



# What is New in Oxygen XML Web Author 26.1



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## About us

- Who are we?
  - [oxygenxml.com](http://oxygenxml.com)
- What do we do?
  - create XML-related solutions (for over 20 years)
  - (full spectrum, from editing to publishing)



## Prerequisite knowledge (ideal, not mandatory)

- Extensible Markup Language (XML)
  - at least basic syntax rules.
- Darwin Information Typing Architecture (DITA)
  - at least the concepts of map, topic and topicref
- Oxygen Framework (Oxygen Document Type)
  - at least the concept of document type customization

# Agenda

- Authentication
- Styles Inspector
- DITA Profiling
- DITA Project
- Oxygen AI Positron

# About Web Author (1)

- Oxygen XML Web Author (Web Author) handles XML complexity for you.

```

1 <?xml version='1.0' encoding='UTF-8'?>
2 <!DOCTYPE topic PUBLIC "-//OASIS//DTD DITA Topic//EN" "topic.dtd">
3 <topic id="gardenia">
4   <title>Gardenia</title>
5   <body>
6     <p><i>From Wikipedia, the free encyclopedia.</i></p>
7     <p><b>Gardenia</b><indexterm>flowers</indexterm>summer<indexterm>gardenia</indexterm></indexterm></indexterm>
8     is a <xref keyref="genus" format="dita">genus</xref> of about
9     <oxy_comment_start author="Mary" timestamp="20220208T073505+0000" comment="&quot;John&quot;; could you
10    verify the number is correct?>>250<oxy_comment_end?>
11    species of flowering plants in the coffee family, <b>Rubiaceae</b>, native to the tropical and subtropical
12    regions of Africa, southern Asia, Australasia and Oceania. Several species occur on
13    <oxy_insert_start author="Mary" timestamp="20190213T115708+0000">the island of
14    <oxy_insert_end?>Hawaii, where gardenias are known as
15    <i>na'u</i><oxy_delete author="Mary" timestamp="20190213T115732+0000" content=" or
16    &lt;i&gt;nanu&lt;/i&gt;".</p>
17    <img alt="Gardenia flower" data-bbox="515 715 685 735"/>
18    <p>The genus was named by
19    <oxy_comment_start author="Tom" timestamp="20190213T115921+0000" comment="Someone should double-check these
20    facts." id="hvs_k4x_tgb">><oxy_comment_start author="Mary" timestamp="20190213T120035+0000" comment="I will ask John to
21    check this." parentID="hvs_k4x_tgb" mid="2">><oxy_comment_start author="John" timestamp="20190213T120047+0000"
22    comment="I checked the facts and they are correct." parentID="hvs_k4x_tgb" mid="1">>Carl
23    Linnaeus after Dr. Alexander Garden (1730-1791), a Scottish-born American
24    naturalist<oxy_comment_end mid="1">><oxy_comment_end mid="2">><oxy_comment_end?></p>
25    <p>They are evergreen shrubs and small trees growing to 1-15 metres (3.3-49 ft) tall. The
26    leaves are opposite or in whorls of three or four, 5-50 centimetres (2.0-20 in) long and
27    3-25 centimetres (1.2-9.8 in) broad, dark green and glossy with a leathery texture. The
28    flowers are solitary or in small clusters, white, or pale yellow, with a tubular-based
29    corolla with 5-12 lobes (petals) from 5-12 centimetres (2.0-4.7 in) diameter. Flowering
30    is from about mid-spring to mid-summer and many species are strongly scented.</p>
  
```

# About Web Author (2)


- Web Author UI:

The screenshot displays the Oxygen XML Web Author interface. The main editor shows a document titled "gardenia.dita" with the following content:

**Gardenia**

*From Wikipedia, the free encyclopedia.*

**Gardenia** (*flowers(summer(gardenia))*) is a [genus](#) of about 250 species of flowering plants in the coffee family, **Rubiaceae**, native to the tropical and subtropical regions of Africa, southern Asia, Australasia and Oceania. Several species occur on [the island of Hawaii](#), where gardenias are known as [naʻu or nani](#).



The genus was named by Carl Linnaeus after Dr. Alexander Garden (1730–1791), a Scottish-born American [naturalist](#).




They are evergreen shrubs and small trees growing to 1–15 metres (3.3–49 ft) tall. The leaves are opposite or in whorls of three or four, 5–50 centimetres (2.0–20 in) long and 3–25 centimetres (1.2–9.8 in) broad, dark green and glossy with a leathery texture. The flowers are solitary or in small clusters, white, or pale yellow, with a tubular-based corolla with 5–12 lobes (petals) from 5–12 centimetres (2.0–4.7 in) diameter. Flowering is from about mid-

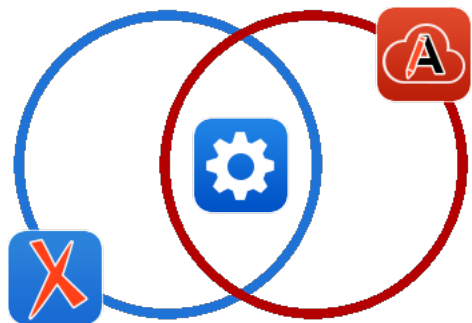
On the right side, there is a "Review" panel with a list of comments:

- Mary** (Feb 8, 2022): @John, could you verify the number is correct?
- Mary** (Feb 13, 2019): [the island of](#)
- Mary** (Feb 13, 2019): [er-nani](#)
- Tom** (Feb 13, 2019): Someone should double-check these facts.
- Mary** (Feb 13, 2019): I will ask John to check this.

At the bottom of the review panel, there are "Accept All" and "Reject All" buttons.

