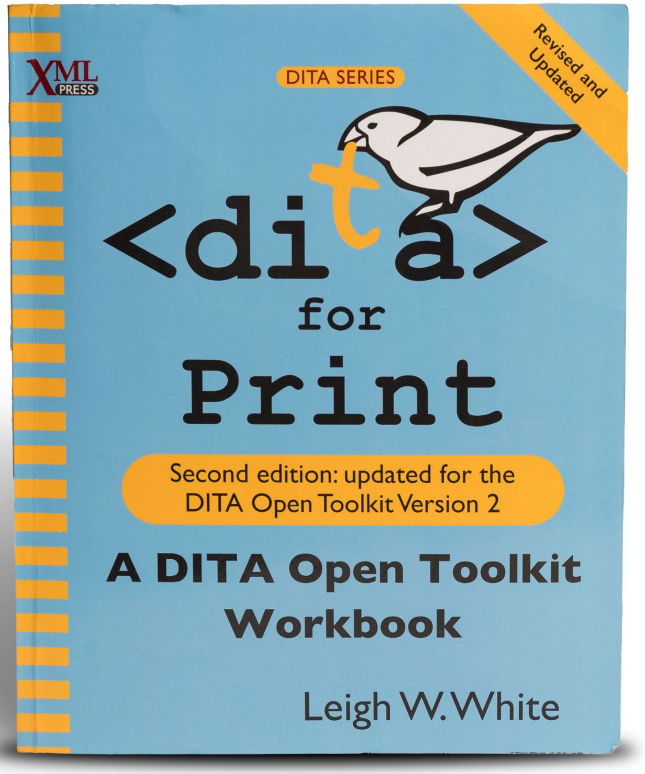


BOOKS

BOOKS

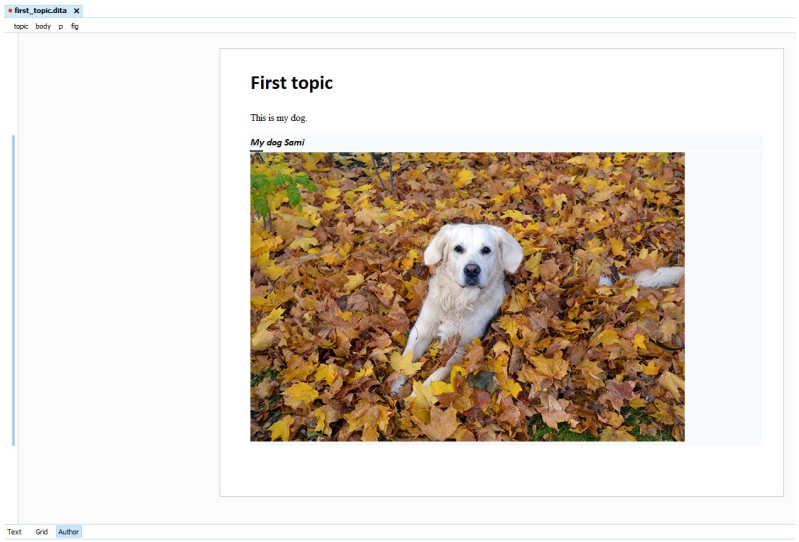

THE EXPERT'S VOICE® IN XML TECHNOLOGY
Beginning
XSLT 2.0
From Novice to Professional
All you need to learn XSLT 2.0 and XPath 2.0!
Jeni Tennison
Apress®

