

The Evolution of Transformation

Rik Page

Sales & Marketing Director EMEA

Bluestream

Rik Page

- Director of Sales and Marketing EMEA
- 19 years structured content
 - 14 years DITA
- Experience also gained in unstructured document management
- Multiple markets including:
 - Manufacturing
 - Government
 - Education
 - Banking

About Bluestream

- Founded in Vancouver, Canada in 1997
- XML Content Management since 2004
- XDocs DITA Component Content Management System
- Open standard champions in our philosophy and approach
 - MySQL
 - OWL
 - BPMN2.0
 - RESTful APIs

About Bluestream

- Domain excellence and comprehensive solutions
 - Manufacturing
 - Policies and Procedures
 - Learning and Training
 - Healthcare



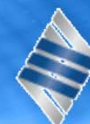
xerox™

LifeFitness

FANUC

ACI

UNIVERSAL
PAYMENTS



EMERSON™

GUIDEWIRE

napa:tech;
RECONFIGURABLE COMPUTING

 Envision

 RLDatix™



GE Healthcare

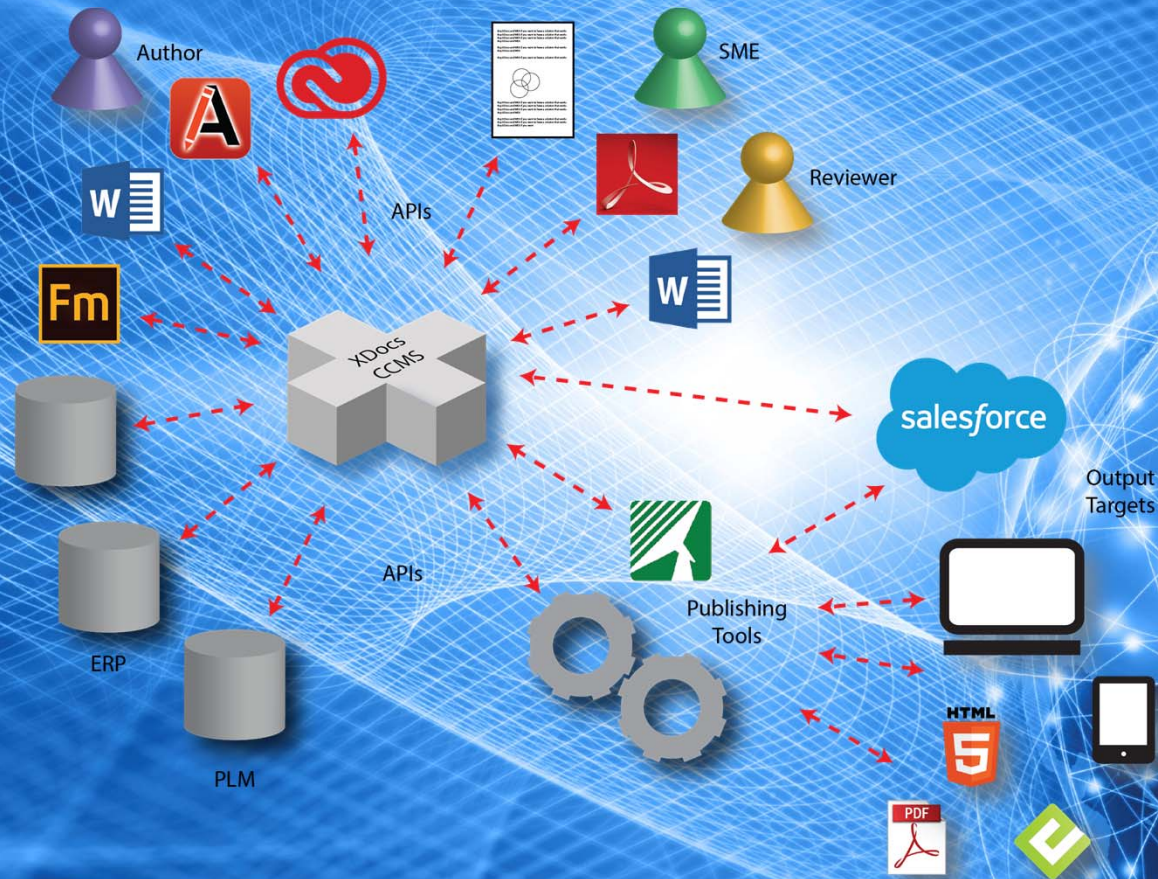
SHIMANO

 TraPac™

 TAIFUN®
software

 CollegeBoard

XDocs – the eXtensible CCMS



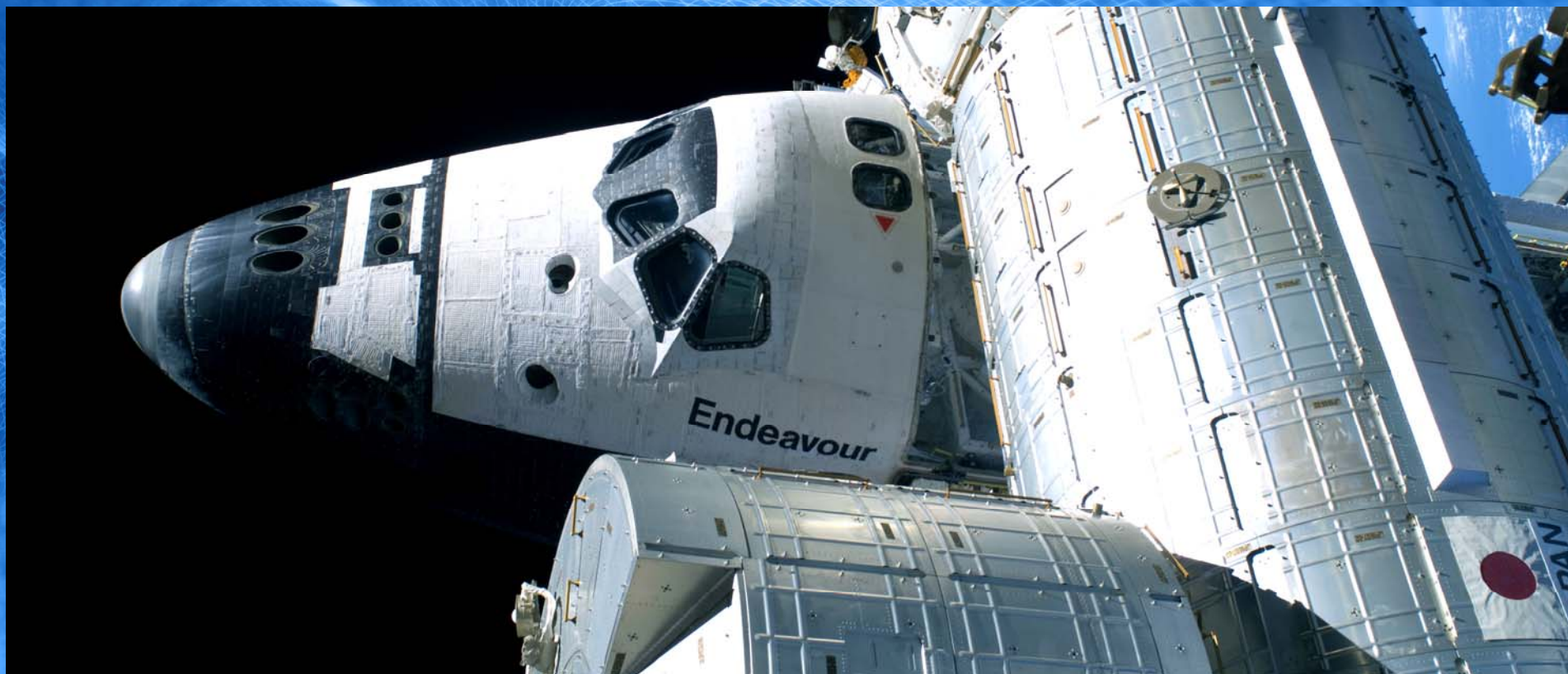
The eXtensible CCMS

- Able to store all content types not just DITA XML
- Built using open standards: MySQL, OWL, BPMN2.0, RESTful
- Modular and scalable
- Comprehensive APIs
- Can be connected to almost any system for both input and output
- Allows SMEs and Reviewers to contribute online

The background of the slide is a deep blue with a complex, abstract pattern of glowing white lines. These lines form a grid-like structure that curves and flows across the frame. On the right side, there is a silhouette of a globe with a network of white dots and lines connecting them, suggesting a global communication or data network. A bright, glowing light source is visible in the center-right area, creating a lens flare effect.

