

Docs about the docs DITA map

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oXygen and DITA in the process of documentation

Why oXygen and DITA in the process of documentation

Oxygen XML Editor is a very easy tool to understand and requires just a few weeks of practice to make anyone a pro in it. I use oXygen XML editor during my studies to generate documentation. It is the only XML tool that supports all of the XML schema languages and provides a large variety of powerful tools for editing and publishing XML documents. This tool allows the users to create their own *master pages*, *style sheets*, *PDF files*, HTML output and many more which generates an output of the document. Below I present the output you will be able to create after reading this User guide.

DITA is the open-source publishing engine for content authored in the *Darwin Information Typing Architecture*. DITA is responsible for structuring, developing, managing, and publishing content. Oxygen XML Editor makes it easy to create, edit, manage, and publish DITA content, but it requires at least some basic DITA knowledge.

DITA is divided into two main units of authoring: topics and maps.

DITA TOPICS

DITA topics are the basic units of DITA content. Each topic should be organized around a single subject.

DITA MAPS

Maps organize topics for output to a specific deliverable, including generating navigation files and links to related topics.

Table 1: DITA TOPICS

DITA TOPICS TYPES	What are they good for?
Concept Topic	Good for background information, explaining about something , product description, instructions and definitions
Task Topic	Good for step-by-step instructions, any procedural instructions
Reference Topic	Good for specifications about the subjects, tables, bulleted list.
Glossentry Topic:	Good for defining tems

Below you see the final output you are expected to create

Tools installation

To write documentation you need to install the tools

Go to <https://www.oxygenxml.com/> and download the installer. Click on **Resources** on the *Web Toolbar* and **Download** oXygen XML Editor. Oxygen XML Editor is available on Windows, Linux, and macOS. Choose the right system.

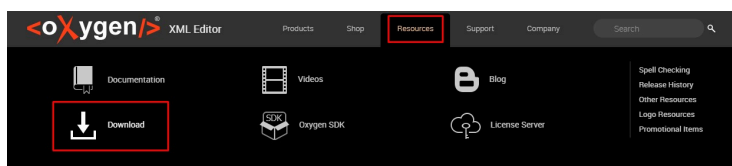


Figure 1: oXygen installation

Run the installer and follow the instructions in the installation program. Find the icon on the desktop and run the oXygen XML Editor.

You can download Oxygen XML Editor and test it for free for 30 days but you have to complete the form on https://www.oxygenxml.com/xml_editor/register.html and your 30-day trial license will be emailed to you. You must insert a valid non-disposable email address to receive a *license key*.

When you launch Oxygen XML Editor for the first time, you are greeted with a **Welcome dialog box**. It presents upcoming events, useful video demonstrations, helpful resources, the tip of the day, and also gives you easy access to recently used files and projects and to create new ones.

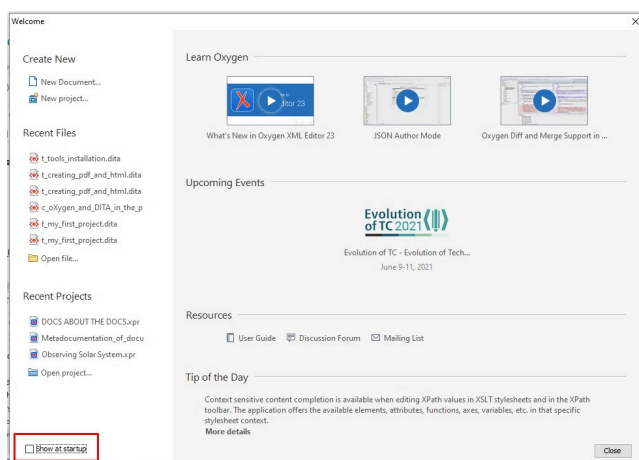


Figure 2: Welcome box

If you do not want it to be displayed every time you launch Oxygen XML Editor, deselect the **Show at startup** option in the bottom-left corner of the dialog box. To display it any time, go to **Help > Welcome**.

