

---

# **XML Documentation for Adobe Experience Manager 6.5, 6.4, and 6.3 User Guide**



December 11, 2019

---

# Contents

<b>About XML Documentation for Adobe Experience Manager</b> . . . . .	<b>1</b>
Benefits at a glance . . . . .	1
How XML Documentation solution works . . . . .	2
Key XML Documentation solution features . . . . .	3
<b>Manage content using DITA project</b> . . . . .	<b>6</b>
Basic AEM concepts . . . . .	6
Content management fundamentals . . . . .	6
Create a DITA project . . . . .	8
Add assets to a DITA project . . . . .	10
User groups created by XML Documentation solution . . . . .	11
Upload existing files . . . . .	13
Use FrameMaker for bulk upload . . . . .	13
Use WebDAV for bulk upload . . . . .	13
<b>Search DITA content</b> . . . . .	<b>14</b>
Checkout status filter in search . . . . .	16
<b>Work with the Web Editor</b> . . . . .	<b>17</b>
Create topic . . . . .	17
Preview topic . . . . .	18
Edit topic . . . . .	28
Know the Web Editor toolbar . . . . .	29
Keyboard shortcuts in the Web Editor . . . . .	55
Other useful features in the Web Editor . . . . .	56
Web Editor views . . . . .	62
Document state . . . . .	67

---

Use label . . . . .	70
Add a label . . . . .	70
Delete a label . . . . .	71
<b>Work with the Map Editor . . . . .</b>	<b>72</b>
Create a map . . . . .	72
Work with the Basic Map Editor . . . . .	73
Add topics to a map file . . . . .	73
Features available in the Basic Map Editor's toolbar . . . . .	75
Features available at topic level in the Basic Map Editor . . . . .	77
Work with relationship tables in the Basic Map Editor . . . . .	78
Work with the Advanced Map Editor . . . . .	80
Add topics to a map file . . . . .	80
Features available in the Advanced Map Editor's toolbar . . . . .	84
Edit topics through DITA map . . . . .	86
Preview a map . . . . .	89
Other features in the map editors . . . . .	90
Resolve key references . . . . .	91
Work with subject scheme maps . . . . .	91
Download a DITA map file . . . . .	93
Bulk tagging of DITA content . . . . .	95
Apply bulk tags . . . . .	95
Apply tags on an individual topic . . . . .	96
Remove tags . . . . .	97
Show or hide tags . . . . .	97
<b>DITAVAL editor . . . . .</b>	<b>98</b>
Create DITAVAL file . . . . .	98
Edit DITAVAL file . . . . .	98
DITAVAL editor views . . . . .	100
<b>Review topics . . . . .</b>	<b>102</b>
Send topics for review . . . . .	103
Send one or more topics for review . . . . .	103
Send multiple topics for review from a DITA map . . . . .	106
Review topics . . . . .	109
Address review comments . . . . .	115
Manage review tasks using the Review Dashboard . . . . .	118
<b>Translate content . . . . .</b>	<b>124</b>
Best practices for content translation . . . . .	125
Configure translation service . . . . .	126
Create a new translation project . . . . .	126
Start the translation job . . . . .	127

---

View translation status . . . . .	129
Translate modified topics . . . . .	130
<b>Output generation . . . . .</b>	<b>133</b>
Generate output . . . . .	133
Understanding the output presets . . . . .	134
AEM Site . . . . .	134
PDF . . . . .	136
HTML5 . . . . .	138
EPUB . . . . .	140
Custom . . . . .	142
Use variables for setting the Destination Path, Site Name, or File Name options . . . . .	143
Create, edit, duplicate, or remove an output preset . . . . .	145
Conditional attribute profiling . . . . .	147
Use condition presets . . . . .	149
Create a condition preset . . . . .	149
Edit a condition preset . . . . .	150
Create a copy of a condition preset . . . . .	150
Delete condition preset . . . . .	150
Work with Baseline . . . . .	151
Create a Baseline . . . . .	151
View contents of a Baseline . . . . .	152
Edit, duplicate, or remove Baselines . . . . .	153
Add labels to a Baseline . . . . .	153
Export translated Baseline . . . . .	155
Generate output for a DITA map . . . . .	156
Incremental output generation . . . . .	156
View the status of the output generation task . . . . .	158
Use Map Collection for output generation . . . . .	159
Create a map collection and add DITA maps . . . . .	159
Configure and generate the output using a Map Collection . . . . .	160
Basic troubleshooting . . . . .	161
View and check the log file . . . . .	161
Copy and check the log file in a text editor . . . . .	162
Resolve JSP compilation error . . . . .	163
<b>Generate output from FrameMaker documents . . . . .</b>	<b>164</b>
Generate output . . . . .	165
Understanding the output presets . . . . .	165
PDF . . . . .	165
HTML5 . . . . .	166
EPUB . . . . .	167
DITA . . . . .	167
Generate output for FrameMaker documents . . . . .	170
View the status of the output generation task . . . . .	171