XSLT has been with us since 1998

Also in 1998



Also 1998



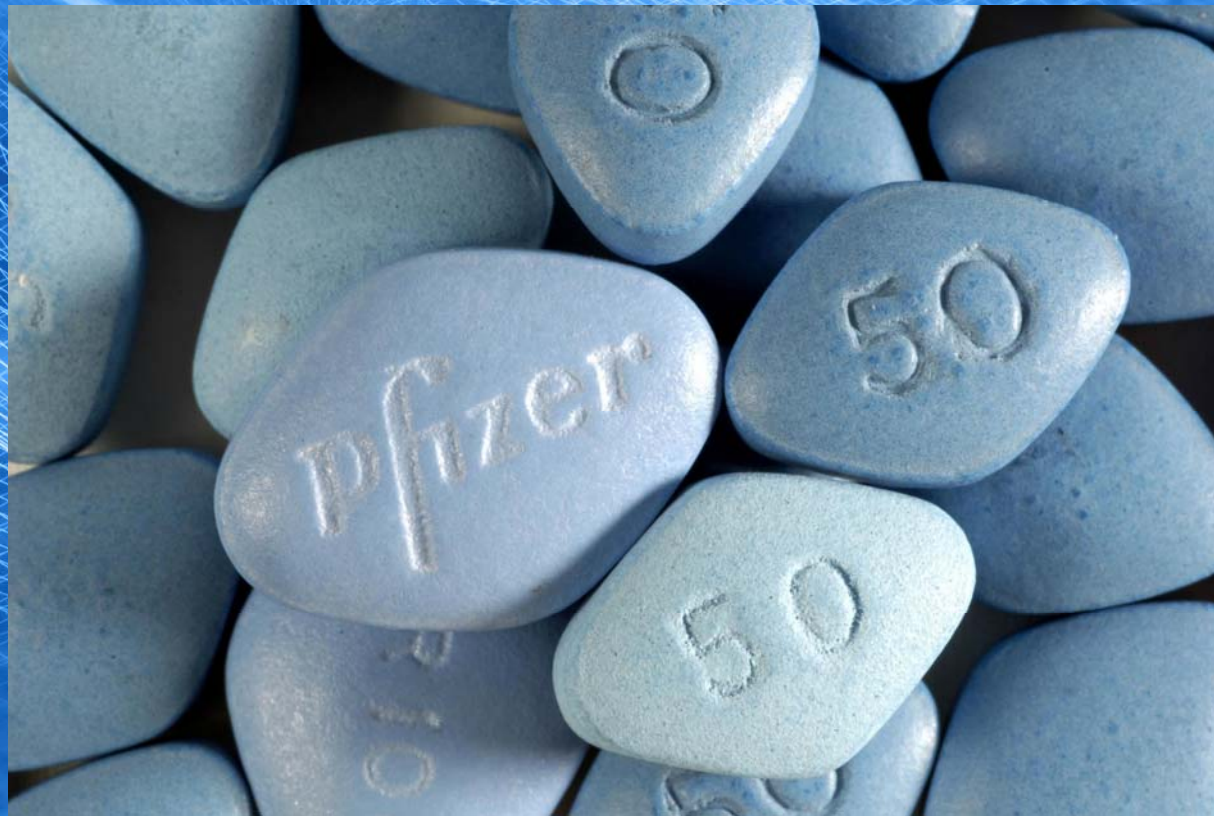
Also in 1998



Also in 1998



Also in 1998



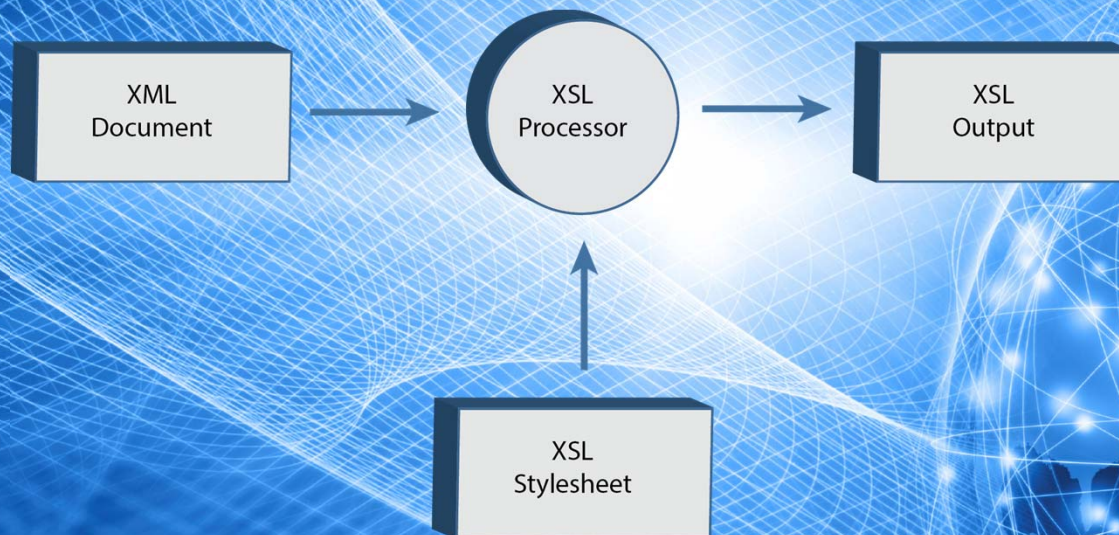
Also in 1998



Most important in 1998

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <html>
      <body>
        <table border="1">
          <tr bgcolor="#cccccc">
            <th>Name</th>
            <th>Age</th>
            <th>Sex</th>
          </tr>
          <xsl:for-each select="group/person">
            <xsl:sort select="datum[@type='sex']" />
            <tr>
              <td><xsl:value-of select="datum[@type='name']" /></td>
              <td><xsl:value-of select="datum[@type='age']" /></td>
              <td><xsl:value-of select="datum[@type='sex']" /></td>
            </tr>
            <xsl:variable name="last" select="datum[@type='sex']" />
          </xsl:for-each>
        </table>
      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
```

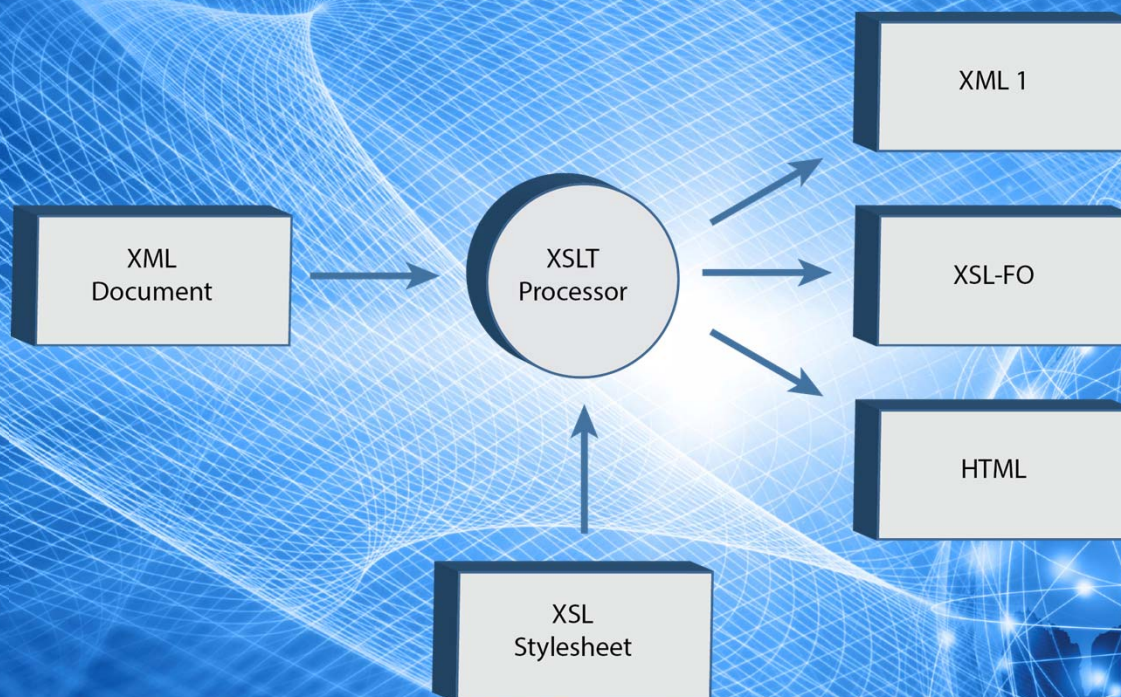

It started with XSL



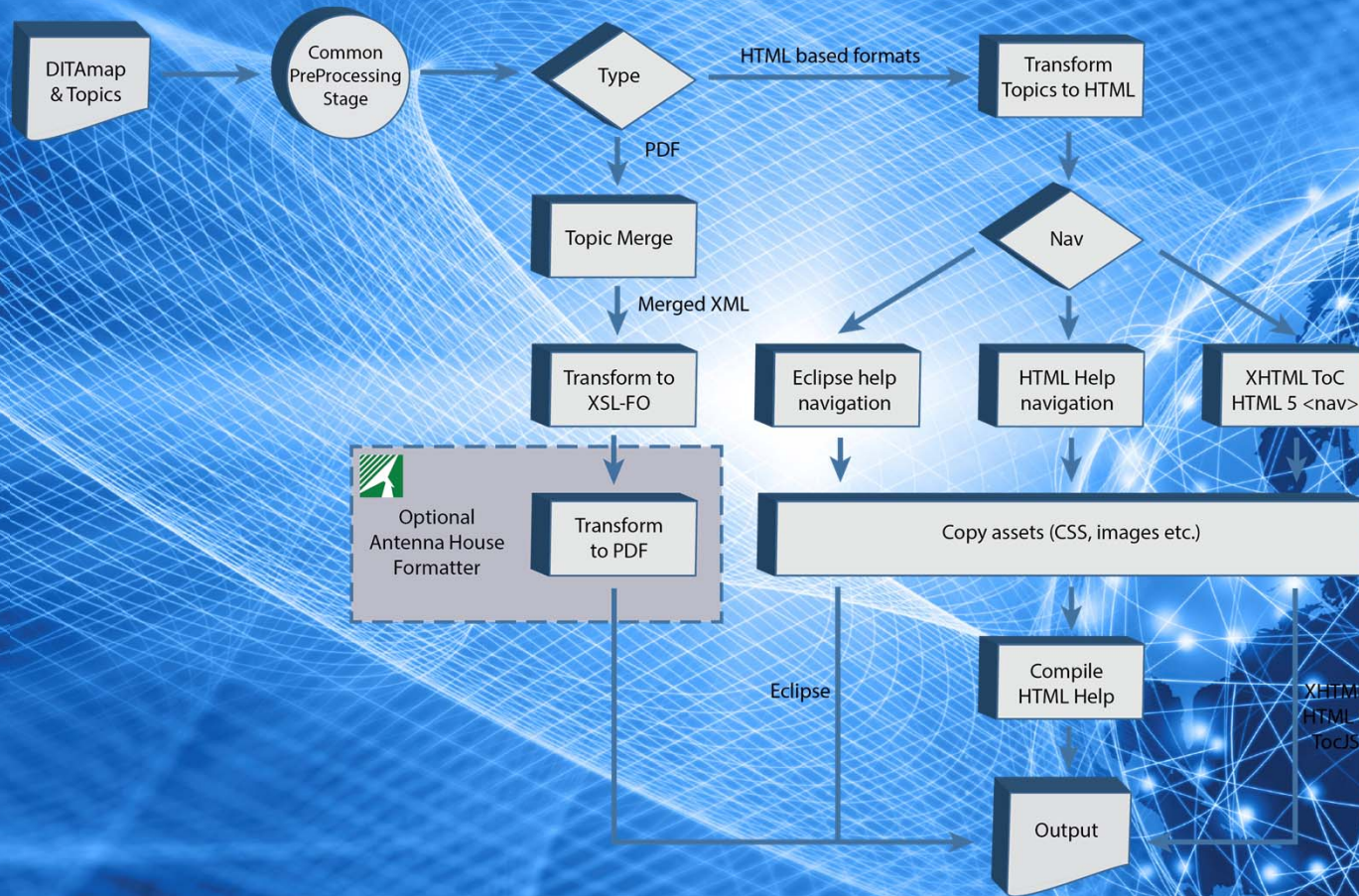
Multiple Components

- XSL – eXtensible Stylesheet Language
- XSLT – eXtensible Stylesheet Language Transformations
- XSL-FO – eXtensible Stylesheet Language Formatting Objects
- XPath – XML Path Language
- XQuery – XML Query Language

XSLT



DITA Open Toolkit



Advantages of XSLT

- Consistent output
- Once it's written it's there to be used throughout the company
- Platform independent

Disadvantages with XSLT

- Complexity
 - Time consuming
 - Specialist skills required
 - Can be difficult to maintain
- Genuine shortage of people who really understand XSLT transformations in DITA world