## Oxygen XML Author vs. Oxygen XML Web Author

-  Oxygen XML Author = desktop app
-  Oxygen XML Web Author = web app
-  both share Oxygen SDK



## How to open a document in Web Author?

- by using Web Author's file browser:
  1. open Web Author
  2. connect to the files server (e.g. GitHub, Alfresco, etc.)
  - 3. browse and open the file
- by following a link:
  - auto-generated Web Author edit links with Oxygen WebHelp
  - generate edit links for your custom editing workflow



# Web Author Connectors

The screenshot shows the Oxygen XML Web Author dashboard. At the top, there is a navigation bar with the Oxygen logo, the word "Dashboard", a "Try Web Author On-Premise" button, and language settings (EN). Below the navigation bar is a row of icons for "Samples", "GitHub", "Bitbucket", "GitLab", "Dropbox", "SharePoint", and "More...".

The main content area is titled "Connectors available with an on-premise installation". Below this title, it states: "Oxygen XML Web Author provides additional server connectors for various other types of file repositories:".

The connectors are organized into two categories:

- Enterprise Content Management:**
  - SharePoint Server (SharePoint icon)
  - Alfresco (Alfresco logo)
  - IBM FileNet (FileNet logo)
- Versioning Systems:**
  - GitHub Enterprise (GitHub icon)
  - GitLab self-managed (GitLab icon)
  - Bitbucket Server (Bitbucket icon)
  - Git (Git icon)
  - Perforce Helix (Perforce icon)
  - WebDav (Folder icon with globe)

At the bottom of the dashboard, there is a footer with the text: "Oxygen XML Web Author · Privacy Policy · EULA".

# Security

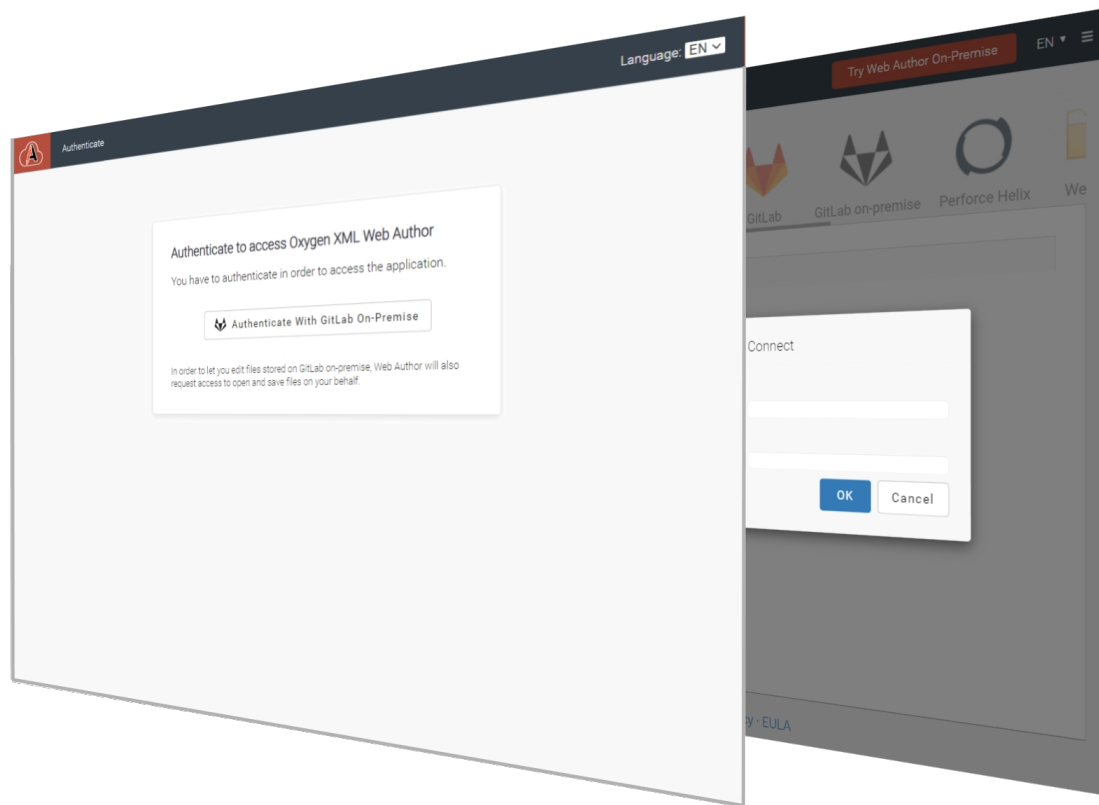
## Web Author Security

- Many built-in security features
- Some of them requires manual activation
- See Security section from Administration page

## Application Authentication (1)

- Application Authentication is optional
- Authentication vs Authorization vs Connection
- Default just authorization & connect happens
- Application Authentication = just authenticated users can use the application
- Why?
  - enhanced security (DOS)
  - use together with application account

## Application Authentication (2)



# Application Authentication Demo



# Author mode - Inspect Styles

## Inspect Author-mode Rendering

- Author mode is based on CSS
- Context menu → About Element → Inspect Styles
- See also More → Choose Styles action



# CSS Inspector (1)

The screenshot displays the Oxygen XML Web Author 26.1 interface. At the top, the title bar shows the application icon, navigation icons (download, back, forward, search, undo, redo, ABC), and the file name "DEMOjte1-8-eide-source.xml". A "Try Web Author On-Premise" button is located on the right side of the title bar. Below the title bar is a toolbar with various editing and navigation icons.

The main workspace is divided into several panes. On the left, there is a document tree pane showing a list of elements. The central pane displays XML content with a context menu open over a selected element. The context menu includes options such as "Add Comment...", "Edit Attributes...", "Insert Element...", "Select", "Paste special...", "Folding", "Rename Element...", "Delete Element Tags", "About Element", and "Inspect Styles". The "Inspect Styles" option is highlighted, and a tooltip is visible over it, providing information about the present tag set for the selected element.

On the right side of the workspace, there is a vertical toolbar with icons for various tools, including a magnifying glass icon. Below the main workspace, there is a status bar with a "quote" button and a navigation arrow.