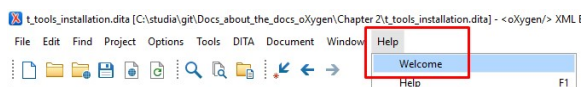


Figure 3: Display Welcome box

Creating *Concept Topic*

This section shows how to create a new file *Concept Topic* in oXygen tool.

To create *Concept Topic* right-click on the *Project Folder* (created at the beginning) for options and select **New** → **File** → **Concept**. Now add a **Title** of the *Concept file* and **File name**. Click **Create** button.



Note: When name the **File name** add 'c_' at the beginning of **File name**. 'c_' means **Concept**. It helps to know which topic is for concept 'c_'.

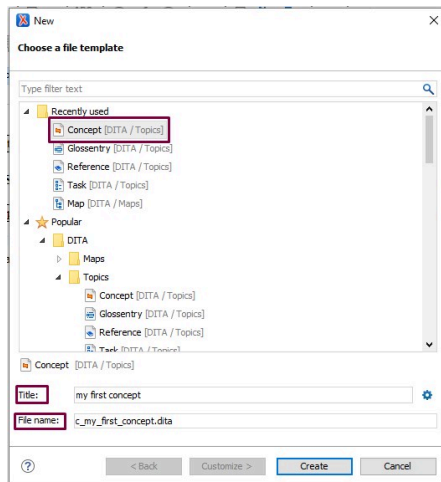


Figure 4: Creating Concept Topic

Below you see the *File editor* in oXygen where you write your content.

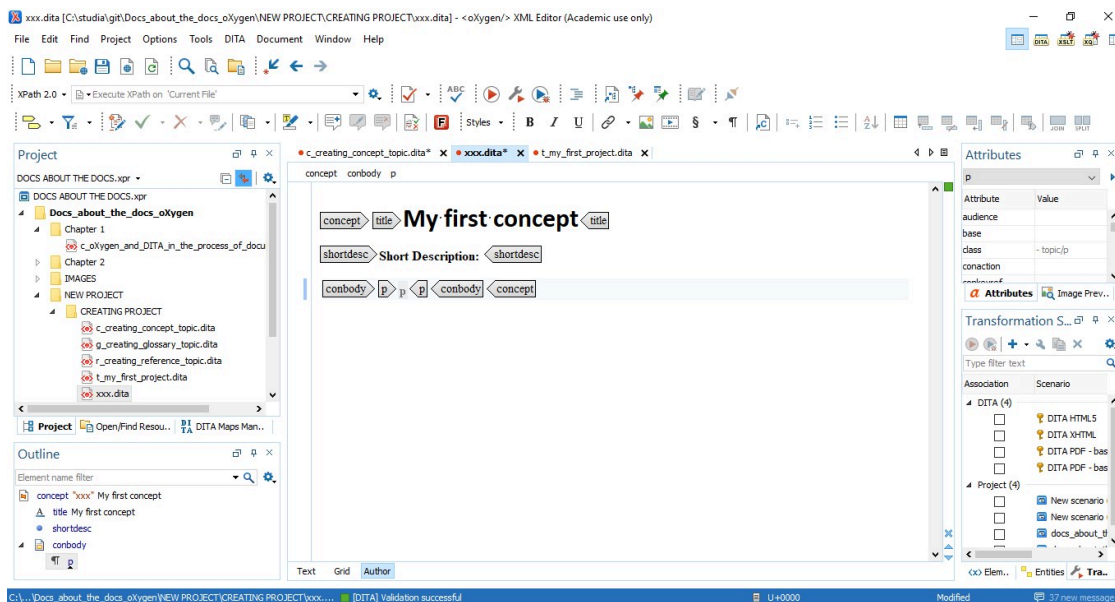


Figure 5: oXygen view

Adding the content

In *Author mode* place the cursor between **p** element and press **Enter**. When you press **Enter**, Oxygen XML Editor shows you a list of elements you can use in this location. Choose the element you want to use and press **Enter** to insert the element.