- Hard to automatically manage all possibilities
 - No possibility of post production 'fine-tuning' to improve appearance

When to use XSLT

- Style and branding are set and unlikely to change anytime soon
- Large document sets
- Large documents
- Multiple language outputs requiring consistent brand
- Regular updates to the content
- You're already heavily invested

When not to use XSLT

- Branding likely to change
- Small number of documents
- Short documents
- Lots of changes to appearance
- Content is set
- Desire for 'fine-tuning' appearance
- You've not started your DITA journey?

XSLT sample

Bookmarks



Respiratory Gating for
Scanners Instructions
for Use

Contents

> Chapter 1 Introduction

> Chapter 2 Safety

> Chapter 3 System
Overview

> Chapter 4 Prepare the
Equipment

> Chapter 5 Prepare the
Session and the Patient

> Chapter 6 Acquire
Respiration-Synchronize
d Images

> Chapter 7 Finalize the
Session

Chapter 4 Prepare the Equipment

Prepare the Equipment (Overview)

This document describes use of Respiratory Gating for Scanners, but not its installation and configuration. Such tasks must be performed by trained Varian personnel only. For information about configuration settings, refer to the appendix.

1. Clean the reflector block.
2. Clean other equipment.
3. Start and log in to the application.
4. If the camera is couch-mounted, mount it.
5. If necessary, verify the calibration of the camera or calibrate it or both.
6. If available, mount and switch on the Visual Coaching Device (VCD).

Make sure the battery is loaded.

7. Review and resolve any remaining alerts (RGSC Messages).

Proceed to prepare the patient and the session.

Clean the Reflector Block