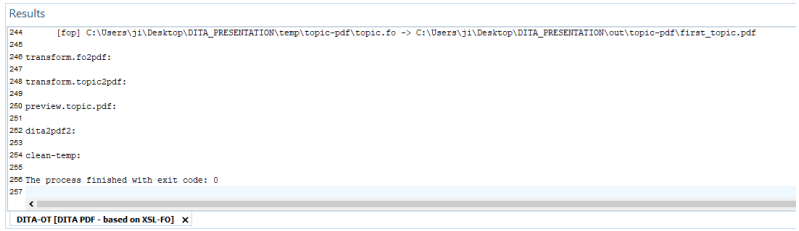

Beginning
XSLT 2.0
Tennison

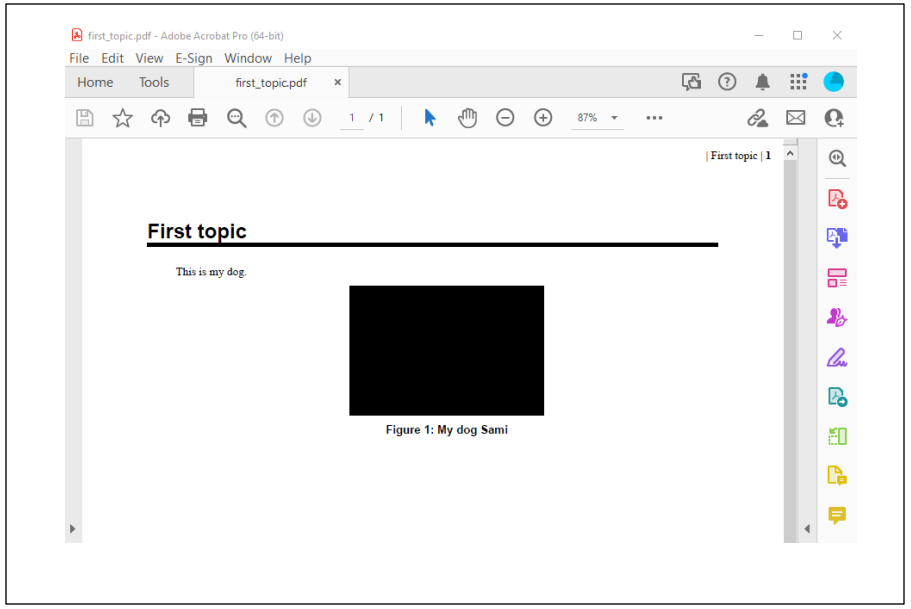


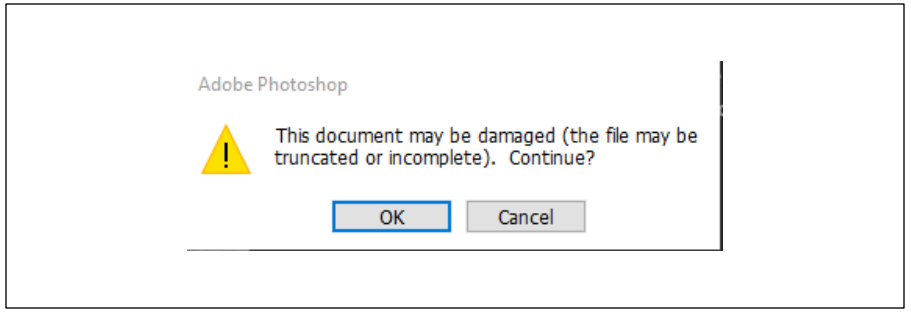
Book for anyone who wants to learn how to create PDFs using DITA Open Toolkit without learning everything there is to know about XSL-FO, XSLT or Xpath, or even about the DITA Open Toolkit itself.