---

<b>Reports . . . . .</b>	<b>173</b>
DITA Map Report . . . . .	173
Content Reuse Report . . . . .	175
Conversion Status Report . . . . .	177
Reverted files version history report . . . . .	179
<b>Appendix . . . . .</b>	<b>181</b>
File names . . . . .	181
Folder hierarchy . . . . .	181
References . . . . .	182
Modular authoring . . . . .	182
Versioning of content . . . . .	182
Publishing unstructured FrameMaker documents . . . . .	183
Baseline . . . . .	183
AEM Site publishing . . . . .	183
<b>Other recommendations . . . . .</b>	<b>185</b>
Permissions . . . . .	185
Translation . . . . .	185
Map Editor . . . . .	186
Review . . . . .	186
FrameMaker integration . . . . .	186

---

# About XML Documentation for Adobe Experience Manager

## Manager

XML Documentation for Adobe Experience Manager (referred to as *XML Documentation solution* later in this guide) is a powerful, enterprise-grade component content management solution (CCMS). It enables native DITA support in Adobe Experience Manager, empowering AEM to handle DITA-based content creation and delivery. It empowers authors to create content using any offline DITA authoring tool, such as Adobe FrameMaker or an easy-to-use built-in web editor.

XML Documentation solution provides all core CCMS functions, such as collaboration, review, translation, search, and reports for DITA content, enabling authors to do more in less time through efficient content reuse and powerful workflows. Moreover, users can leverage its best-in-class, single-click publishing capability to generate DITA-based output for the most popular formats - Experience Manager Sites, PDF, HTML5, EPUB, and custom output through DITA-OT.

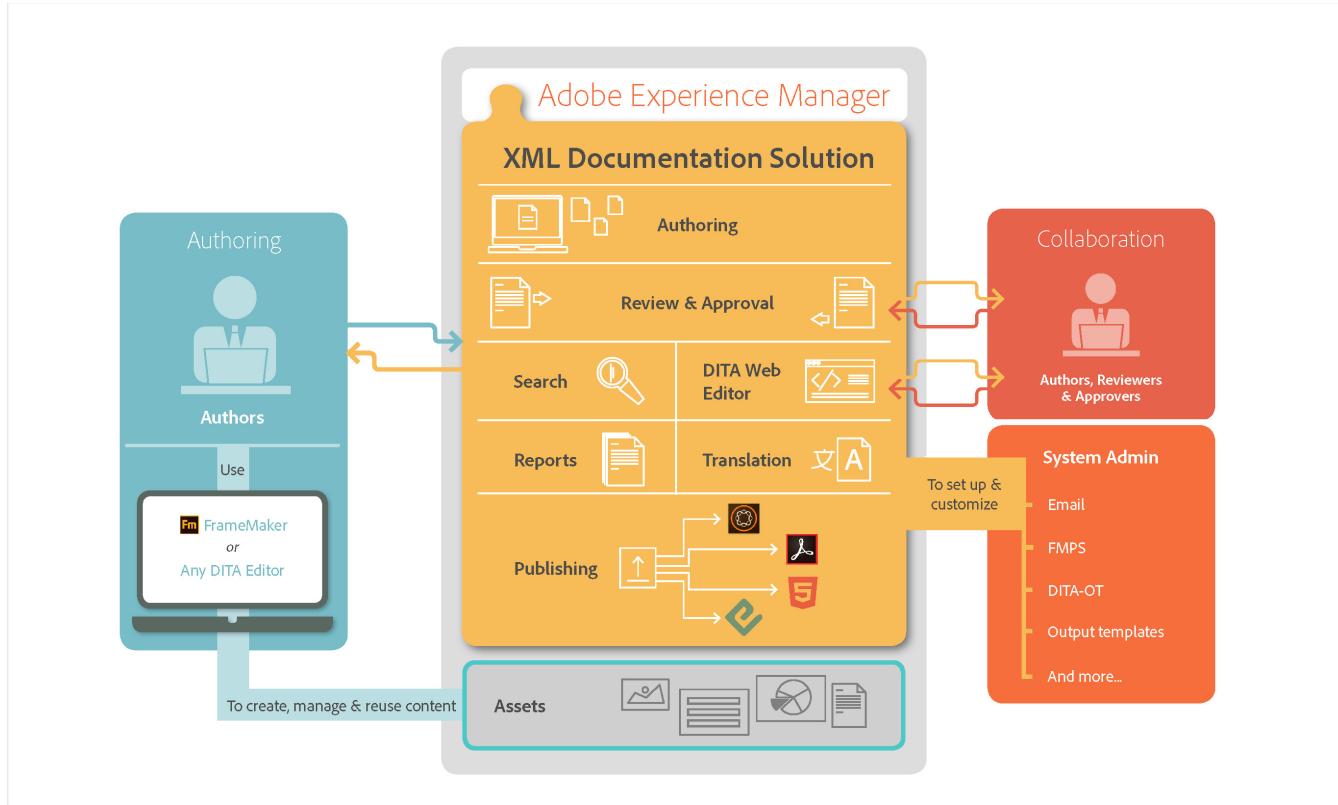
With XML Documentation solution, enterprises can deliver seamless and personalized experiences to end users and ensure consistency and uniformity in pre- and post-sales content. Complete control over content integrity can be achieved easily. What's more, localization time and costs also reduce significantly.