Before each new patient, take special care to clean and inspect the reflector block.

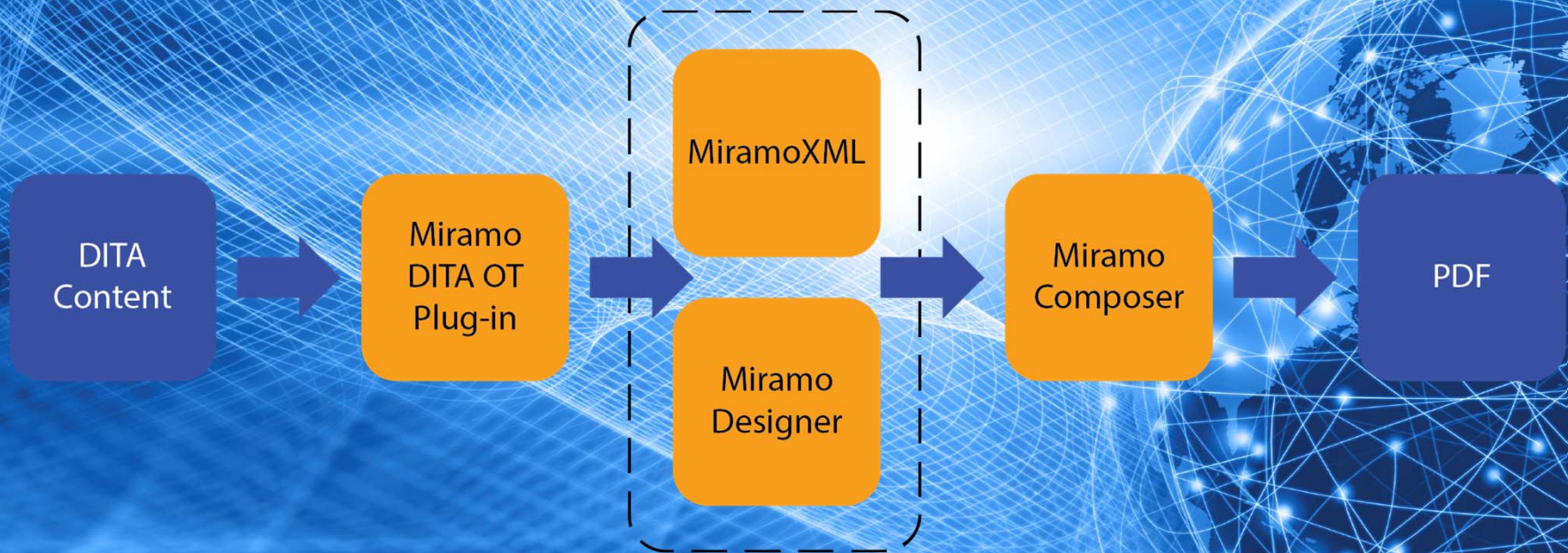
1. Spray the reflector block with a 70% to 90% isopropyl alcohol solution.
2. Wipe with white sterile cloth.

XSLT is no longer the only option

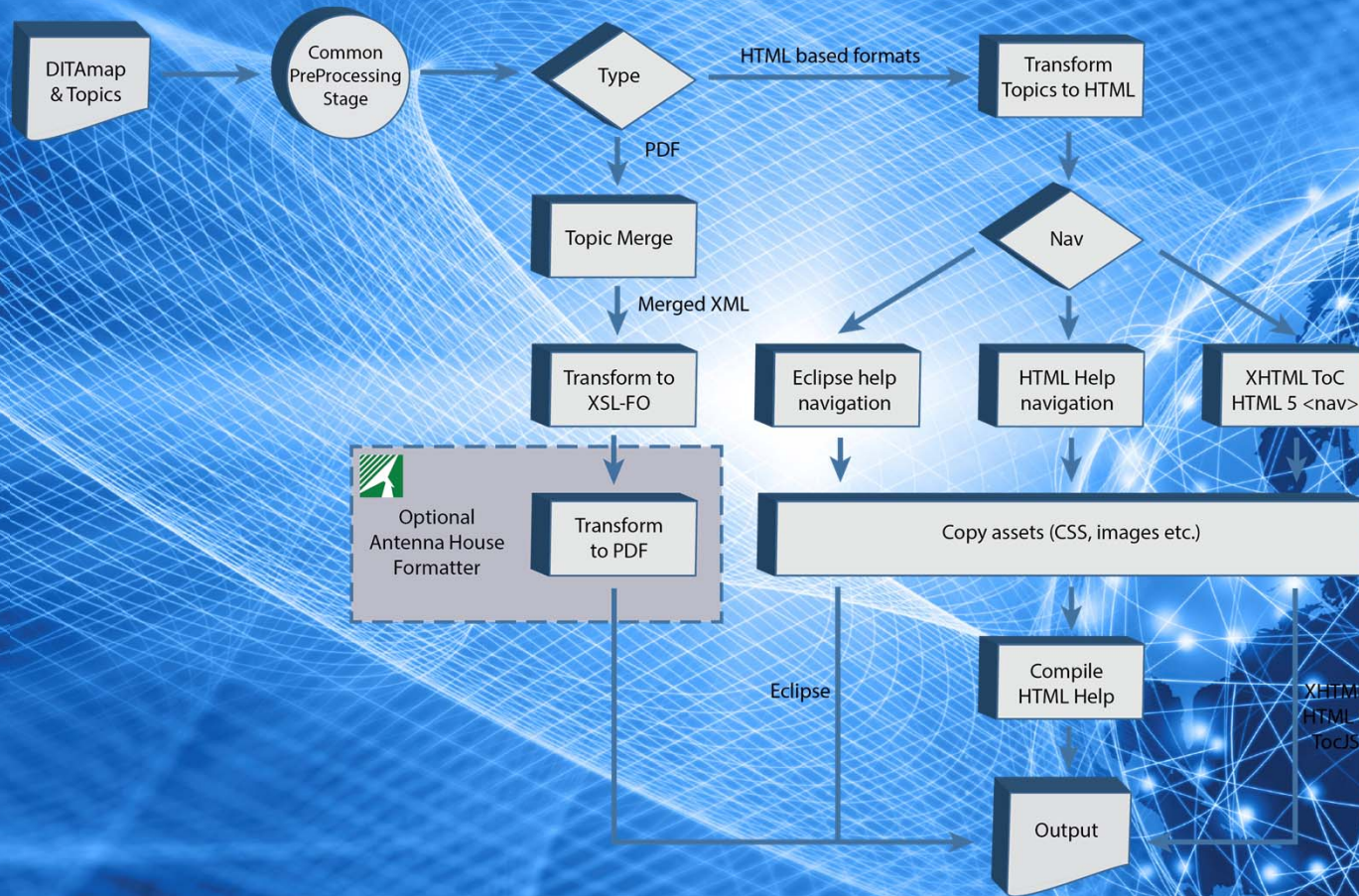
- New tools for PDF creation include:
 - MiramoPDF
 - DITA InPrint
 - TopLeaf XML Publisher
 - Oxygen PDF Chemistry
 - IdXML – DITA to Adobe InDesign

MiramoPDF

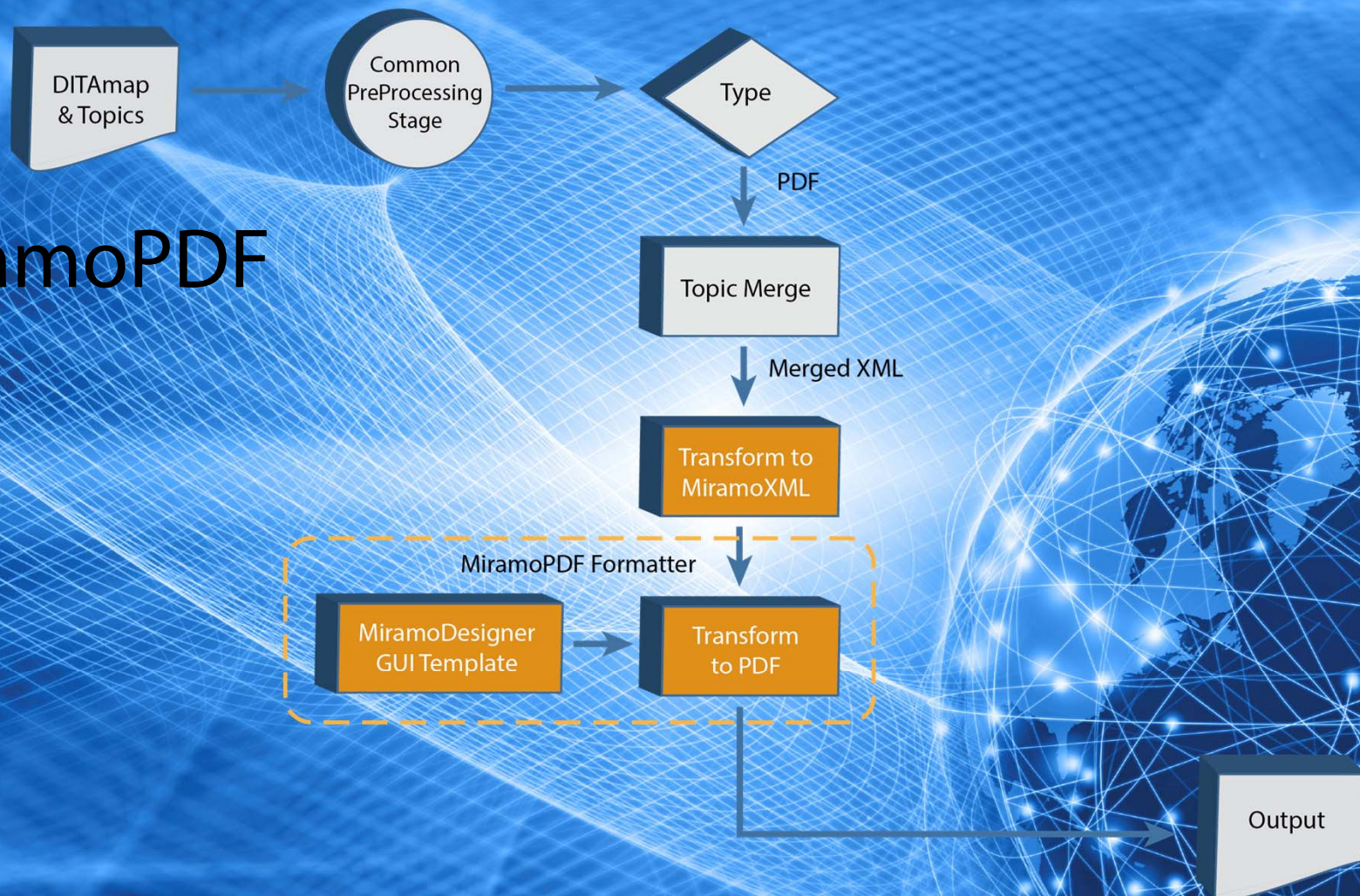
- Plug-in for DITA Open Toolkit
- WYSIWYG design tool



DITA Open Toolkit



MiramoPDF



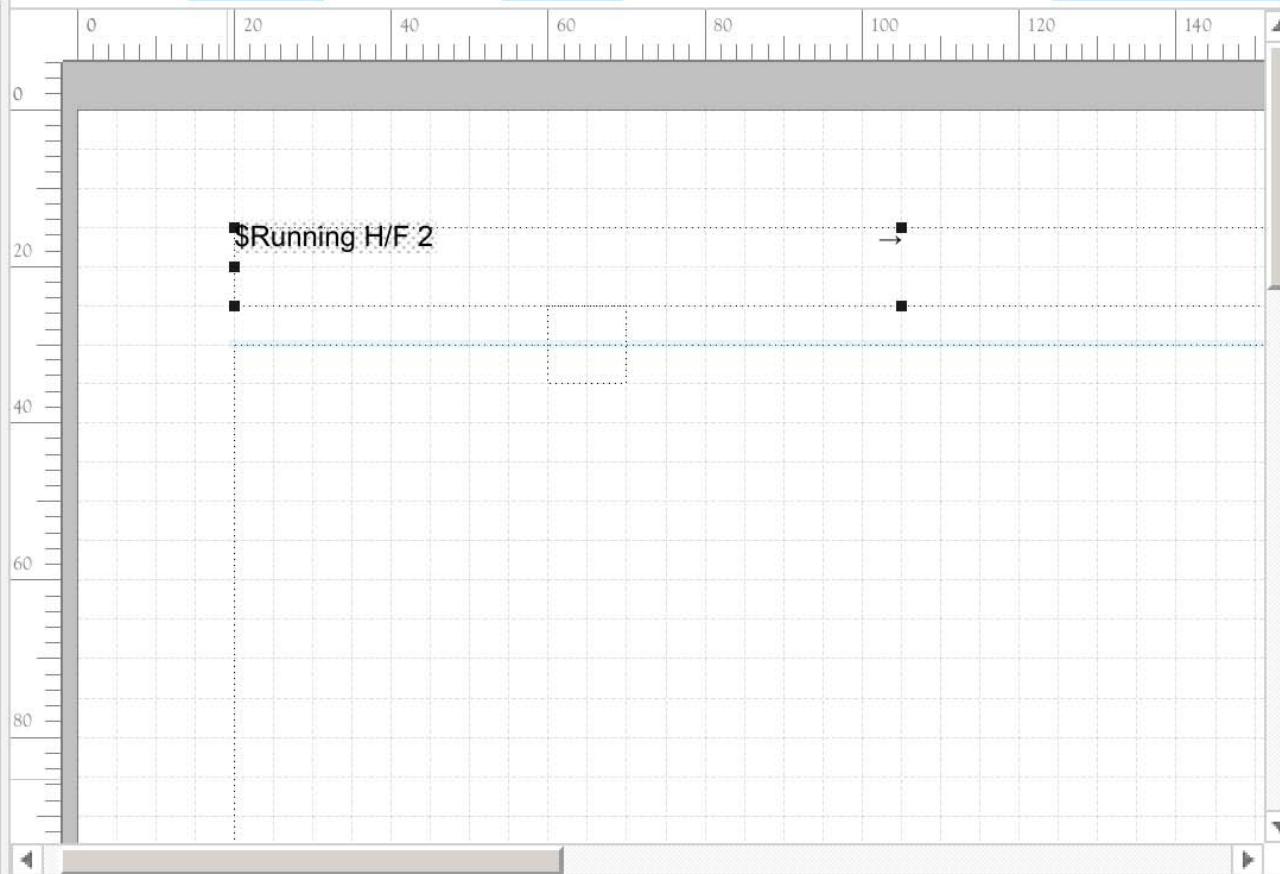


&tools

Ruler units: mm Grid lines: 5mm ☒ Snap to grid Snap grid interval: 5.00 mm



annotate



PageDef: Right

zoom: 100%

properties

TextFrame:

General

type: background

Size and position

left: 20.00 mm
top: 15.00 mm
width: 170.00 mm
height: 10.00 mm
angle: 0

Border

penWidth: 1.00 pt
penStyle: none
penColor: none
penTint: 100.0 %
penOpacity: 100.0 %

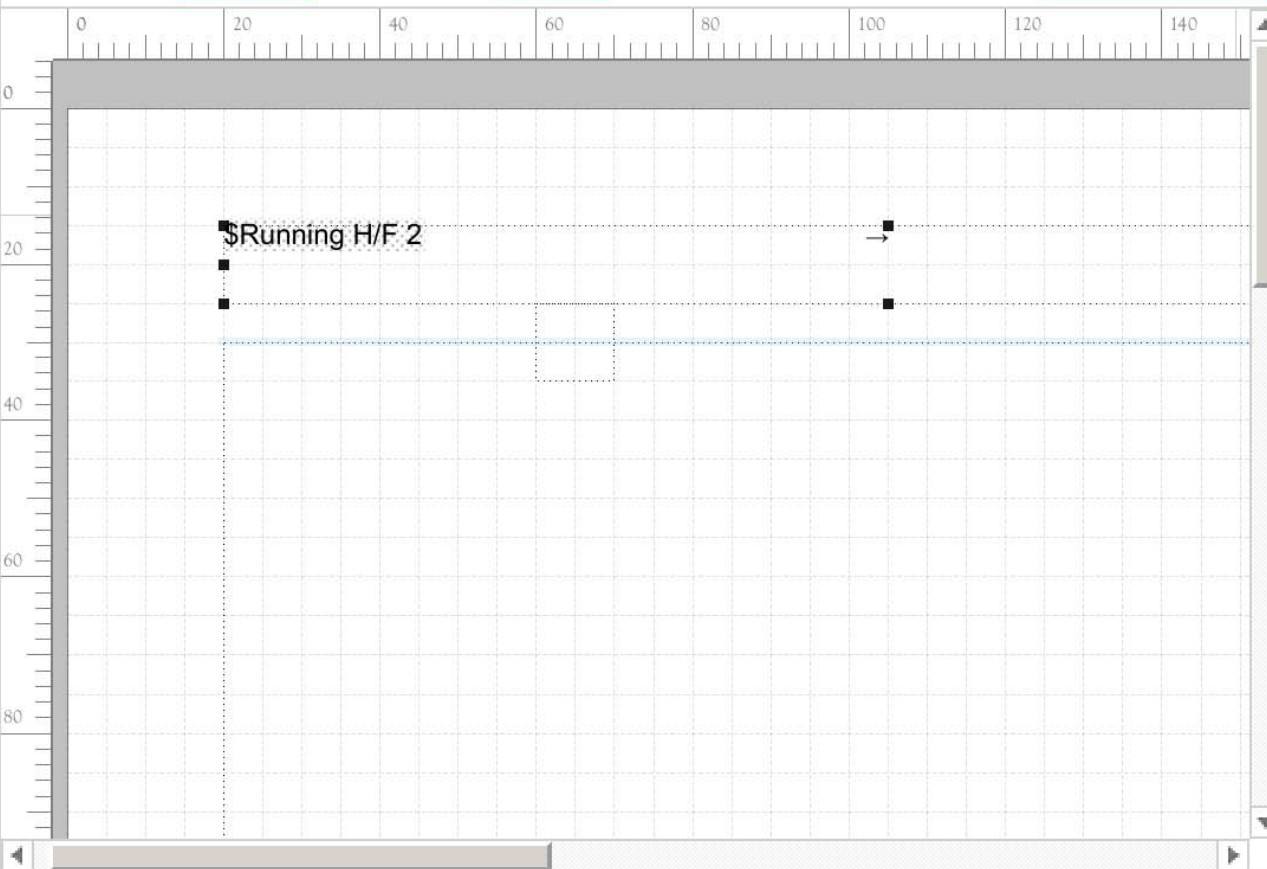
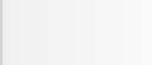


&tools

Ruler units: mm Grid lines: 5mm ☒ Snap to grid Snap grid interval: 5.00 mm



annotate



PageDef: Right

zoom: 100%

format & definitions

Type to filter

ColorDef

ContentsDef

contents1

figurelist

tablelist

DocDef

FNoteDef

FontDef

A apiname

A b

A b-ar

A b-he

A b-zh-cn

A changed

A cite

A cmdname

A codeph

A codeph

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A codeph

A codeph

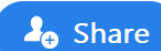
A codeph

A codeph

A codeph

More ...

Miramo sample



Bookmarks



Voorwoord

Proloog

Inhoudsopgave

1 Inleiding