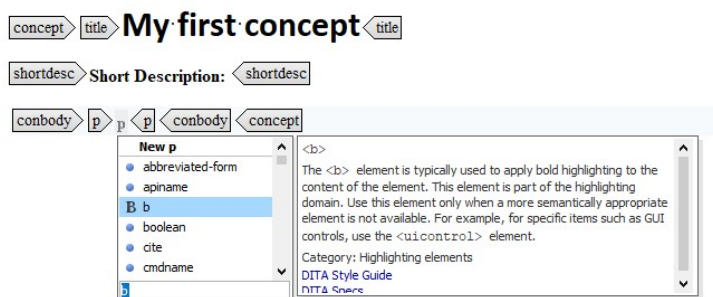


Figure 6: Adding a content in Author mode

A list of frequent elements used in **Concept Topic**

- Sections **<section>** Include **Title**
- Paragraphs **<p>**
- Unordered list ****
- Ordered list ****
- Definition list **<dl>**
- Tables **<table>**
- Images **<fig>** or **<image>**
- Code blocks **<codeblock>**
- Code phrases **<codeph>**
- Phrases **<ph>**
- Keywords **<keyword>**
- Terms **<term>**

Creating Reference Topic

This section shows how to create a new file *Reference Topic* in oXygen tool.



Note:



Note: When name the **File name** add 'r_' at the beginning of **File name**. 'r_' means **Reference** it helps to know which topic is for concept 'r_'.

Adding a table

Place the cursor inside an element in Author mode and press **Enter** and next select **Table**. Add some information in **Description** **<desc>** and add **Entry** in the table.

Table 2: My first table

This is a table in Reference Topic

Content 1	Content 2
1 A	1 A
2 B	2 B

Adding a picture

1. Create an *IMAGES* folder in the Project . The *IMAGES* folder should contain all your images.
2. Place the cursor inside an element in Author mode and press **Enter** and next select **Image**. Next, choose the **image location** , add **Figure title**, and set up a **size** and click **Insert**..