# CSS Inspector (2)

The screenshot shows the Oxygen XML Web Author interface. At the top, there is a toolbar with various icons and a file name 'DEMOjte1-8-eide-source.xml'. A 'Try Web Author On-Premise' button is visible in the top right. The main content area displays a document with two numbered paragraphs (4 and 5) discussing TEI P4 and P5 changes regarding the representation of names and entities. A quote is highlighted in yellow. To the right, the 'CSS Inspector' panel is open, showing a tree view of the document structure (TEI > text > body > div > p > cit > quote) and the CSS rules for the selected 'quote' element. The CSS rules are:

```

edit.css:258
cit > quote {
  display: block;
  position: relative;
  background-color: rgb(255 , 250 , 240);
  margin-top: 1em;
  margin-bottom: 1em;
  margin-left: 2em;
  padding-left: 22px;
  padding-right: 22px;
}

jte1.css:161
cit > quote {
  display: block;
  margin-bottom: 0.5em;
  font-size: 90%;
}

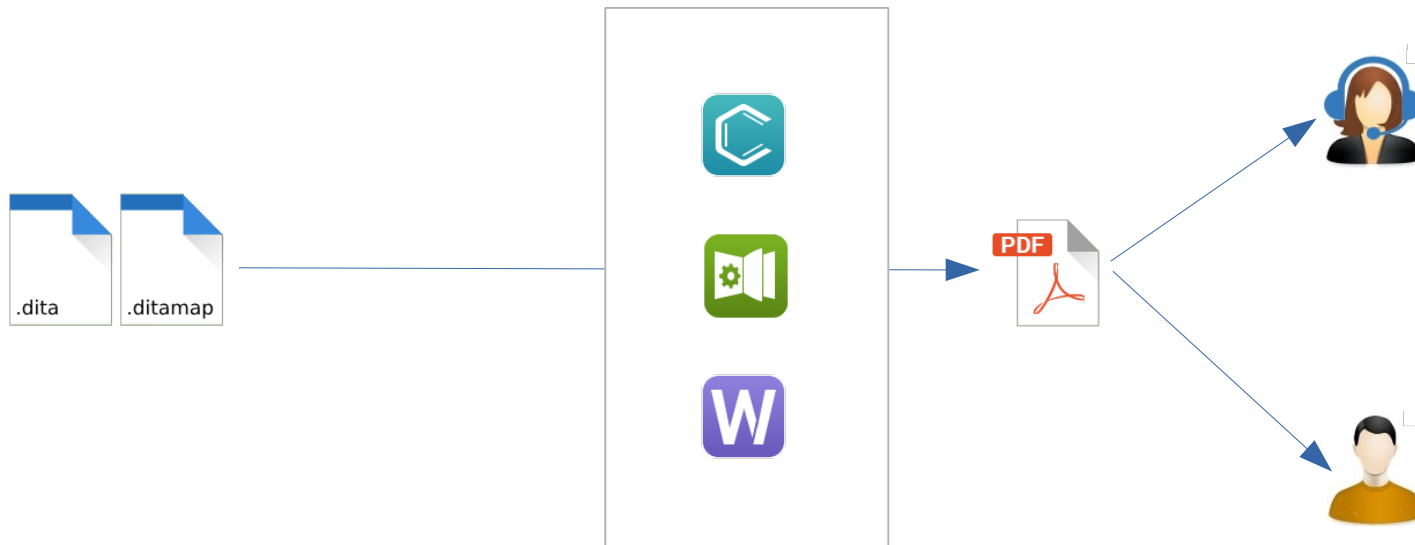
jte1.css:161
cit > quote {
  display: block;
  margin-bottom: 0.5em;
  font-size: 90%;
  }
    
```