> 2 Algemene toelichting

3 Beschrijving
kennisbases

> Kennisbasis Generiek

✓ Kennisbasis
Bewegingsonderwijs

> Inleiding

✓ Kennisdomeinen

Bewegingsonderwijs
aan groep 1 en 2

Bewegen in de

zelf (leren) bewegen, op hun eigen niveau, in hun eigen tempo en rekening houdend met hun eigen interesse. De student kan deze principes toepassen in de praktijk.

Domein 2: Structuur van het vak

1. De leraar kent de principes rondom fysieke veiligheid. Hij kan leerlingen binnen aanvaardbare risico's laten bewegen en spelen.
2. De leraar kan het schoolbeleid voor sociale veiligheid toepassen in de lessen bewegingsonderwijs.
3. De leraar kan aangeven wat de effecten en kwetsbaarheden zijn van verschillende groeperings- en organisatievormen en kan de bijbehorende principes toepassen.
4. De leraar kan de twaalf leerlijnen benoemen, toepassen en toelichten in groep 1 en 2.

5. De leraar kan leerlingen zelfstandig activiteiten op gang laten houden binnen de twaalf leerlijnen.
6. De leraar kent minimaal drie activiteiten binnen elke leerlijn, kan deze ordenen in volgorde van complexiteit en kan deze op maat toepassen.

MiramoPDF

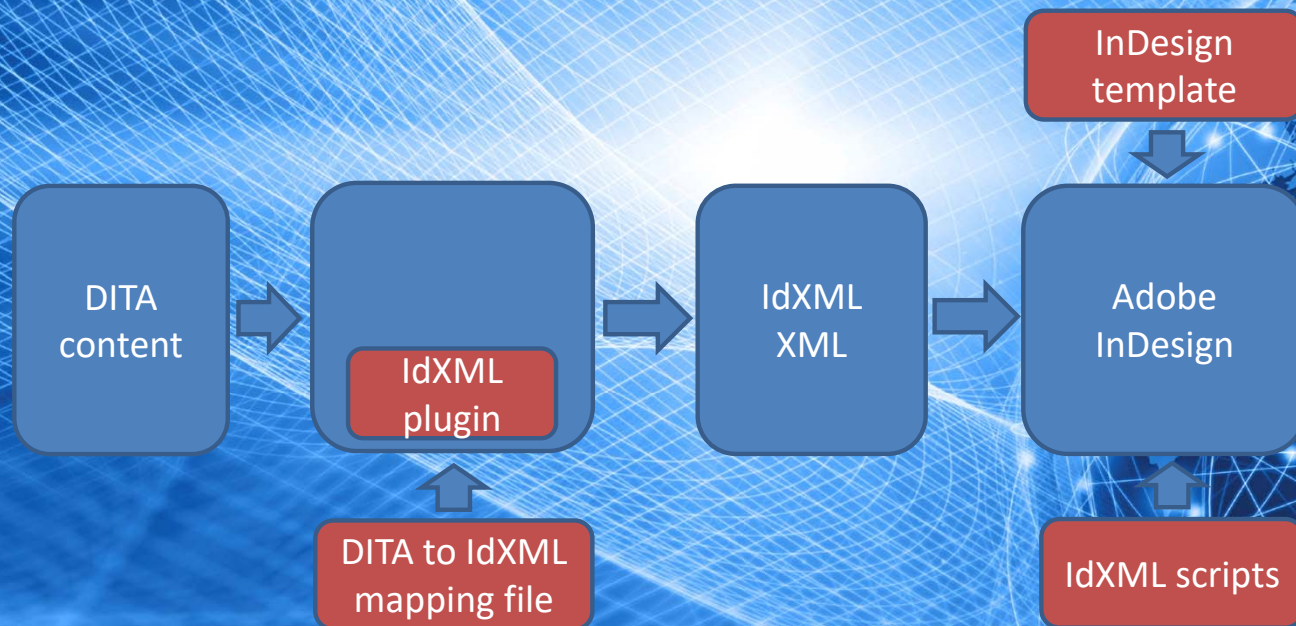
- Advantages
 - WYSIWYG design tool
 - Intuitive to use
 - Quick preview of output
 - Protects the integrity of the source content
 - Low cost solution

MiramoPDF

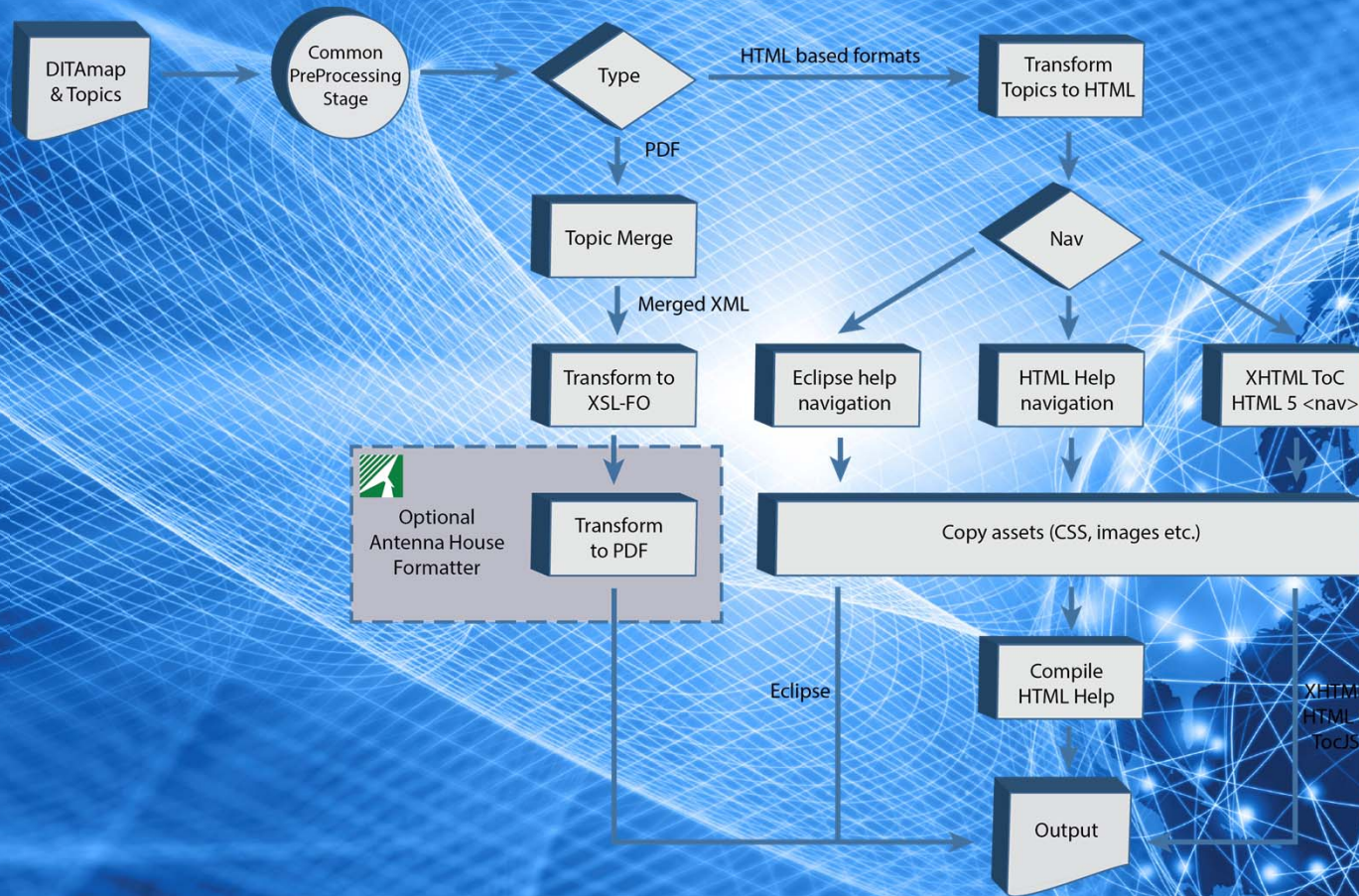
- Disadvantages?
 - An additional cost
 - Cannot 'fine-tune' to the finished output

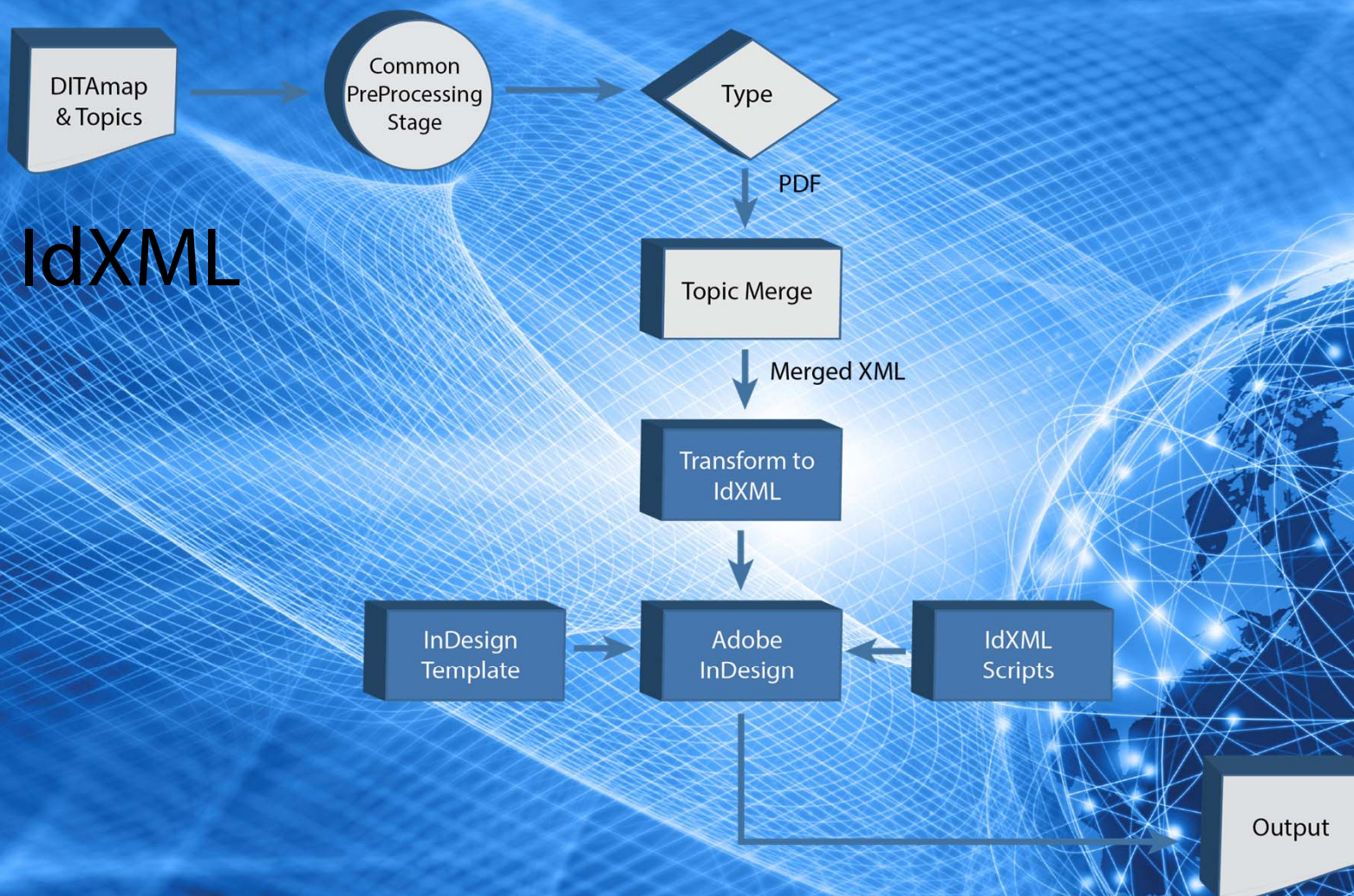
IdXML – DITA to Adobe InDesign

- Plug-in for the DITA Open Toolkit
- Allows the import of DITA content into InDesign



DITA Open Toolkit