## Benefits at a glance

- Uniform pre- and post-purchase content experience for end users
- One-touch publishing experience to Experience Manager Sites, PDF, HTML5, EPUB, and custom output through DITA-OT
- Familiarity with existing Adobe tools/systems and the opportunity to consolidate with one partner
- Single CMS for managing marketing and technical content end-to-end
- Faster go-to-market with efficient content reuse
- Powerful review, collaboration, and translation workflows
- Reduced localization time and costs
- Reduced maintenance overheads

# How XML Documentation solution works

The following diagram illustrates how XML Documentation solution works with AEM and any DITA editor to enable content management, reuse, translation, and review in an enterprise scenario.



# Key XML Documentation solution features

## Powerful DITA authoring and content management

Significantly improve authoring productivity through single-sourcing of modular information optimized for effective reuse at a granular level (modules, components, words, graphics, multimedia, and translations).

The built-in web-based editor or any offline DITA editor, such as Adobe FrameMaker helps you easily author and effectively manage DITA topics, maps, and DITAVAL files. The built-in editor has a simple and intuitive word-processing interface, which provides an easy entry for subject matter experts, casual contributors, and reviewers who might not be trained to use DITA. With the intelligent Insert Element functionality, you don't have to worry about placing an element at the correct location. An element is always inserted at the next available valid location.

You can also check-out and check-in files from the new options made available in AEM toolbar and web editor. The seamless interoperability between the web editor and FrameMaker makes it easier for you to check-out file through the web editor and check-in through FrameMaker.

If your organization uses a specialized form of DITA, the web editor can be customized to create and edit specialized DITA documents. For more details about using DITA specialization, see *Use custom DITA-OT and DITA specialization* in XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

Currently, the built-in editor supports the following DITA standards:

- DITA 1.2
- DITA 1.3
- Lightweight DITA

*NOTE: Lightweight DITA is still under the proposal state and has not yet become a DITA standard.*

## Next-gen collaboration through web-based review

Ensure that multi-author, multi-reviewer distributed teams collaborate smoothly through powerful review workflow, minimizing the scope of manual errors in the process.

XML Documentation solution provides powerful yet easy-to-use web-based review capabilities. You can send multiple DITA topics for review simultaneously. The reviewing capability helps ensure that the document content is reviewed efficiently. Authors and reviewers can effortlessly collaborate on changes during ongoing reviews. Reviewers can monitor the differences from previous versions to identify if feedback has been incorporated correctly. Administrators can track the review task history using the feature-rich management dashboard.

Every document in your DAM now gets a document status. This document status helps you identify what state in the documentation process the document is. You as an administrator of the system can define the document states, default start and end states, and document state transition for your documents.

## Industry-leading translation management and localization support

Get significant savings on translation time and costs, and ensure that published content is free of translation errors.

Adobe Experience Manager comes with built-in connectors for leading translation providers. Leverage these connectors to manage locale-specific content. Make full use of the detailed out-of-the-box translation reports to identify untranslated content before publishing and take appropriate corrective actions. You can manage the status of translated content with respect to master language updates to carry out translation only for the updated DITA files. Time-consuming, manual identification of files to send for translation is not required.

## Best-in-class multichannel publishing of DITA content

Streamline enterprise content publishing with a seamless, one-touch approach that accelerates time to market.

With the native DITA support added to Experience Manager, generate output for Experience Manager Sites, PDF, HTML5, EPUBS, or custom output through DITA-OT. You can leverage the fully configurable output to deliver highly personalized, relevant, and immersive content experiences for end users. You can also easily perform batch generation or use Baseline to publish a specific version of your documentation.

## Comprehensive search and content usage data

Find and select relevant content faster, maximizing the ROI on content with every reuse. Perform basic and advanced searches using content attributes and topic metadata across the entire repository through a simple interface inside the DITA authoring tool. Results are tagged with content usage data to help you easily identify and select the right content for optimal reuse.

## In-depth publishing readiness reports

Make publishing error-free by easily checking and correcting content before it goes live. Keep a close watch on system health by easily accessing various reports at the DITA map level. You can check the number of missing topics, broken links or references, and the status of reviews, and translations for all topics. You can also use the reports to perform comprehensive sanity checks in the final stages before publishing.

## Extensive tag management support for personalized output

Drive deeper end-user engagement and content adoption through highly relevant content experiences. With XML Documentation solution, you can leverage the extensive tag management support in Experience Manager to apply relevant tags on DITA source content. Use these tags to provide highly personalized content experiences to end users.

## Native integration with Adobe FrameMaker

Enjoy a fast and seamless experience while working with Experience Manager and FrameMaker (2015 release) Update 4 or later.

The tight integration of Experience Manager and FrameMaker through a built-in connector helps you work seamlessly with the Experience Manager content repository. Leverage the connector to quickly get started with authoring, reviewing, and searching DITA content.

Using the AEM connector in FrameMaker, you can manage your FrameMaker files. The AEM connector allows you to easily upload your DITA and other FrameMaker documents (.book and .fm) on AEM. The XML Documentation solution also allows you to publish FrameMaker documents directly from AEM. In case your FrameMaker book file contains a combination of DITA and .fm files, the XML Documentation solution can publish such documents as well. Currently, you can publish FrameMaker's .book and .fm files into PDF, HTML5, and EPUB formats.

---

# Manage content using DITA project

Before you start with the actual content creation, you must familiarize yourself with some basic concepts of content management in XML Documentation solution. Then, start with creating a DITA project to group all your project resources into one logical entity.