# CSS Inspector Demo

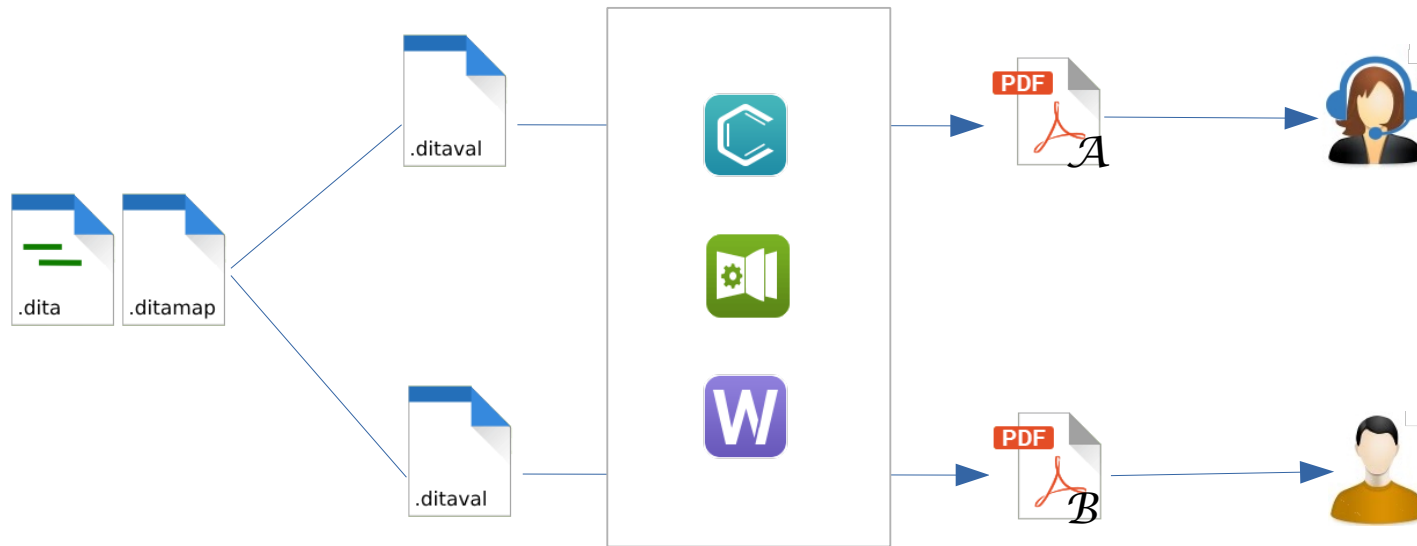


# DITA

# DITA Without Profiling

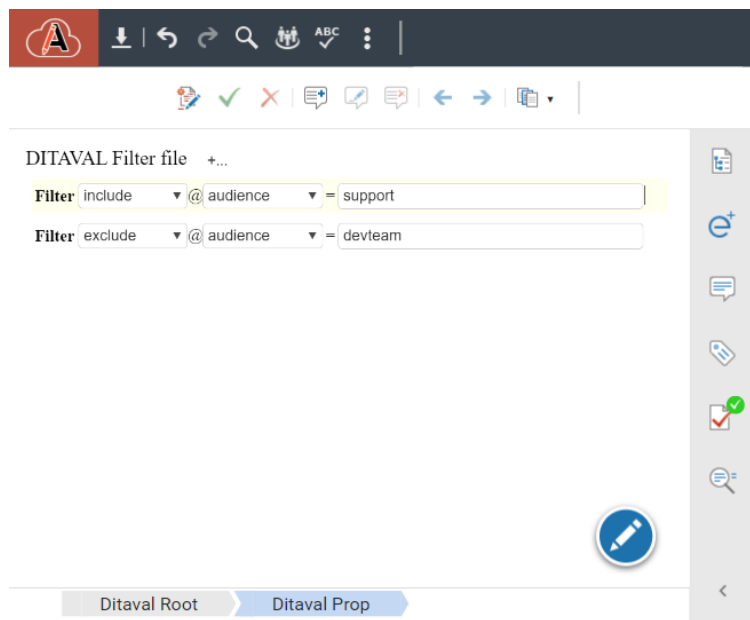


# DITA With Profiling

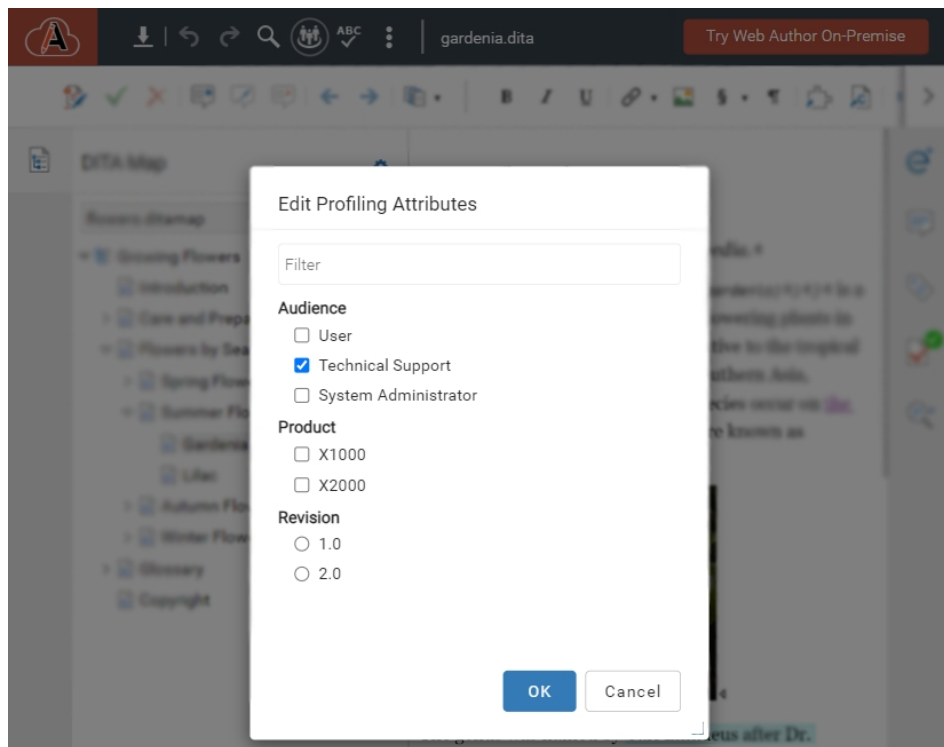


# DITAVAL

- Specifies to exclude or include content based on profiling attributes values

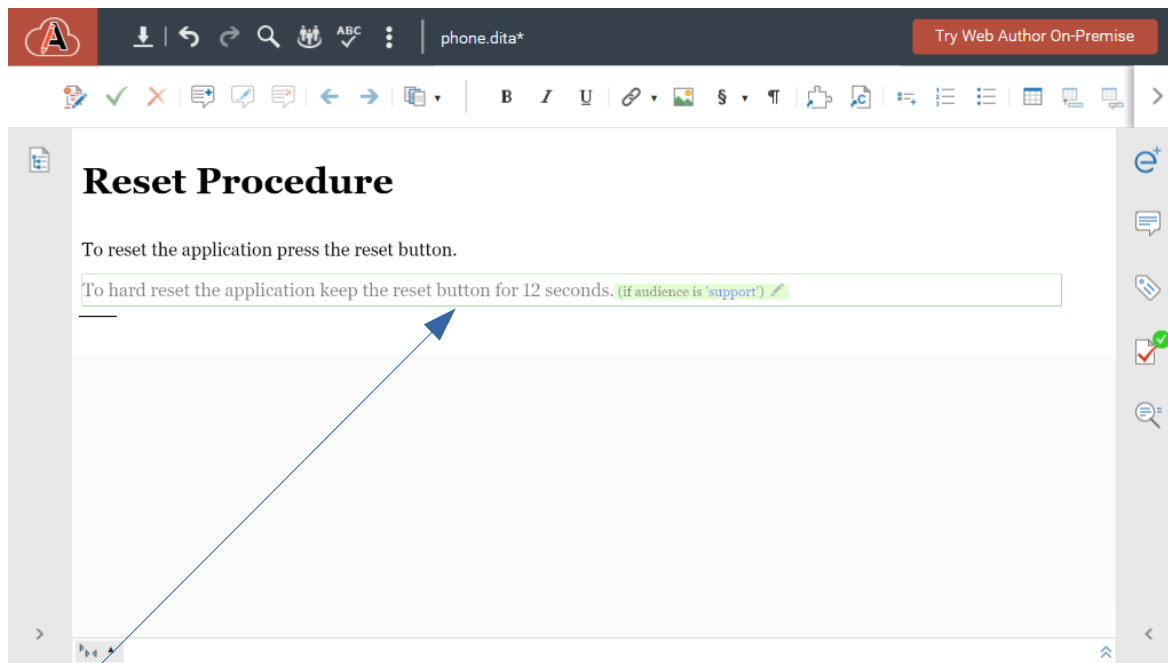


# Edit Profiling Attributes Dialog

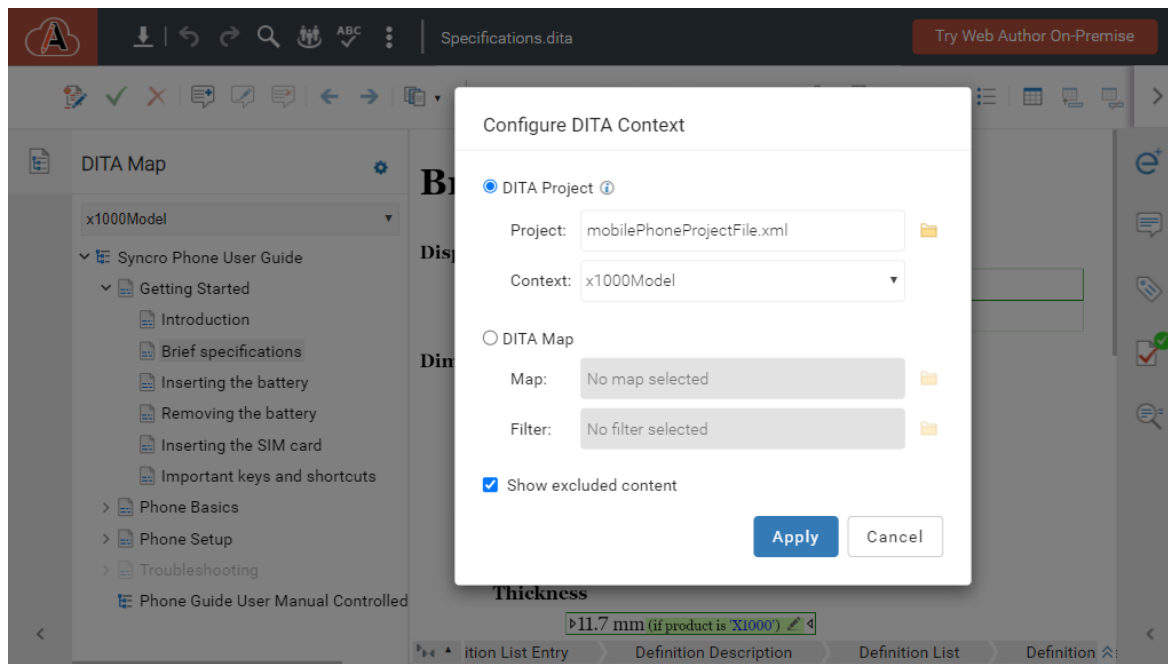




# DITA Profiling Visualization

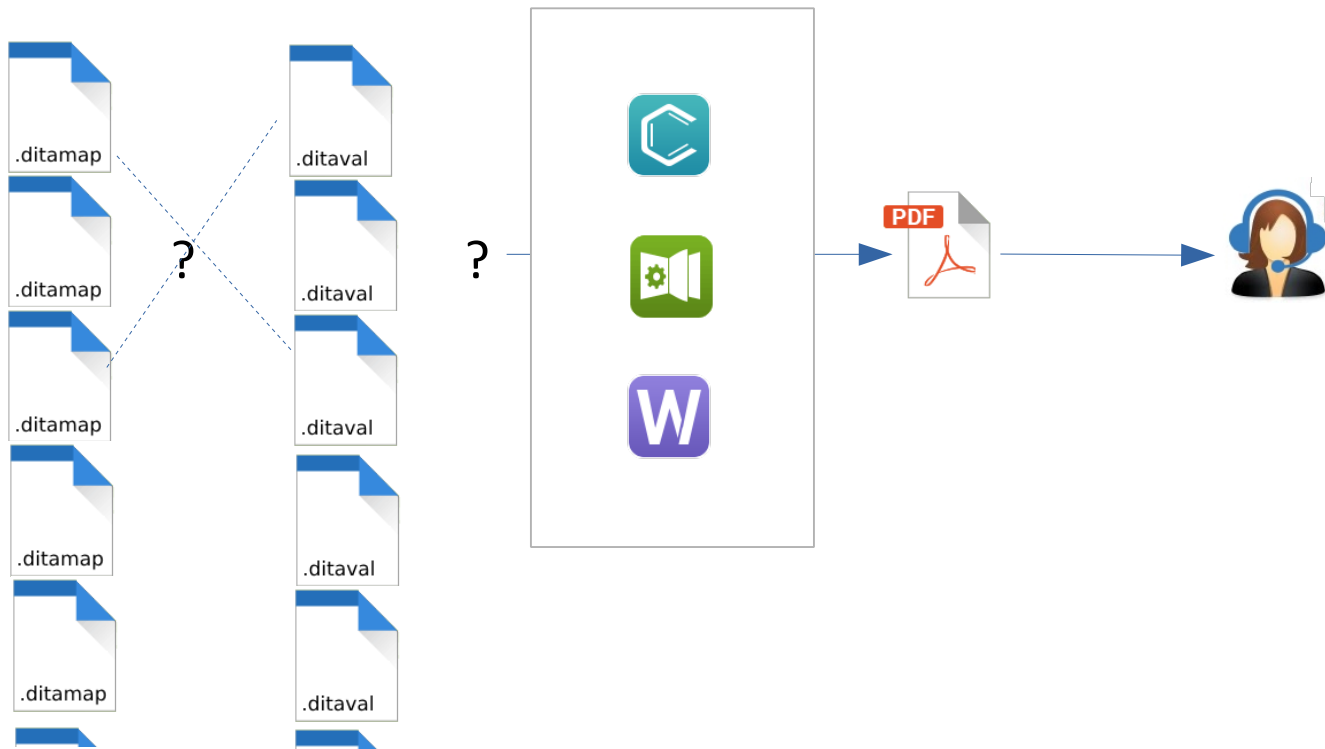


# Configure DITA Context Dialog



# The Challenge

Pick the proper Map and the DITAVAL for a specific publication.



## The Solution (1)

- DITA-OT Project file



# The Solution (2)

- DITA-OT Project file