FIRST ATTEMPTS – THE ”DOG” STORY

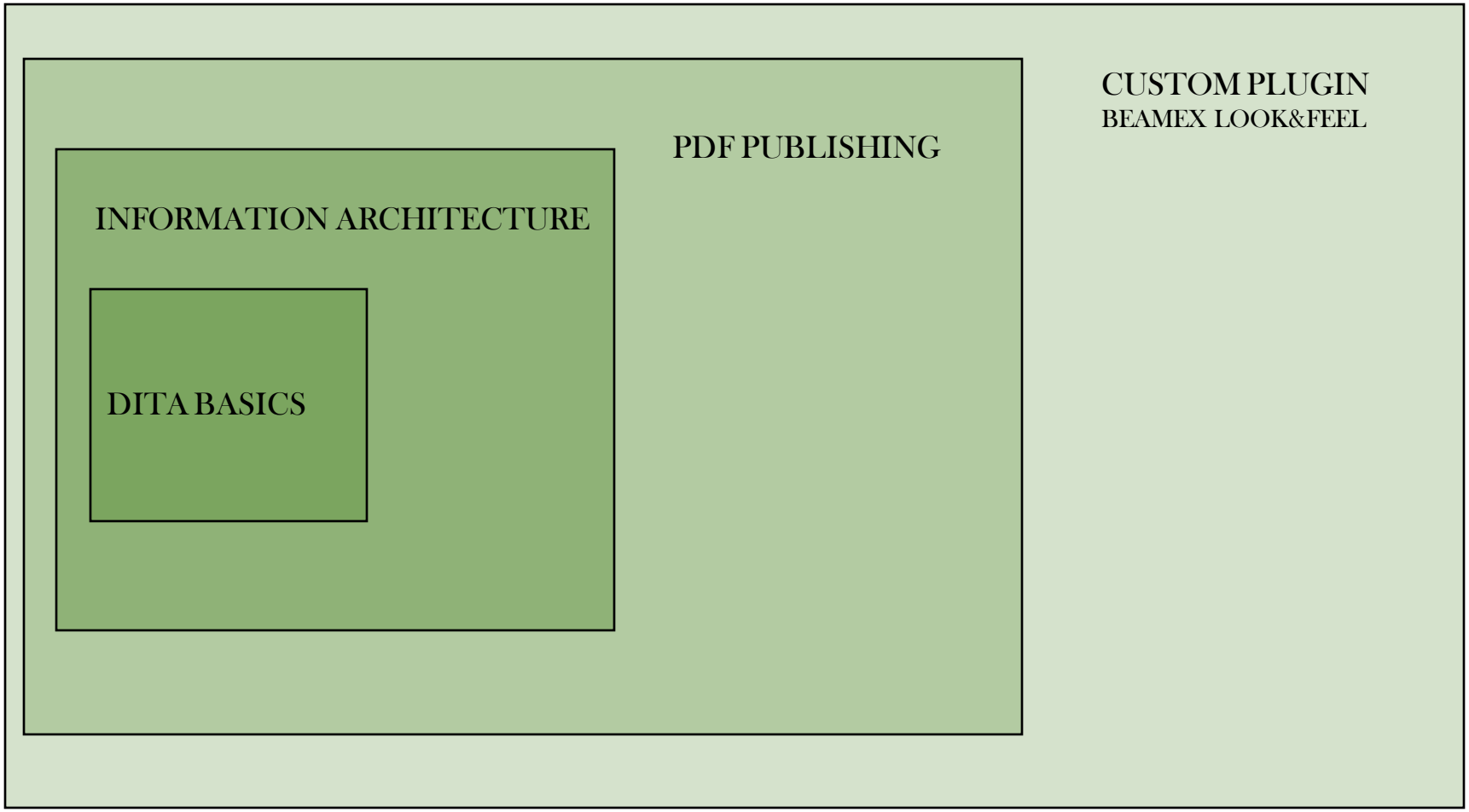








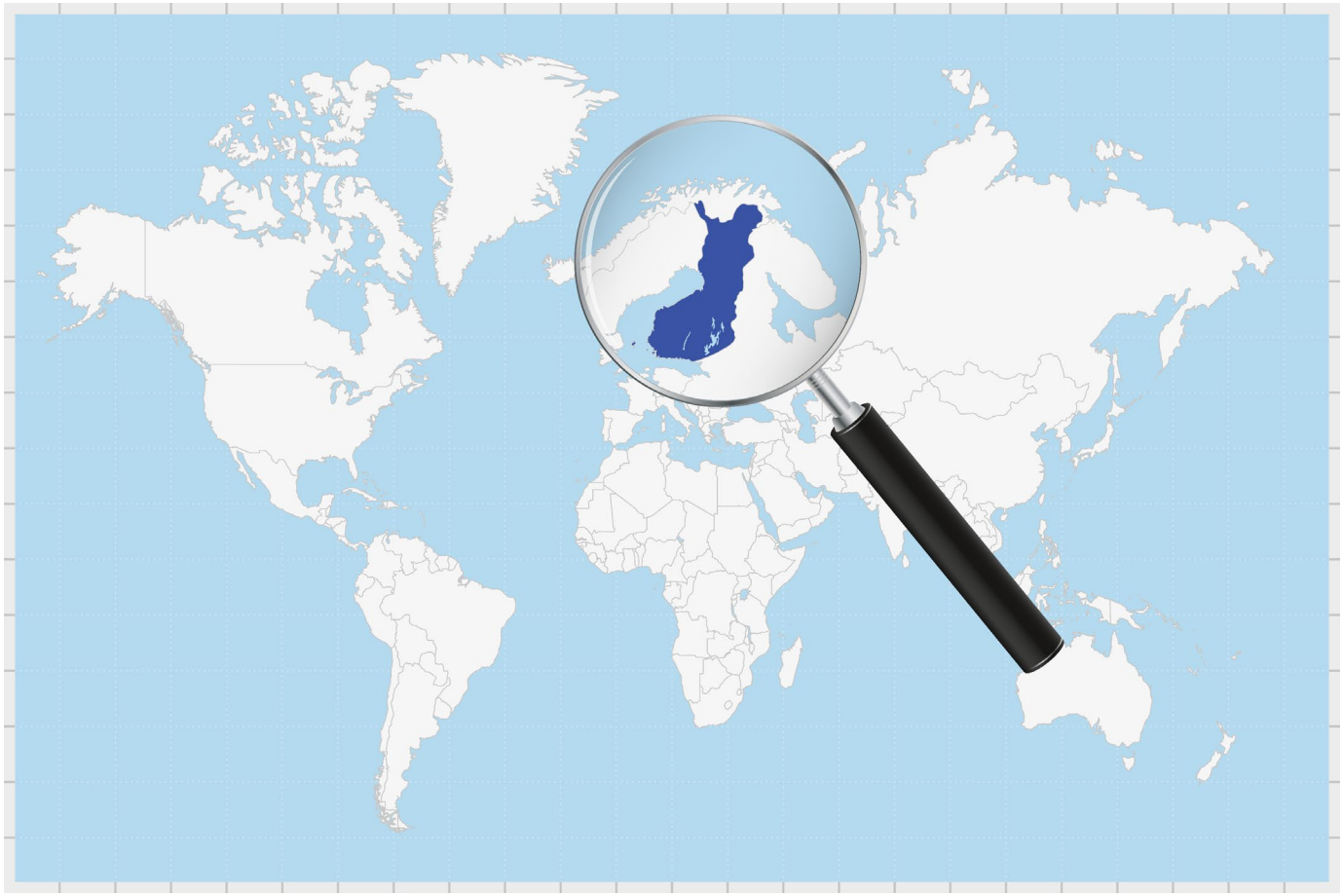
THE BIG PICTURE



COMPLEXITY

Beamex CENTRICAL and Supporting
User Manual
USER MANUAL
Calibration Pump
MC4
Documenting Process Calibrator
EXT
EXTERNAL PRESSURE MODULES
USER MANUAL
PGHH
Hydraulic Calibration Pump
0 ... 700 bar (0 ... 10,000 psi)
MC6
Advanced field calibrator and communicator
Manuel d'utilisateur
USER GUIDE

SEARCH FOR THE TRAINING PROVIDER



Days 1-2 – DITA XML and Information Architecture

Days 3-4 – XSLT and XPath training

- Getting started with XSLT stylesheet development
- How to use XPath to access any node in the XML node tree
- How to create and call templates
- Creating output
- XSL-FO for PDF output
- Centralized maintenance through property sets
- Reuse: variables; named templates; functions
- How to use conditions to control flow in templates
- Techniques for grouping, sorting and recursion
- How to include/import other stylesheets
- Advanced topics: numbering; analyzing strings; keys