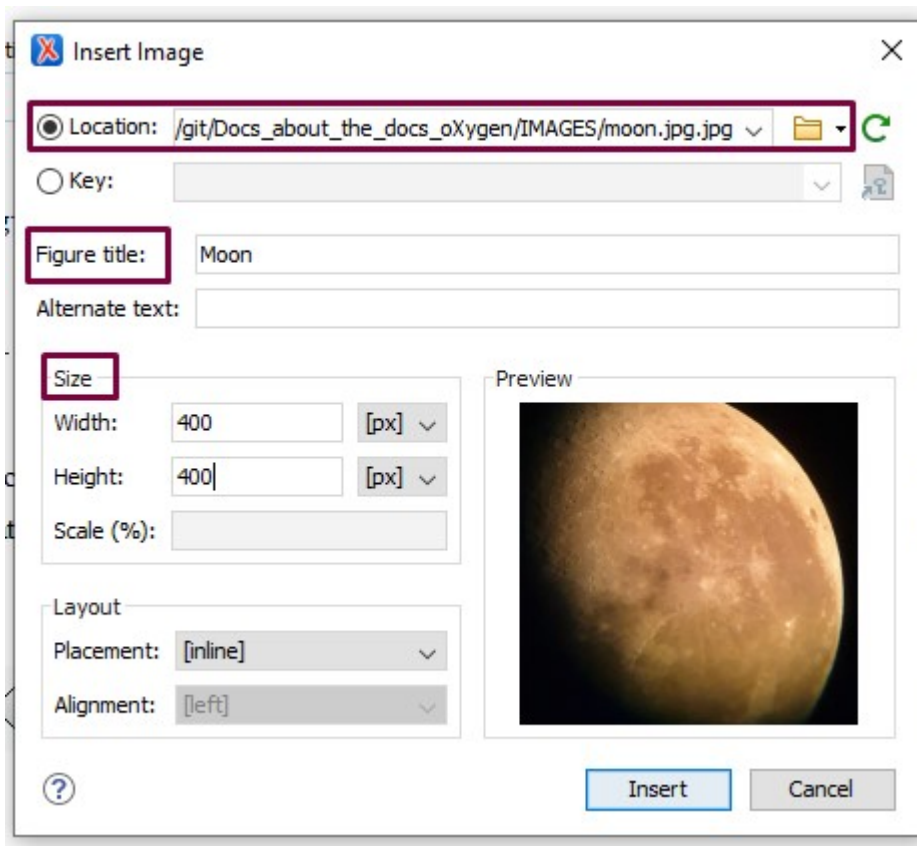


Figure 7: Adding a picture



Figure 8: Moon

Notes

A `<note>` element contains information that expands on or calls attention to a particular point. This information is typically differentiated from the main text. To set *Attributes* go to Author mode and press **Enter** inside an element and select **Note** element. On the right you see **Attribute**box with different attributes. Scroll down and choose the attribute **Type** and set the **Value** by clicking on the **Value** place.

See [The type attribute](#) for more detailed information on values.



Figure 9: NOTES Attributes

Here are examples of **Notes**



Note: This is a standard note.



Attention: This is an aexample of *attention* note



CAUTION: This is an aexample of *caution* note



DANGER: This is an aexample of *danger* note



Fastpath: This is an aexample of *fastpath* note



Important: This is an aexample of *important* note



Notice: This is an aexample of *notice* note



Remember: This is an aexample of *remember* note



Warning: This is an aexample of *warning* note

My first project

This section shows how to start a project in oXygen tool.

It presents the quick guide how to write your first XML document at the basic level. It is a step-by-step guide.

1. To start your first document you have to create **New Project**. To create a new project click **New Project** on **Welcome** box

Figure 10: Figure: New Project

2. Now choose a project template, for starters, leave Deafault project template. Next, specify the name of the new project file and choose the project directory (localization of the project). Click choose and Create.

Figure 11: Project File Name

3. Your Project Folder is created and ready to build.

Figure 12: New Project Folder

4. Next step you have to create TOPICS Folder where you keep all DITA Topic Types. Right-click PROJECT NAME and choose New → Folder → folder name: TOPICS → OK. This is the Folder for DITA Topics.

Figure 13: New TOPICS Folder

Figure 14: TOPICS folder

Figure 15: TOPICS

5. To keep images you need to create another Folder for IMAGES. It is the same way as TOPICS. Right-click the project PROJECT NAME and choose New → Folder → folder name: IMAGES → OK.
6. Creating a DITA Topic in Oxygen XML Editor

Right-click the TOPIC Folder, select New → File → Concept → Title → File name → Create



Note: When name the **File name** add “c_” at the beginning of your file name. **C** means **Concept**

Figure 16: New File TOPIC

7. Add some text to the Concept. Insert the cursor in the **p** element and press **Enter**. Oxygen shows you which elements you can place in the current position

Figure 17: Adding some text to Concept

Concept elements often used

Sections <section>: Includes <title>

Paragraphs <p>

Lists: unordered , ordered , definition lists <dl>

Tables <table>

Images <fig> or <image>

Code blocks <codeblock>

Code phrases <codeph>

Phrases <ph>, keywords <keyword> and terms <term>

- 8.
- 9.
- 10.
- 11.
- 12.

oxygen setup

Creating Task Topic

This section shows how to create a new file *Task Topic* in oXygen tool.

It presents the quick *step-by-step guide*.

To create *Task Topic* right-click on the *Project Folder* (created at the beginning) for options and select **New** → **File** → **Task**. Now add a **Title** of the *Task file* and **File name**. Click **Create** button.