**DITA Project file**

- context : **for-end-user** [for-end-user-id]
  - input : user-manual.ditamap
  - profile : ditaval/end-user.ditaval 4
- context : **for-support** [for-support-id]
  - input : root.ditamap
  - profile : ditaval/support.ditaval 4
- deliverable : **Support Manual in PDF** [supportManual]
  - context : #for-end-user-id
  - output : ./support-manual.pdf
  - publication : transform to pdf
- deliverable : **User Manual in PDF** [userManual]
  - context : #for-end-user-id
  - output : ./user-manual.pdf
  - publication : transform to pdf

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="https://www.dita-ot.org/project">
3
4   <context name="for-end-user" id="for-end-user-id">
5     <input href="user-manual.ditamap"/>
6     <profile>
7       <ditaval href="ditaval/end-user.ditaval"/>
8     </profile>
9   </context>
10  <context name="for-support" id="for-support-id">
11    <input href="root.ditamap"/>
12    <profile>
13      <ditaval href="ditaval/support.ditaval"/>
14    </profile>
15  </context>
16
17  <deliverable name="Support Manual in PDF" id="supportManual">
18    <context idref="for-end-user-id"/>
19    <output href="./support-manual.pdf"/>
20    <publication transtype="pdf"/>
21  </deliverable>
22
23  <deliverable name="User Manual in PDF" id="userManual">
24    <context idref="for-end-user-id"/>
25    <output href="./user-manual.pdf"/>
26    <publication transtype="pdf"/>
27  </deliverable>
28 </project>
    