Day 5 – Fundamentals of Dita Open Toolkit

- Programming Skills Needed (ANT, XSLT, XSLT-FO, CSS)
- Architecture (ANT, build files, plugins)
- XHTML pipeline & modifying output (XSLT, CSS)
- PDF pipeline & modifying output (XSL-FO)
- Scoping and Planning Development Projects
- Introduction to DITA Open Toolkit skills, versions, and installation
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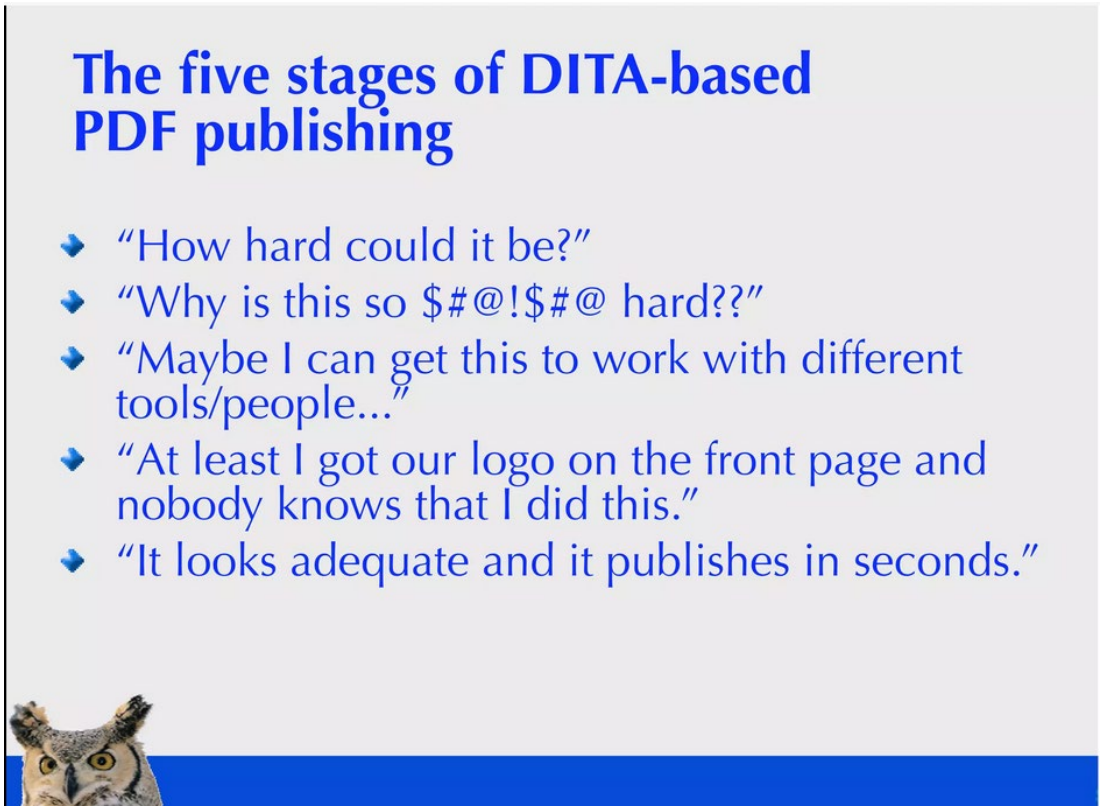


Demystifying DITA to PDF publishing

by Sarah O'Keefe
Scriptorium Publishing

When **Communicator** is started, a list of communication protocols available for MC6 is shown. See Figure 2: Communication protocols. on page 6.

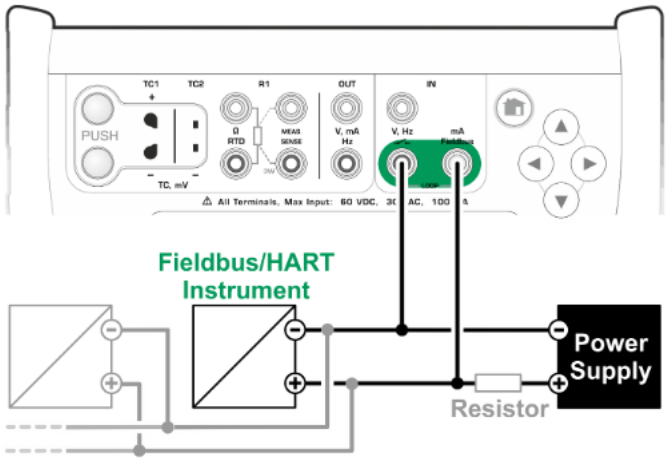


Figure 5: Using an external power supply.