Note: When name the **File name** add 't_' at the beginning of **File name**. 't_' means **Task**It helps to know which topic is for Task 't_'

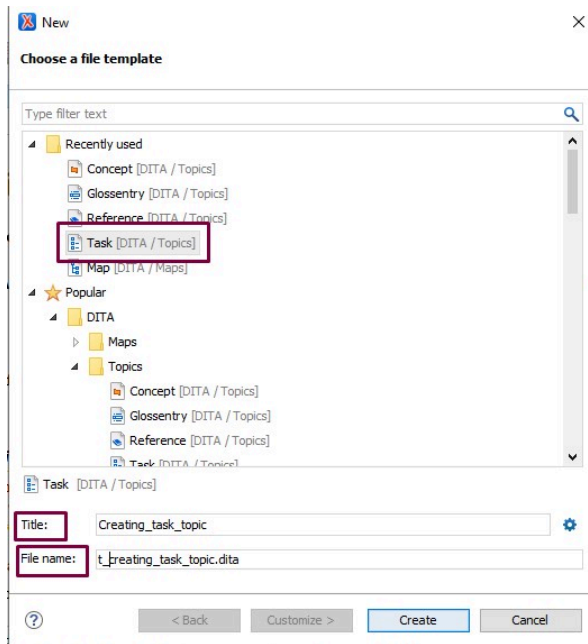


Figure 18: Creating Task Topic

Adding the content

In **Author** mode place the cursor between **p element** and press **Enter**. When you press **Enter**, Oxygen XML Editor shows you a list of elements you can use in this location. Choose the element you want to use and press **Enter** to insert the element.

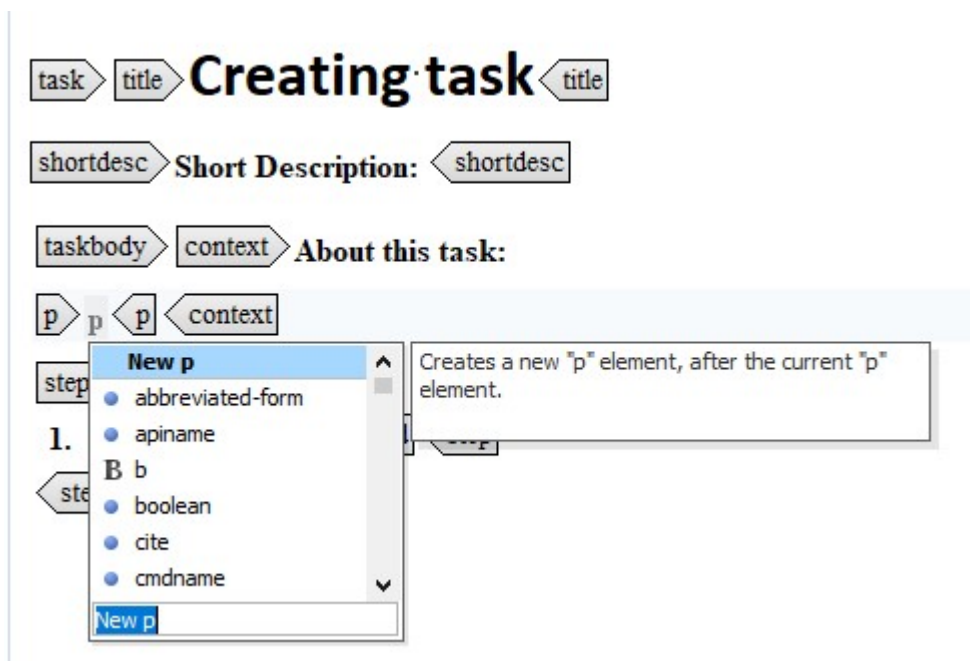


Figure 19: Adding a context

A list of frequent elements used in **Task Topic**

- Prerequisites `<prereq>`
- Contextual information `<context>`
- Steps `<steps>`
- Results `<result>`
- Example `<example>`
- Post requisites `<postreq>`

DITA_Map

Creating PDF and HTML