idxml-brochure.ditamap [/Users/mark/Developer/Congility/IdXML/idxml-product-demos/brochure/content/idxml/idxml-brochure.ditamap] - oXygen/> XML Editor

XPath 2.0 •Execute XPath on 'Current File'

Project

idxml-product-demos.xpr

- idxml-product-demos.xpr
 - brochure
 - com.congility.idxml-brochures
 - content
 - ditaweb
 - idxml
 - out
 - temp
 - about-congility.dita
 - idxml-brochure.ditamap
 - intro.dita
 - keeping-control.dita
 - map-tags-to-styles.dita
 - product-logos-MASTER_IdXML+strapline-outlines-WHITE
 - sample-output.png
 - scripting.dita
 - services.dita
 - what-can-it-do.dita
 - what-is-idxml.dita
 - idxml-brochure-scripts
 - template
 - napatech
 - scribestar
 - thunderbird
 - setup.commands

The Master Files support is disabled

Enable [Read more](#)

Project Open/Find Re... DITA Maps Ma... DITAweb CMS..

Outline

Q Element name filter

map IdXML Brochure

- title "idVar:myTitle" IdXML Brochure
- topicmeta
- topicref "intro.dita"
- topicref "what-is-idxml.dita"
- topicref "map-tags-to-styles.dita"

map topicref

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE map PUBLIC "-//OASIS//DTD DITA Map//EN" "map.dtd">
3 <map>
4   <title outputclass="idVar:myTitle">IdXML Brochure</title>
5   <topicmeta>
6     <critdates>
7       <created date="24 March 2016"/>
8     </critdates>
9   </topicmeta>
10  <topicref href="intro.dita" outputclass="idStory:intro"/>
11  <topicref href="what-is-idxml.dita"/>
12  <topicref href="map-tags-to-styles.dita"/>
13  <topicref href="what-can-it-do.dita"/>
14  <topicref href="scripting.dita"/>
15  <topicref href="keeping-control.dita"/>
16  <topicref href="services.dita"/>
17  <topicref href="about-congility.dita" outputclass="idStory:about"/>
18 </map>
19
```