## Basic AEM concepts

The following articles in AEM documentation will help you understand the authoring environment's user interface, how to upload existing assets on AEM repository, and concepts of projects in AEM:

- [Understanding the user interface](#)
- [Managing Assets in AEM](#)
- [Projects in AEM](#)

## Content management fundamentals

Following are some fundamentals of content management that you should familiarize yourself with:

### Digital asset management

The XML Documentation solution uses AEM's digital asset management (DAM) to manage your DITA files. The files that you upload or check into the DAM are stored as digital assets.

### Maintaining the structure of DITA files

The topics or maps are maintained in the format in which a writer checks in or uploads them. This implies that the XML Documentation solution does not perform any conversion or transformation of these files.

### Link management

Move or rename files or change folder structure in the content repository, without worrying about broken references. All references to and from the impacted content are automatically updated. Get warnings when deleting content which is referenced from elsewhere, to prevent unintentional breakages.

### Managing versions

The XML Documentation solution provides version management for your digital assets. You can easily enable this functionality from a DITA authoring application of choice. Allowing your writers to perform the standard version control functions such as check-in, check-out, and undo check-out.

For more information about creating versions or reverting to a specific version, see [Branch, revert, and subsequent versioning](#).

## Native DITA handling

While the XML Documentation solution maintains the structure of your DITA files, it also enables AEM to natively handle DITA using element mapping to map the DITA elements to AEM components. The native DITA handling is used in features such as topic preview, AEM Sites publishing, and the review workflows.

## Uploading existing DITA files

The bulk upload procedure allows you to quickly upload a large number of DITA files to DITA project in your AEM repository. This is convenient if you have previously authored DITA content that you want to move into the AEM DAM. After you are done with the upload, your writers can then continue authoring the documents in the application of choice and check-in and check-out the files as required.

## Create a DITA project

A project in AEM lets you group different resources into a single entity. You would need to create a project to manage your resources used in the project. For example, a project for XML Documentation solution documentation can contain – people who would work on this project (authors, reviewers, publishers), source files for content and media (also known as Assets), tasks that would be executed in this project (review, translation), and more. The types of resources you can associate with a project are referred to in AEM as Tiles. Tiles may include project and team information, assets, workflows, and other types of information as described in details in the [Project Tiles](#) article in AEM documentation.

With each project, you can associate different types of information such as digital assets, experiences, team members, landing pages, and more. For more information about projects in AEM, see [Projects](#).

XML Documentation solution adds a DITA project template that you can use to create and manage your project tasks. Usually, you would create a project to monitor a release or a specific task such as review or translation. A project lets you control the tasks and time required to complete the task for which the project is created.

You can add team members to a project who could then be assigned various roles. By default, DITA project creates three roles – Authors, Reviewers, and Publishers. Each of these roles have specific permissions associated with them that would allow the users to perform relevant tasks. For more information about these roles, see the *User groups created by XML Documentation solution* section.

Similarly, whenever an author initiates any workflow (like a review) the selected members of the project get an email notification. To configure email notifications, see *Customize email templates* in XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

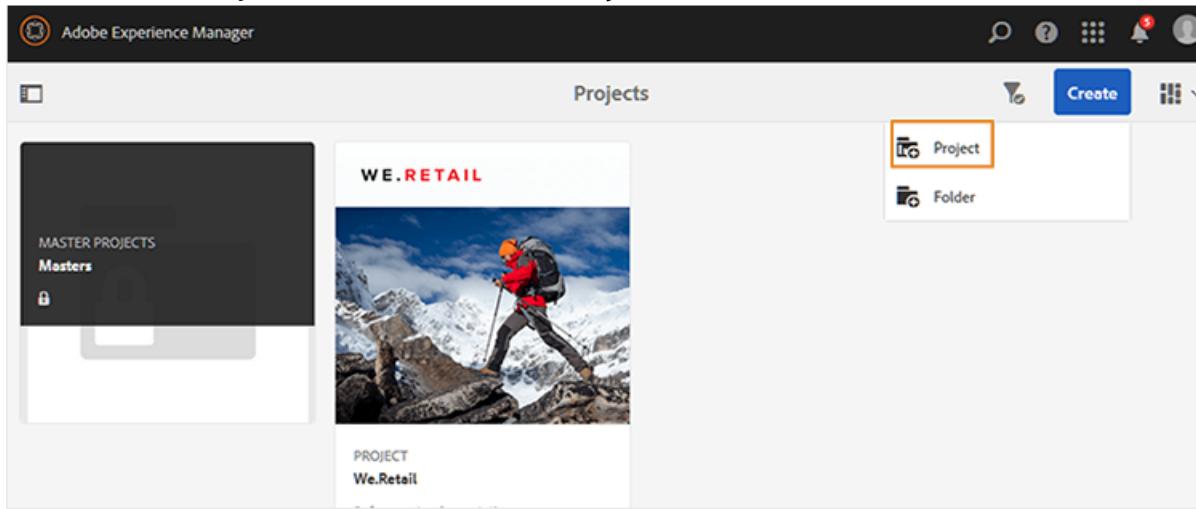
Perform the following steps to create a DITA project:

- 1) Open Projects console.

*You can also access the Projects console using the following URL:*

`http://<server name>:<port>/projects.html`

- 2) Click **Create > Project** to launch the Create Project wizard.