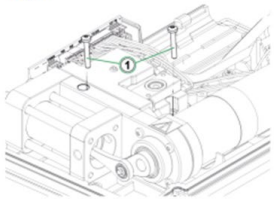
p

p

p

3. Unscrew the following two screws (1) from the pump mechanism and lift the whole mechanism slightly up.

Step 3



p

p

p

p

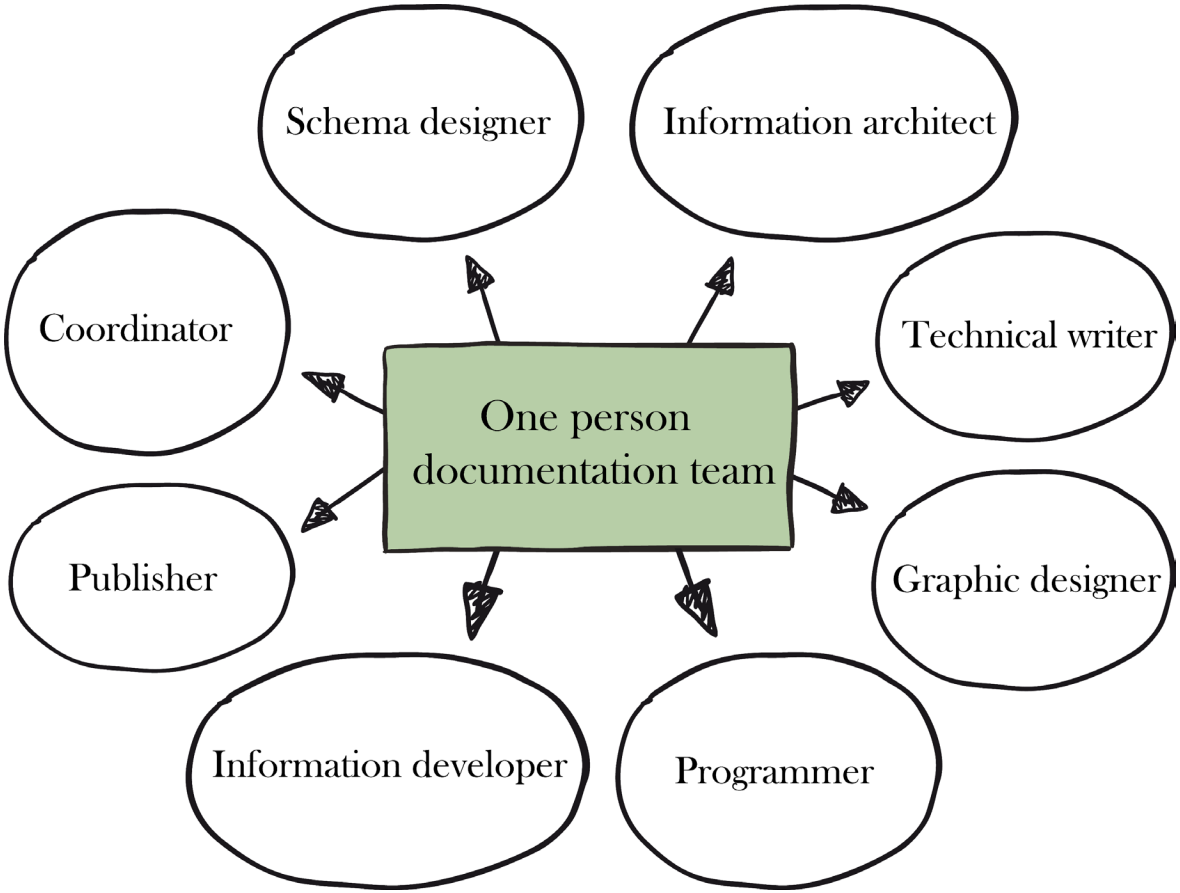
p

4. Unscrew the four screws holding the cylinder ends together. When reassembling, tighten the screws with 2.5 N

THE ”FIGURE TITLE” ISSUE AGAIN

```
<!-- Output the corrected string -->
<xsl:call-template name="removeFinalFullStop">
<xsl:with-param name="inputString" select="."/>
</xsl:call-template>
<xsl:template name="removeFinalFullStop">
<!-- "inputString" is the original string to check -->
<xsl:param name="inputString"/>
<xsl:choose>
<!-- Check if the last character of the string is '.' -->
<xsl:when test="substring($inputString, string-length($inputString), 1) = '.'">
<!-- Output string up to the last character -->
<xsl:value-of select="substring($inputString, 1, string-length($inputString)-1)"/>
</xsl:when>
<xsl:otherwise>
<!-- Output the original string -->
<xsl:value-of select="$inputString"/>
</xsl:otherwise>
</xsl:choose>
</xsl:template>
```