DITAweb Preview

Transformation Scenarios Elements Entities Attributes Model

intro.dita [/Users/mark/Developer/Congility/IdXML/idxml-product-demos/brochure/content/idxml/intro.dita] - <oXygen/> XML Editor

XPath 2.0 ▾ •Execute XPath on 'Current File' ▾

Project

idxml-product-demos.xpr ▾

- idxml-product-demos.xpr
 - brochure
 - com.congility.idxml-brochures
 - content
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 - sample-output.png
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 - what-is-idxml.dita
 - idxml-brochure-scripts
 - template
 - napatech
 - scribestar
 - thunderbird
 - setup.commands

idxml-brochure.ditamap x intro.dita x

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE topic PUBLIC "-//OASIS//DTD DITA Topic//EN" "topic.dtd">
3 <topic id="topic_hxd_fgn_kv">
4   <title>Keeping control over the design process</title>
5   <body>
6     <p>When design and flexibility is required to create an output there is nothing better than
7       getting a designer to do what they do best. IdXML helps designers work with complex DITA
8       content without compromising their creativity.</p>
9     <image href="product-logos-MASTER_IdXML+strapline-outlines-WHITE.eps" outputclass="idDrop: idImageVar:product-logo"/>
10    <image href="sample-output.png" outputclass="idDrop: idImageVar:product-image"/>
11  </body>
12 </topic>
13
```

The Master Files support is disabled

Enable [Read more](#)

Project Open/Find Re... DITA Maps Ma... DITAweb CMS...

Outline

Q~ Element name filter

topic "topic_hxd_fgn_kv" Keeping control over the design process

- title Keeping control over the design process
- body When design and flexibility is required to create an

idxml-brochure.ditamap [/Users/mark/Developer/Congility/IdXML/idxml-product-demos/brochure/content/idxml/idxml-brochure.ditamap] - <oxygen/> XML Editor

XPath 2.0 •Execute XPath on 'Current File'

Project

idxml-product-demos.xpr

idxml-product-demos.xpr

brochure

com.congility.idxml-brochures

content

ditaweb

idxml

out

temp

about-congility.dita

idxml-brochure.ditamap

intro.dita

keeping-control.dita

map-tags-to-styles.dita

product-logos-MASTER_IdXML+strapline-outlines-WHITE

sample-output.png

scripting.dita

services.dita

what-can-it-do.dita

what-is-idxml.dita

idxml-brochure-scripts

template

napatech

scribestar

thunderbird

setup.commands

The Master Files support is disabled

Enable [Read more](#)

Project Open/Find Re... DITA Maps Ma... DITAweb CMS...

Outline

Q Element name filter

map IdXML Brochure

title "idVar:myTitle" IdXML Brochure

topicmeta

topicref "intro.dita"

topicref "what-is-idxml.dita"

topicref "map-tags-to-styles.dita"

map topicref

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE map PUBLIC "-//OASIS//DTD DITA Map//EN" "map.dtd">
3 <map>
4 <title>
5 <topicref href="#"/>
6 <topicref href="#"/>
7 <topicref href="#"/>
8 </topicref>
9 </map>
10
11
12
13
14
15
16
17
18 </map>
19
```

Configure Transformation Scenario(s)

Q Type filter text

Association	Scenario	Type
<input type="checkbox"/>	DITA Map PDF	DITA OT
<input type="checkbox"/>	DITA Map PDF - WYSIWYG - Experimental	DITA OT
<input type="checkbox"/>	DITA Map WebHelp Responsive	DITA OT
<input type="checkbox"/>	DITA Map WebHelp Responsive with Feedback	DITA OT
<input type="checkbox"/>	DITA Map WebHelp Classic	DITA OT
<input type="checkbox"/>	DITA Map WebHelp Classic Mobile	DITA OT
<input type="checkbox"/>	DITA Map WebHelp Classic with Feedback	DITA OT
<input type="checkbox"/>	DITA Map XHTML	DITA OT
<input type="checkbox"/>	DITA Map EPUB	DITA OT
<input type="checkbox"/>	DITA Map CHM	DITA OT
<input type="checkbox"/>	DITA Map ODF	DITA OT
<input type="checkbox"/>	DITA Map RTF	DITA OT
<input type="checkbox"/>	DITA Map Eclipse Help	DITA OT
<input type="checkbox"/>	DITA Map Kindle	DITA OT
<input type="checkbox"/>	DITA Map MS Office Word (Experimental)	DITA OT
<input type="checkbox"/>	Run DITA OT Integrator	ANT
<input type="checkbox"/>	DITA Map Metrics Report	XSLT

Project (2)

<input checked="" type="checkbox"/>	idxml-brochure	DITA OT
<input type="checkbox"/>	idxml-brochure [DITA OT]	DITA OT