- 3) On the Create Project page, select **DITA Project** template and click **Next**.

- 4) On the Project Properties page, enter the following details:

*Information in the **Basic** tab:*

A screenshot of the 'Basic' tab in the Create Project wizard. On the left, there's a preview area showing a thumbnail for a 'DITA Project' with the text 'Creates a DITA project' and a 'Add Thumbnail' button. On the right, the 'Basic' tab is selected. It contains fields for 'Title \*' (with a placeholder 'My Project'), 'Description' (empty), 'Due Date' (empty), 'User' (a dropdown menu with 'Owners' and an 'Add' button), 'Members' (a table with one row for 'Administrator' under 'Owners'), and a 'Resolve key References using:' field containing '/content/projects'.

- Enter your project's **Title**, **Description**, and **Due Date**.
- You can, optionally, choose a thumbnail for the project.
- By default, you are made the owner of the project. To add more users to this project:
  - a) Enter or choose a user from the **User** drop-down list.
  - b) Choose a user type - Authors, Reviewers, or Publishers.

**NOTE:** You will see other user types in this drop-down list, but for a DITA project you should only choose from Authors, Reviewers, or Publishers user type. Even if you add a user of a different type, that user will not be able to access any DITA-specific feature available in the XML Documentation solution.

- c) Click **Add**.

- (Optional) Select a DITA map file to resolve key references for topic editing, preview and review workflows.

*Information in the Advanced tab:*

- Enter a name for the project. This name is used to create the URL for this project.

- 5) Click **Create**.

*The Project Created dialog appears.*

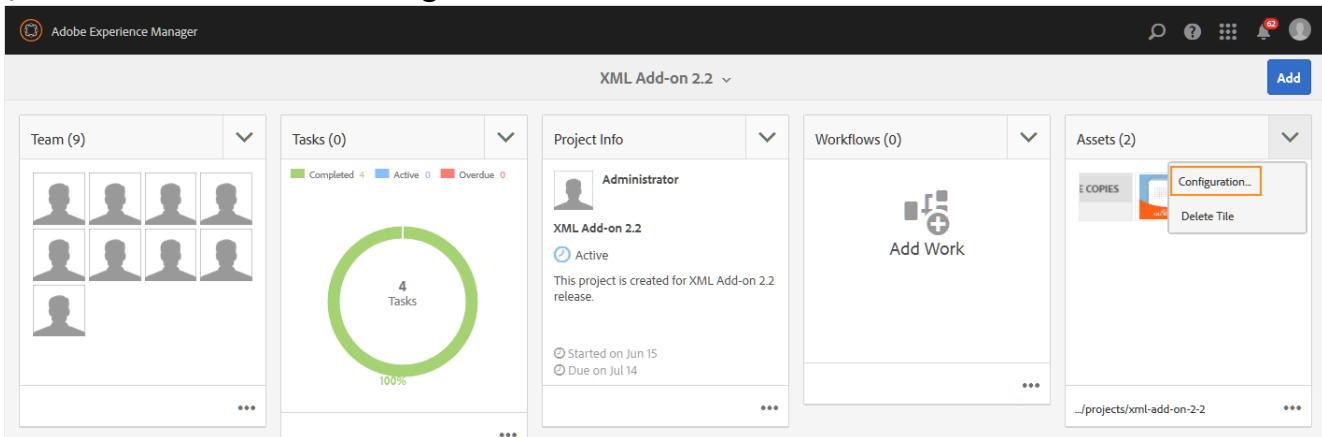
- 6) Click **Open Project** to open your project page.

## Add assets to a DITA project

Once you have created a project, a folder with your project's title is created within the `projects` folder in DAM. It is recommended not to store your content within the `projects` folder. The `projects` folder is exclusively used for specific tasks, such as a review or translation workflow.

If you have already uploaded your content on DAM and you want to associate with your project, perform the following steps:

- 1) Open the Project page.
- 2) In the Assets tile, click **Configuration**.



**NOTE:** If you do not see the Assets tile, click **Add** and choose the **Assets** tile to add it to your project. You can add multiple Assets tiles to your project and each asset tile can be configured to point to a different resource in DAM.

- 3) In the Configure Asset Pod, browse to and select the folder that you want to associate with your project.

4) Click **Accept**.

For more information about uploading existing content on DAM, see [Upload existing files](#).

## User groups created by XML Documentation solution

XML Documentation solution provides three out-of-the-box groups to manage different tasks in a DITA project. These groups are: *Authors*, *Reviewers*, and *Publishers*. Depending upon the group a user is associated with, they are allowed to perform specific tasks. For example, publishing task can be performed only by a publisher, but not by an author or a reviewer. Similarly, an author can create a new topic, and a reviewer can only review a topic.