MULTIPLE ROLES



FIRST MODIFICATIONS AND MY FIRST PLUGIN

DITA_clean_version	File folder
DITA-OT_old	File folder
dita-ot_original	File folder
dita-ot-3.1.2	File folder
dita-ot-3.2	File folder

CONFIDENCE

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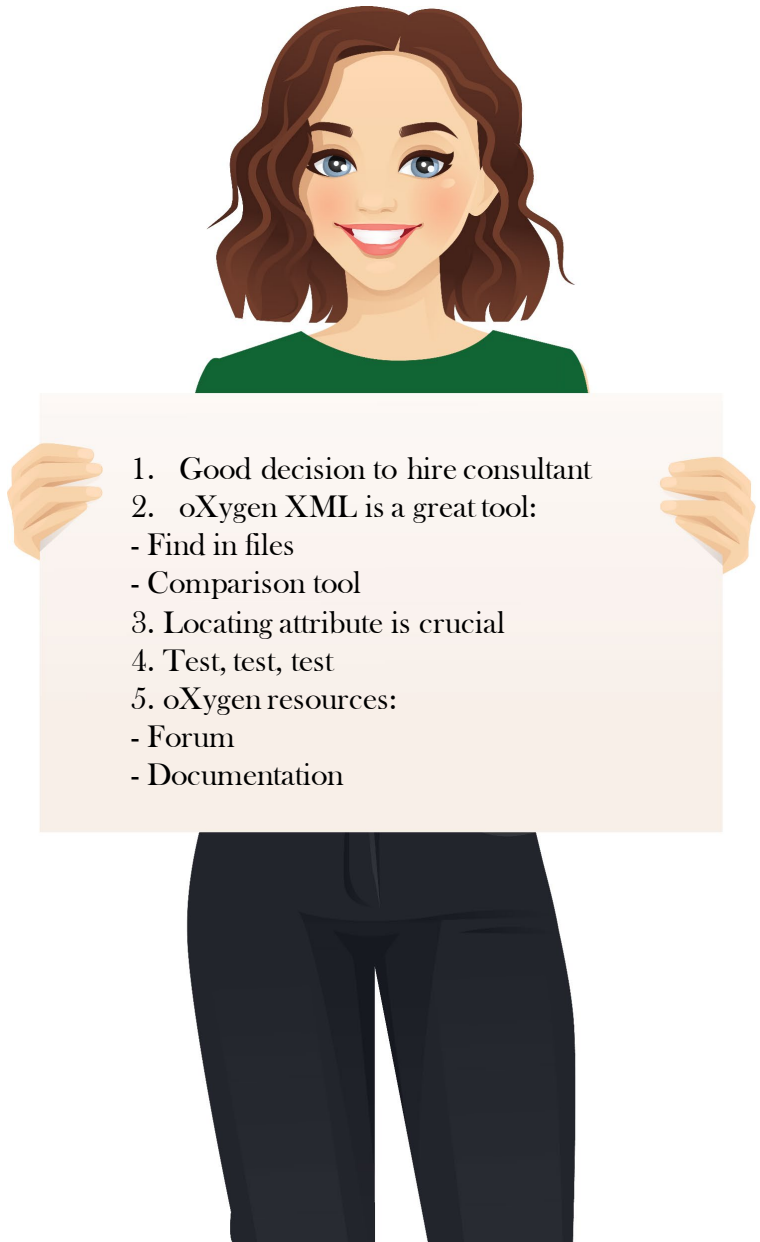
DO-OVER

WHERE ARE WE NOW

IN RETROSPECT



FINAL CONCLUSIONS

THANK YOU

QUESTIONS?

Justyna Hietala
justyna.hietala@gmail.com

beamex