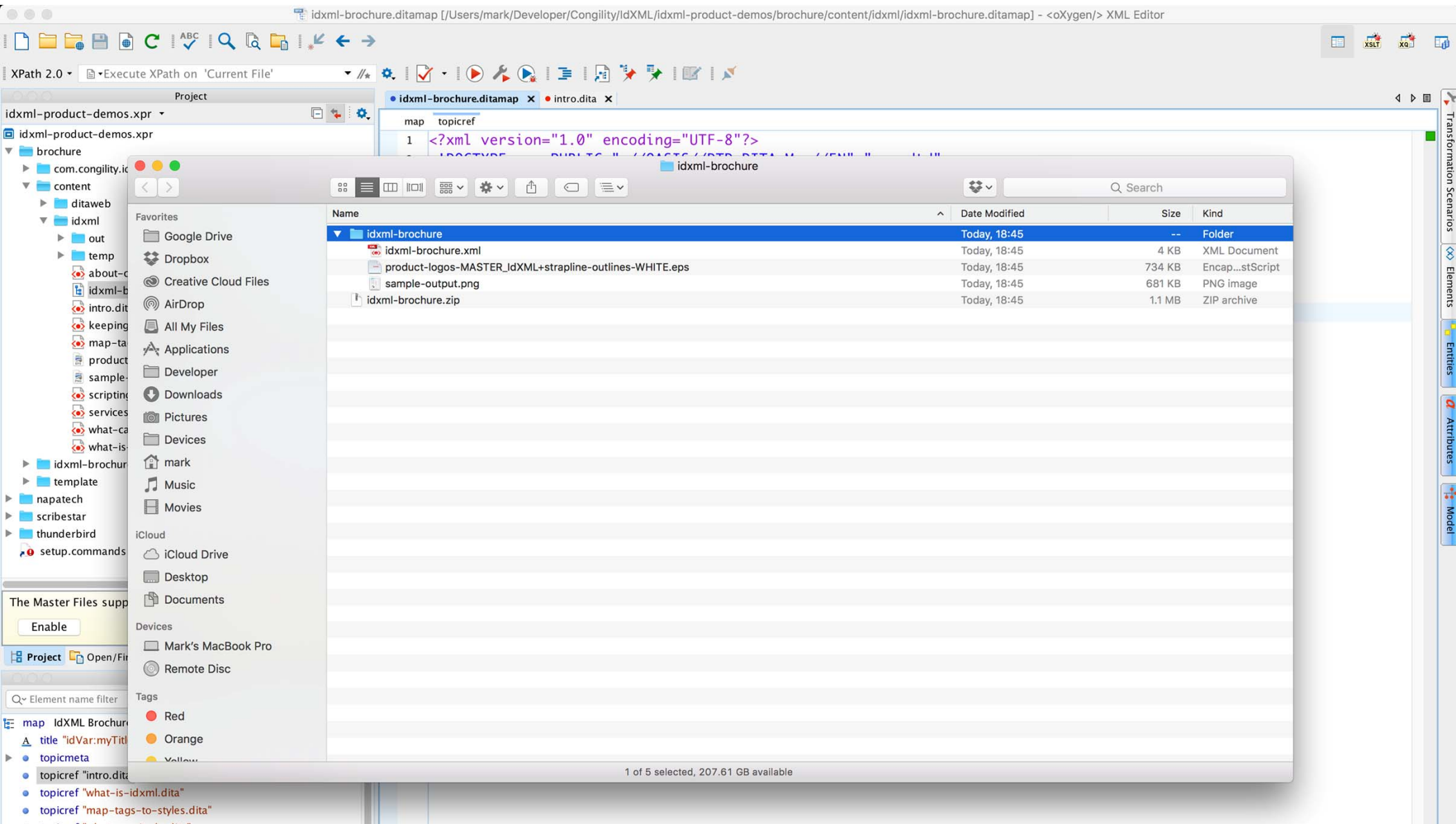
☐ Association follows selection

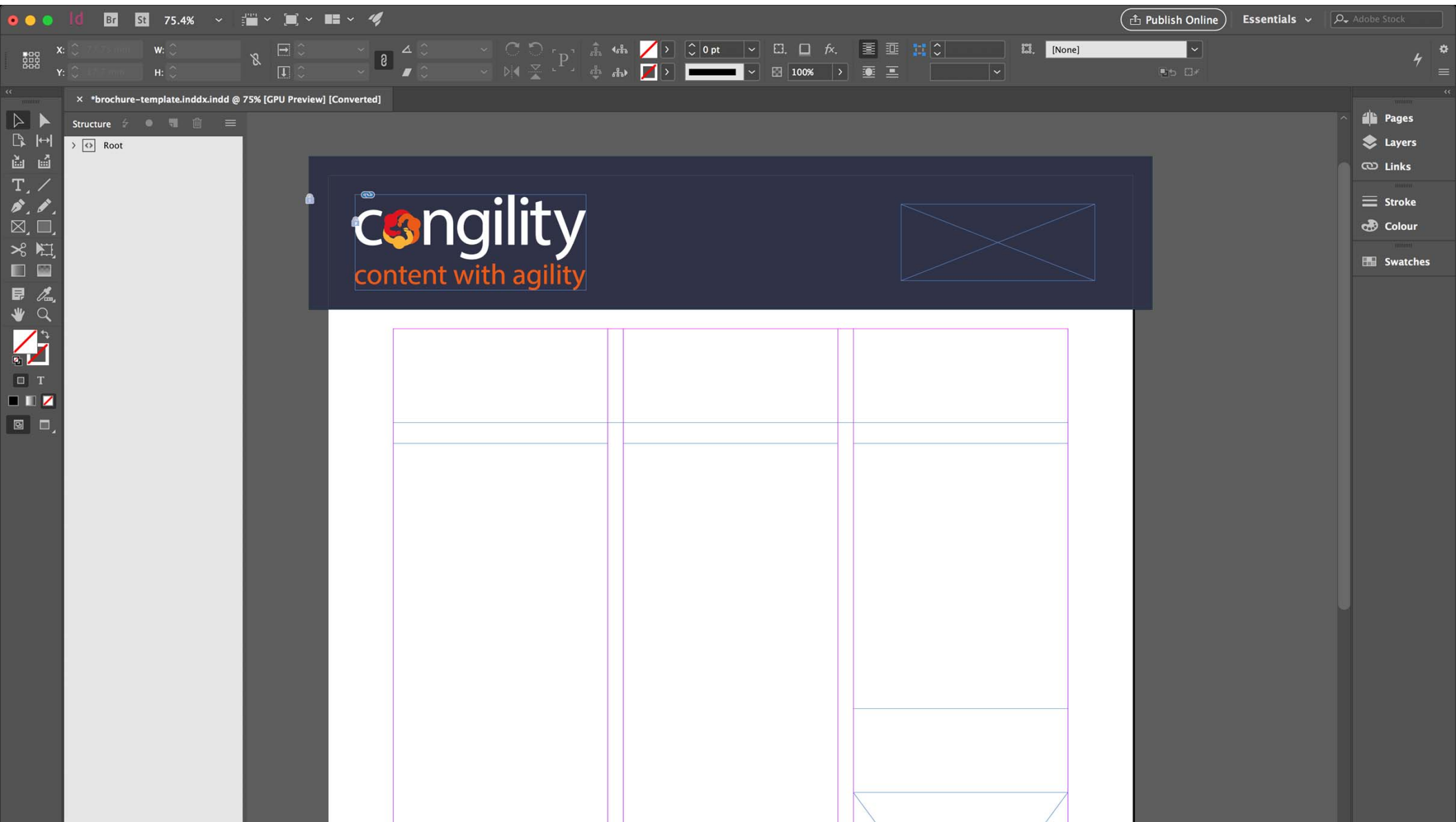
New Edit Duplicate Remove

Associated scenarios

idxml-brochure ✕

? Save and close Cancel Apply associated (1)





Adobe InDesign interface showing a brochure template layout. The top toolbar includes options for Publish Online, Essentials, and Adobe Stock. The left sidebar displays the Structure panel with a tree view of the document hierarchy, including variables like created, myTitle, product-image, product-logo, intro, intro-title, intro-paragraph, about, about-title, about-paragraph, and Story. The main content area features a dark blue header with the Congility logo and the IdXML logo. Below the header, the main text area is divided into three columns, each containing a section header and a paragraph of text.

Keeping control over the design process

When design and flexibility is required to create an output there is nothing better than getting a designer to do what they do best. IdXML helps designers work with complex DITA content without compromising their creativity.

What is IdXML

[dXML is a plugin for the DITA Open Toolkit that creates a simplified structured document ready to import into Adobe InDesign]

Designers often find it difficult to import complex DITA content into their templates, preferring a simplified XML that can be mapped to their specific, and often changing, designs. IdXML provides a more flexible approach allowing content to be mapped to one or more content "story" that can flow through an entire document. With support for text and image variables, content can be easily mapped to specific areas of a layout]

A benefit of this approach is that designers stay in control of their templates at all times.]

What can it do?

[Adobe InDesign can be used to create more than just printed output. It is also a powerful tool to create reflowable and fixed-layout ePubs, interactive PDFs, integrate with Adobe Digital Publication Solution and much more]

[Customers are using IdXML to create a variety of outputs from content within the DITA CCMS, including]

- [datasheets]
- [specifications]
- [pharmaceutical package inserts]
- [product user guides]
- [fixed layout ePubs]

Scripting

[Adobe ExtendScript provides a powerful scripting language to help automate the process of laying out a document. It can be used to create a variety of outputs from content within the DITA CCMS, including]

Keeping control

[Once content has been imported into Adobe InDesign designers can keep control over the layout of their work. If the source DITA content changes, an updated IdXML output can be reimported into an existing design without always having to start from scratch]

Services

[When needed Congility can help designers get started using IdXML. This might include assisting to prepare a template for use with IdXML, or to develop scripts to help automate certain processes.]

IdXML sample



SAFETY AND USABILITY

Vehicle has an optional retarder and front axle suspension system, which improve safety, driving comfort and increases component lifetime. The suspension system reduces vibration from wheels to the cabin, improves handling of the vehicle and gives efficiency and speed to the vehicle usage, with respectable safety and comfort for the driver and the passenger.

Normet's FOPS and ROPS approved safety cabin provides superior visibility and comfortable compartment for the driver and the passenger. The cabin is designed for safe and easy entry and exit, door openings are wide and handrails and non-slip steps are correctly positioned. Cabin controls are easy and ergonomic to use, and the multifunctional display (MID) provides driving information (speed, RPM, temperatures, safety warnings & alarms etc.), which can be recorded for further analysis. Enclosed cabin provides noise level < 75 dB ensuring safe and comfortable driving.



Normet equipment has extremely reliable 24VDC electric system, which is designed for harsh underground environment. Electric system consist self-extinguishing wire harnesses with tinned wires and water tight conduits. In addition all electrical components are rated at least IP65 class.

Hydraulic system is very simple and easy to maintain. For ensure oil cleanliness, hydraulic oil tank is fitted with filtered breather, return oil filtration and proper sized service hatch.

IdXML

- Advantages
 - Complete control over the final appearance
 - Designers can still design
 - Once created templates can be reused

IdXML

- Disadvantages
 - Additional cost
 - Configuration and mapping required which can be complex
 - Need good understanding of InDesign
 - Potential for someone to alter the content in InDesign once imported

Conclusion

- For a long time XSLT was the only option for DITA to PDF
- Now there is a choice of tools that can improve the look and feel of the finished product
 - Further strengthening the argument for DITA

The background of the slide is a deep blue with a complex, abstract pattern of glowing white lines. These lines form a grid-like structure that curves and flows across the frame. On the right side, there is a silhouette of a globe, also covered in these glowing network lines, suggesting a global or digital theme. A bright, circular light source is positioned in the center-right, creating a lens flare effect.

Questions?

Thank you

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 zzRikzz 

www.bluestream.com