**TIP:** See [for best practices around setting user permissions](#).

The following table lists various tasks and the groups that can perform those tasks:

Task	Authors	Reviewers	Publishers
Create DITA Topic	Yes		Yes
Create DITA Map	Yes		Yes
Map Collections	Yes		Yes
Create Review Task	Yes		Yes
Review Topic <sup>1</sup>	Yes	Yes	Yes
Key Resolution	Yes		Yes
Open in FrameMaker	Yes		Yes
Check-out/Check-in	Yes		Yes
Edit Topic	Yes		Yes
Move Topic	Yes		Yes
Edit Topic Properties	Yes		Yes
Copy	Yes		Yes
Delete	Yes		Yes
Share	Yes		Yes
Document state			

Task	Authors	Reviewers	Publishers
Create/edit document state profile			Yes
Change document state <sup>2</sup>	Yes	Yes	Yes
<b>Features available in DITA map console (Output Presets tab)</b>			
Generate			Yes
Edit			Yes
Duplicate			Yes
Create			Yes
Delete Preset			Yes
<b>Features available in DITA map console (Outputs tab)</b>			
View generated output	Yes		Yes
<b>Features available in DITA map console (Topics tab)</b>			
Create Review Task	Yes		Yes
Edit	Yes		Yes
<b>Features available in DITA map console (Baselines tab)</b>			
Create			Yes
Edit			Yes
Duplicate			Yes
Remove			Yes
DITA map console (Reports tab)	Yes		Yes
<b>Features available in DITA map console (Condition Presets)</b>			
Create/edit condition preset			Yes

1. If *Authors* and *Publishers* are invited for a review.
2. Depending on the rights given to the user in the document state profile.

## Upload existing files

Most likely you would have a repository of existing DITA content that you would like to use with the XML Documentation solution. For such existing content, you can use any of the following two approaches to bulk upload your content into AEM repository:

*NOTE: Ensure that you do not upload your content within the `projects` folder in DAM. The `projects` folder is exclusively used for specific tasks, such as a review workflow.*

### Use FrameMaker for bulk upload

Adobe FrameMaker comes with a powerful AEM connector that allows you to easily upload your existing DITA and other FrameMaker documents (`.book` and `.fm`) into AEM. You can use various file upload functionalities such as uploading a single file, uploading a complete folder with or without dependencies (like content references, cross-references, and graphics).

For more details about using bulk upload feature in FrameMaker, see the section *Create a CRX folder and upload files* in FrameMaker User Guide.

### Use WebDAV for bulk upload

If you are authoring your topics and maps in any other DITA editor, you can use WebDAV to check your files into your project.

For details on how to check your files into your project, see [WebDAV Access in AEM documentation](#).

# Search DITA content

By default, AEM does not recognize DITA content, thus, it doesn't provide any mechanism to search DITA content within its repository. XML Documentation solution adds a layer on top of AEM, which enables AEM to understand and process DITA content. The Search DITA content feature in XML Documentation solution allows you to search for DITA content within AEM repository.

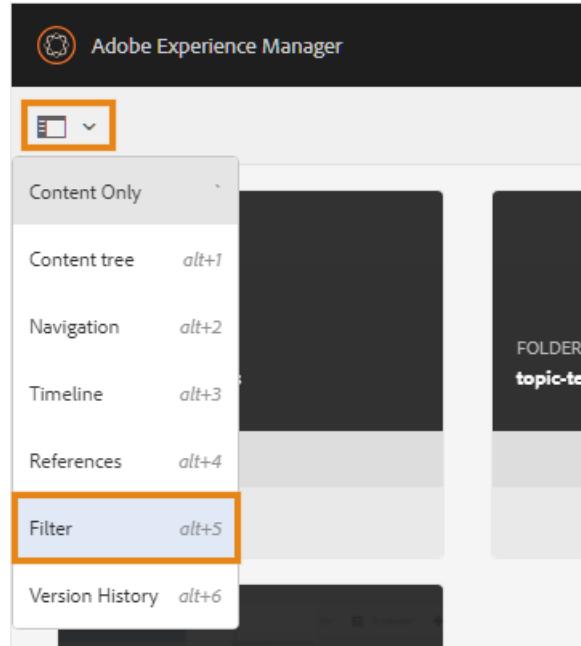
Using the search feature, you can:

- Search for DITA content based on an element value; for example, `<author>= xml`
- Search for DITA content based on an attribute value; for example, `@platform= windows`
- Use a combination of DITA element and attribute value; for example, `<author>= xml AND @platform= windows`

*NOTE: The Search DITA content feature is in-built within the AEM's Assets UI. You will not have to use any syntax to create a search query. The above examples are only for illustrative purposes.*

Perform the following steps to search for DITA content within AEM repository:

- 1) Open the Assets UI.
- 2) In the left rail, select **Filters**.



The content filtering options are shown in the left rail. You will also find the filtering option—DITA Element, which is used to filter DITA content.

This screenshot shows the search interface with the 'DITA Element' filter section highlighted by an orange box. The 'DITA Element' section contains fields for 'Element Name', 'Attribute', and 'Value', along with an 'Add Element' button. To the right, a search result for an XML file named 'generate-output-use-map-collect-output-generation.xml' is displayed, showing its creation date (Jan 15, 2019), size (5.7 KB), and status (Draft).

- 3) (Optional) In the **Select Search Directory** field, browse for the location that you want to search in.
- 4) In the **DITA Element** filter, provide the **Element Name**, **Attribute**, and a value that you want to search for. For example, to search for documents that have <author> element that is of @type creator you need to provide the information as shown in the following screenshot:

This screenshot shows the search interface with the 'DITA Element' filter section highlighted by an orange box. The 'Enter Applicable Fields' section has 'author', 'type', and 'creator' entered. To the right, two search results are shown: one for 'Basic troubleshooting' (5 days ago, 6.2 KB, Draft) and another for 'About XML Documentation for Adobe Experience Manager' (3 hours ago, 3.1 KB, Draft). A 'New' button is visible in the top right corner of the search results area.