```

## DITA-OT Project File

- DITA-OT Project file defines contexts
- Context = DITA Map + DITAVAL

## The Solution (3)

- DITA-OT Project file



## DITA Demo





## DITA-OT Project file in Content Fusion

- Leverage the use of DITA-OT Project file with  **Content Fusion**.



AI

# Oxygen AI Positron (1)

- What?
  - Solution that supports technical documentation writers with AI right from the editor
  - Integrates with:
    - Oxygen XML Editor
      - Oxygen AI Positron Assistant add-on
      - Oxygen AI Positron Assistant Enterprise add-on
    - Oxygen XML Web Author
      - Oxygen AI Positron Assistant Enterprise plug-in
    - Oxygen Content Fusion
      - Oxygen AI Positron Assistant Enterprise plug-in

## Oxygen AI Positron (2)

- Why?
  - Enhances productivity - seamless integration between AI and editing tool
  - You are in control – Oxygen Diff/Merge
  - Fine-tuned actions
  - Refines response

# Oxygen AI Positron (3)

- Oxygen AI Positron in Web Author.

The screenshot displays the Oxygen XML Web Author interface. The main content area shows a document titled "Various Correct Grammar Samples" with several paragraphs of text. On the right side, the "AI Positron Assistant" panel is open, showing a list of actions and a detailed view of the AI Positron action. The AI Positron action is selected, and its details are shown, including the XML path and the corrected text. The corrected text is: "That movie affected me greatly. When you get done with that lab report, can you send it to Bill and I? We both think it's to cold outside. Who's sweater is that? My dinner was better then yours. There dog ate my shoes. She are happy. She ate cereal, because she was hungry. I like flying, my coworkers and my dog. Johns dad is an astronaut. On friday sarah went to germany. Sharon and Sue, went into the office early yesterday, to complete a project. Kendall and Colin are going to see if there test results are back. Its a lovely day for a picnic."

The AI Positron Assistant panel shows the following details for the selected action:

- Me**: Correct Grammar. Correct the grammar and spelling of the selected content.
- AI Positron**:
  - id="other\_correct\_grammar\_samples"
  - title="Various Correct Grammar Samples"
  - body="That movie affected me greatly. When you get done with that lab report, can you send it to Bill and me? We both think it's too cold outside. Whose sweater is that? My dinner was better than yours. Their dog ate my shoes. She is happy. She ate cereal because she was hungry. I like flying, my coworkers, and my dog. John's dad is an astronaut. On Friday, Sarah went to Germany. Sharon and Sue went into the office early yesterday to complete a project. Kendall and Colin are going to see if their test results are back. It's a lovely day for a picnic."

At the bottom of the AI Positron Assistant panel, there is a "Send" button and a message input field: "Send a message to the AI platform." Below the panel, a status bar indicates "The answers are AI-generated."

# Preview AI Response

- Preview AI response with Web Author Merge tool.