The search criteria entered in the **DITA Element** filter is shown at the top of the search bar. The files matching the search criteria are shown in the **Search Results** area.

Consider the following points while specifying the search criteria:

- To search for an exact phrase, enter the phrase in the Value field within quotes "phrase search".
- You can add up to 3 DITA element search criteria.
- In case you specify multiple search criteria, then all of them will be combined using the AND logic.
- You cannot use wildcards in your search criteria. For example, to search for platform (attribute) with value of Windows—you cannot specify \*form or Windo?s.

## Checkout status filter in search

In addition to the DITA Element filter, XML Documentation solution also lets you to search for content based on their checkout status. This is helpful when you want to quickly filter out files that are currently checked out by you and want to check them back in.

Perform the following steps to search for files based on their checkout status:

- 1) Open the Assets UI.
- 2) Click **Filter** in the left rail.
- 3) Enter your search keyword in the Search bar.
- 4) Apply the required filters from the left rail.

For example, you can apply **Checkout Status** filter to show the checked out or checked in topics. You can further refine this list by choosing the user or group from the Checked Out By list.

Your search result is displayed.

---

# Work with the Web Editor

The XML Documentation solution comes with an easy-to-use web-based Web Editor for creating and editing structured documents. The editor hides all the complexities of the DITA structure from the writer. The editor provides a list of DITA elements that a user would usually need to work within a document.

Also, the Web Editor is DITA-aware and it supports DITA 1.3, 1.2 standards, lightweight DITA, and also specialized DITA. This implies that it will not allow you to place elements at locations that are not in accordance with the DITA standards. The Web Editor also allows you to work with the most commonly used block and in-line elements.

The Web Editor also works as the file management system by providing the following capabilities:

- Single or multiple files check-in and check-out.
- Check-out a file from the Web Editor and check-in from FrameMaker.
- If a file is checked out, the status is reflected in the FrameMaker Resource Manager window.
- Assign a document state. For more information about document states, see [Document state](#).

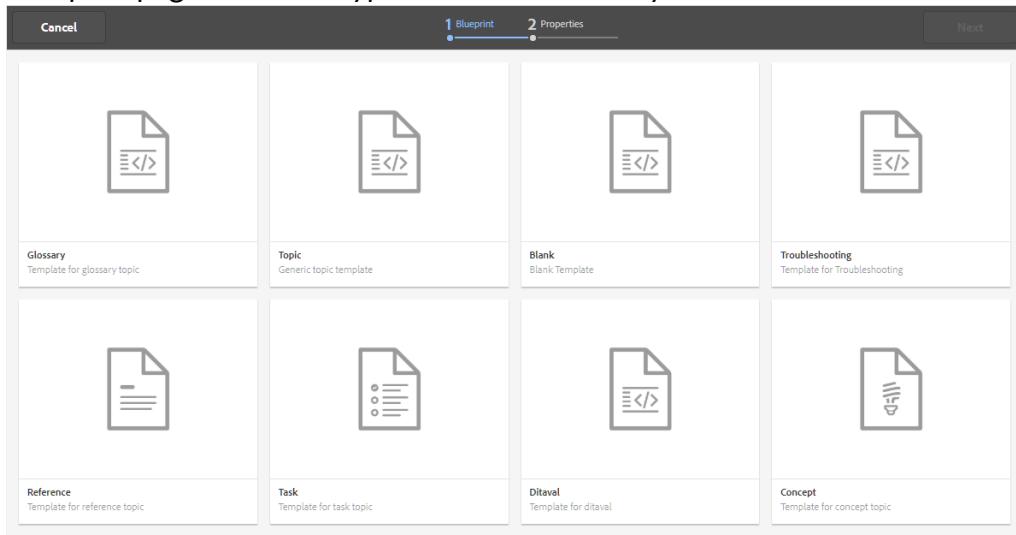
## Create topic

The XML Documentation solution editor allows you to create DITA topics of type - topic, task, concept, reference, glossary, DITAVAL, and more. Apart from creating topics based on the out-of-the-box templates, you can also define your custom templates. For more information about using your custom DITA templates, see *Configure templates and tags for authoring* in XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

Perform the following steps to create a topic:

- 1) In the Assets UI, navigate to the location where you want to create the topic.
- 2) To create a new topic, click **Create > DITA Topic**.

- 3) On the Blueprint page, select the type of DITA document you want to create and click **Next**.



*By default, XML Documentation solution provides the most commonly used DITA topics templates. You can configure more topic templates as per your organizational requirements, see [Configure templates and tags for authoring in XML Documentation for Adobe Experience Manager Installation and Configuration Guide](#).*

**NOTE:** In the list view, the DITA topic type is shown in the Type column as Topic, Task, Concept, Reference, Glossentry, or DITAVAL. The DITA map is shown as Map.

- 4) On the Properties page, specify the document **Title** and **Name**.

**NOTE:** The name is automatically suggested based on the **Title** of your document. If you want to manually specify the document name, then ensure that the **Name** does not contain any spaces, apostrophe, or braces and ends with .xml or.dita. See [File names](#) for best practices around naming DITA files.