The screenshot displays the Oxygen XML Web Author interface. A 'Preview' dialog box is open, comparing 'Your version' and 'Proposed changes' for a document titled 'Various Correct Grammar Samples'. The dialog shows a table of text corrections:

Your version	Proposed changes
That movie <b>effected</b> me greatly.	That movie <b>affected</b> me greatly.
When you get done with that lab report, can you send it to Bill and I?	When you get done with that lab report, can you send it to Bill and me?
We both think it's too cold outside.	We both think it's <b>too</b> cold outside.
Who's sweater is that?	Whose sweater is that?
My dinner was better <b>then</b> yours.	My dinner was better <b>than</b> yours.
There dog ate my shoes.	Their dog ate my shoes.
She are happy.	She is happy.
She ate cereal, because she was hungry.	She ate cereal because she was hungry.
I like flying, my coworkers and my dog.	I like flying, my coworkers, and my dog.
Johns dad is an astronaut.	John's dad is an astronaut.
On friday sarah went to germany.	On Friday, Sarah went to Germany.
Sharon and Sue, went into the office early yesterday, to complete a project.	Sharon and Sue went into the office early yesterday to complete a project.
Kendall and Colin are going to see if their test results are	Kendall and Colin are going to see if their test results are

At the bottom of the dialog are 'Apply Proposed Changes' and 'Cancel' buttons. In the background, the 'AI Positron Assistant' sidebar is visible, showing a list of actions and a preview of the AI-generated XML response for the selected content.

## Oxygen AI Positron Assistant Enterprise (1)

- Connect to your server of OpenAI, Microsoft Azure or Anthropic Claude.
- Use custom AI models.

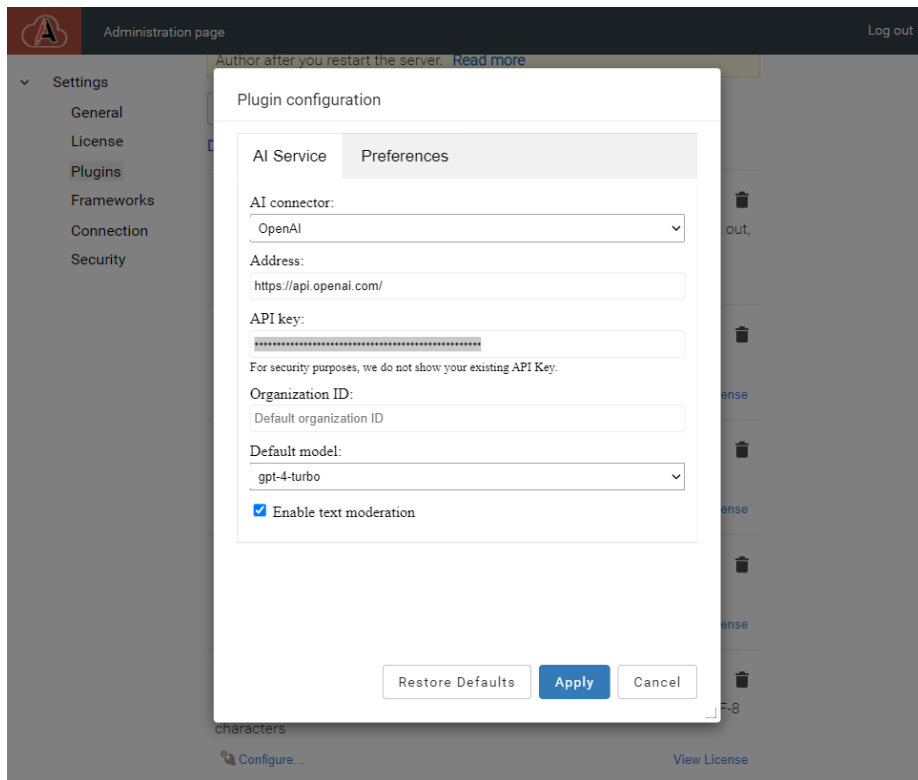
## Oxygen AI Positron Assistant Enterprise (2)

- Everything is under your control.
  - You have the Web Author server
  - You have the Positron plug-in
  - You have/choose the AI server



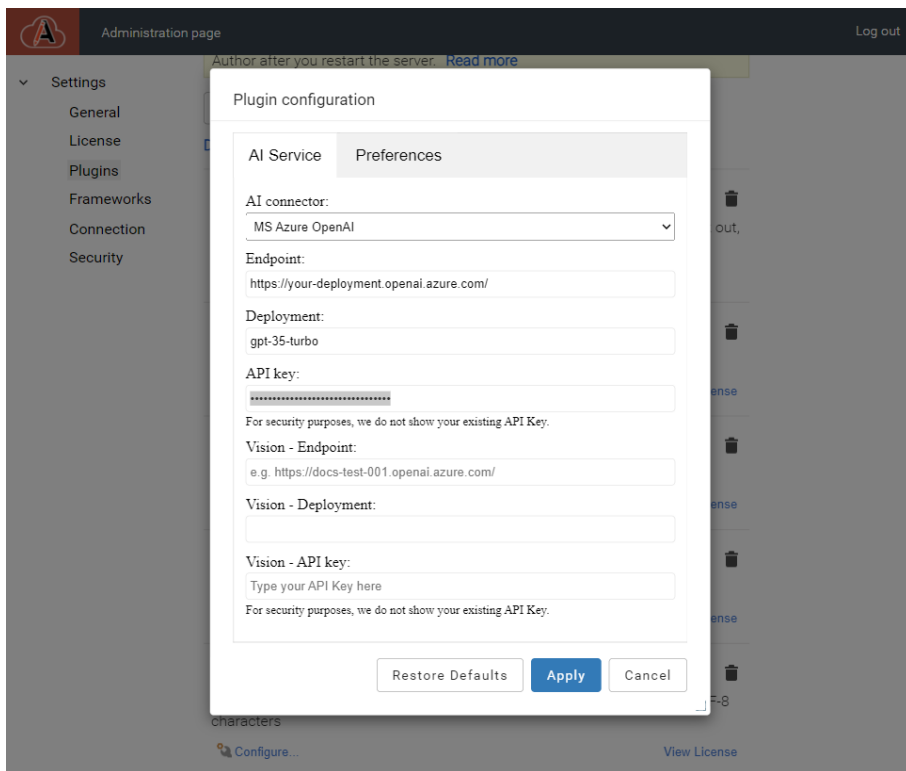
# Oxygen AI Positron Assistant Enterprise Configuration (1)

- OpenAI configuration:



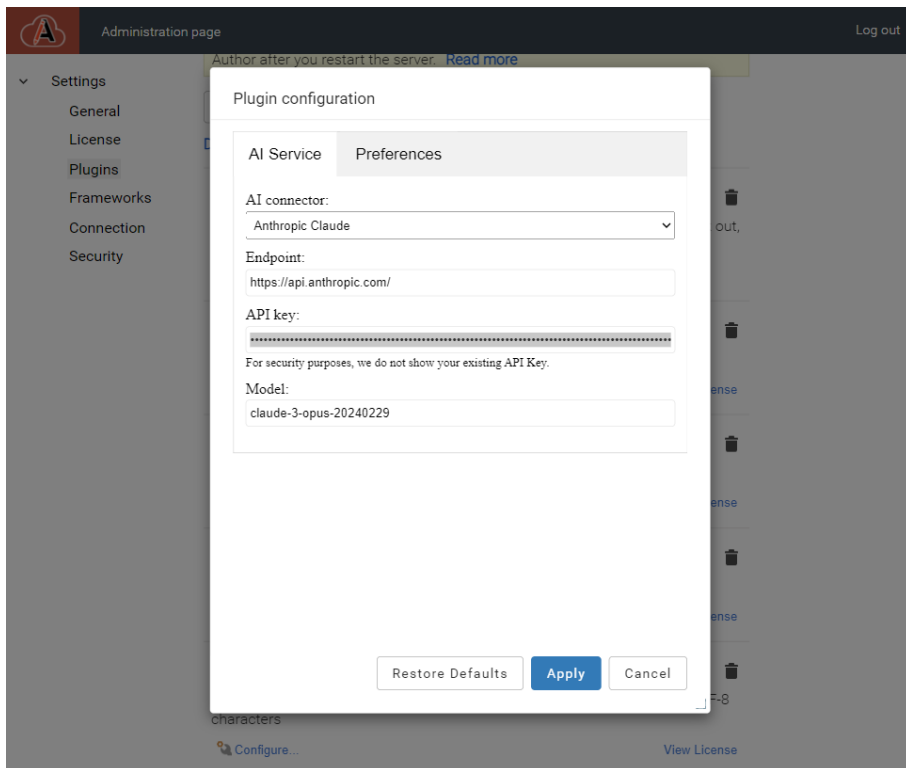
# Oxygen AI Positron Assistant Enterprise Configuration (2)

- MS Azure configuration:



# Oxygen AI Positron Assistant Enterprise Configuration (3)

- Anthropic Claude configuration:



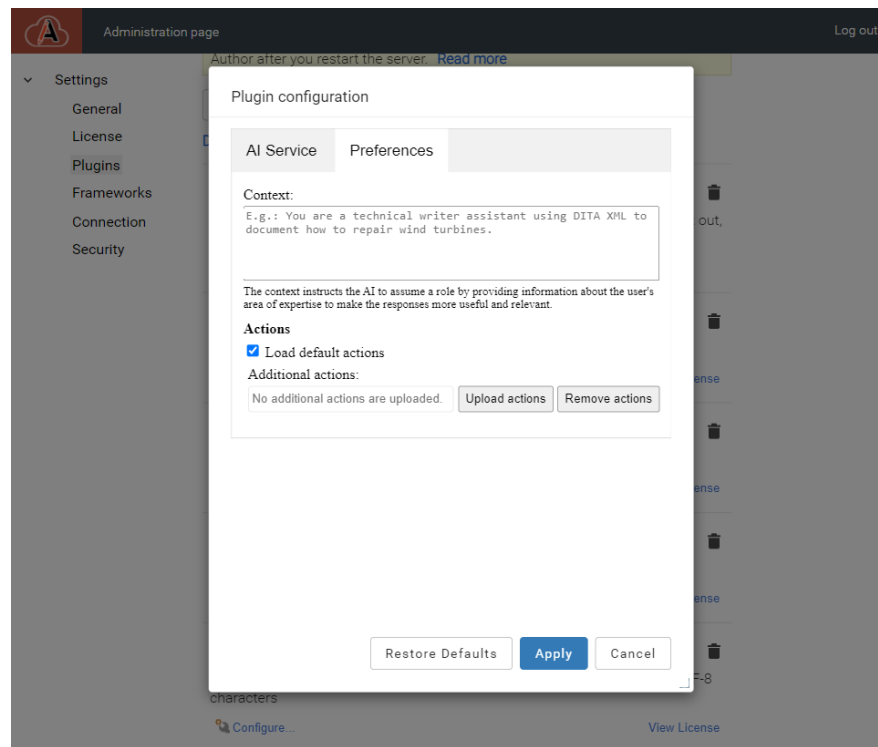
# Oxygen AI Positron Assistant Enterprise Configuration (4)

- Define custom actions:

```

Code Blame
Raw Copy Download Edit

1  [ {
2    "id": "replace.bold.with.uicontrol",
3    "title": "Replace bold with uicontrol",
4    "input-type": "markup",
5    "type": "replace-selection-with-fragment",
6    "context": "Find where the bold element (<b>) has been used to mark up UI elements and change those instances by replacing t
7    "examples": [ {
8      "prompt": "<b>Run</b>",
9      "completion": "<uicontrol>Run</uicontrol>"
10   },
11   {
12     "prompt": "text1 <b>Run</b> text2",
13     "completion": "text1 <uicontrol>Run</uicontrol> text2"
14   }
15 ] ]
  
```



## Oxygen AI Positron Demo

- See [github.com/oxygenxml-incubator/ai-positron-assistant-samples](https://github.com/oxygenxml-incubator/ai-positron-assistant-samples)



# THANK YOU!

**Any questions?**

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