- 5) Click **Create**. The Topic Created message appears.

*You can choose to open the topic for editing in the Web Editor, or the save the topic file in the AEM repository.*

**NOTE:** Every new topic that you created from the Web Editor is assigned a unique topic ID. Also, a new document is saved as the latest working copy of the topic in DAM. Until you do save a revision of a newly created topic, you will not see any version in the Version History.

**NOTE:** If your administrator has configured your Web Editor to check out files before editing, then you will not be able to edit a file until you check it out. Similarly, if configured, you will be asked to check-in any checked-out file before closing it.

## Preview topic

Once a topic is created, XML Documentation solution generates a preview of the topic. The Preview mode provides various features that you can use to work with your document.

Perform the following steps to preview a topic:

- 1) In the Assets UI, navigate to the topic that you want to view.
- 2) Click on the topic you want to view.

*A preview of the topic is displayed in the Assets UI.*

## Features available in preview mode

**You can perform the following operations from the toolbar in the preview mode:**

### View Properties

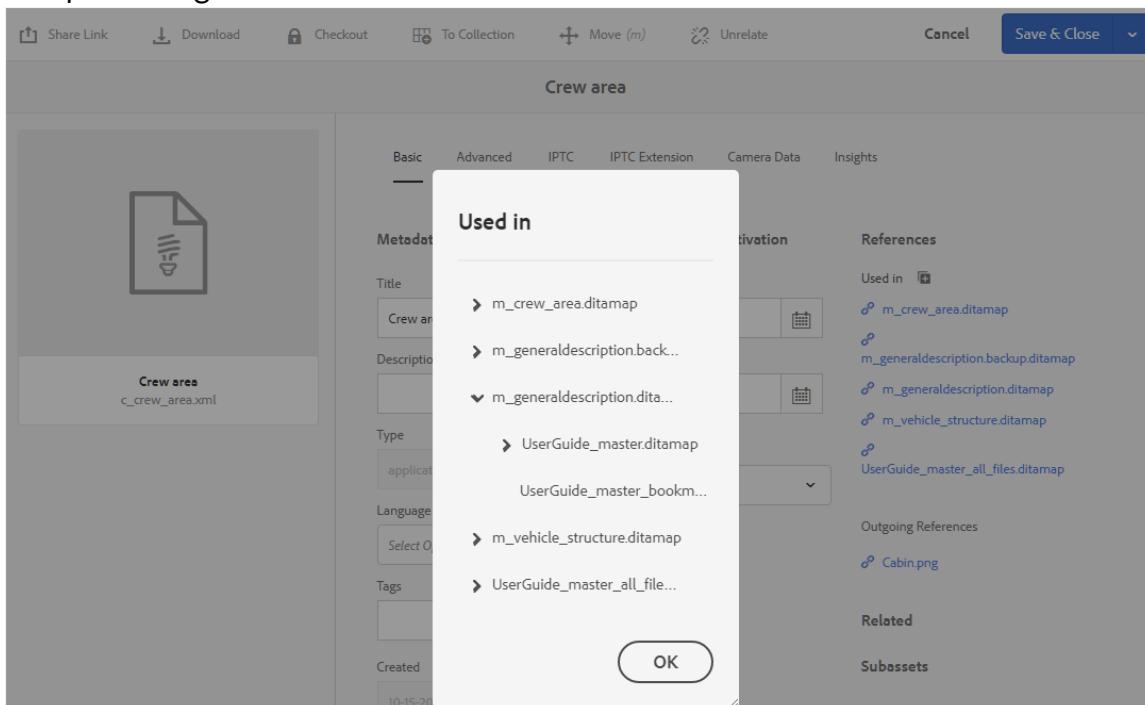
View the properties of the selected topic. Based on your AEM version, you could see properties like metadata, schedule (de)activation, references, document state and more.

**NOTE:** A topic's title property is auto-populated from the title tag of the DITA topic or map. If you make any change in the title using the properties window that change is lost. If you want to update the title property, you should do it using the Web editor.

The Properties page contain useful information about the references, such as where a map or topic is being used, or what references are contained in a document. The Properties page lists two types of references for a document - **Used In** and **Outgoing References**.

The **Used In** references lists the documents where the current file is being referred or used. The **Outgoing References** lists the documents that are referred in current document.

The (+) icon in the **Used In** references section allows you to further navigate upwards to find where that topic is being used or referred.

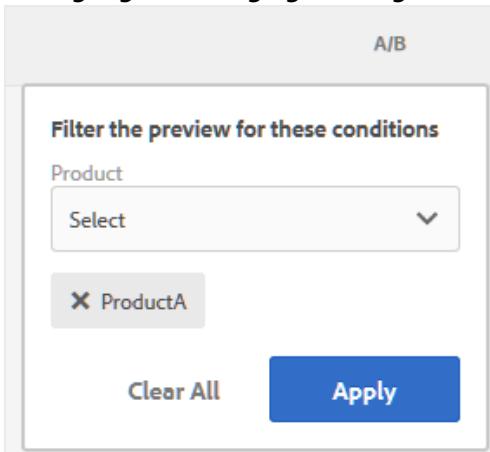


Clicking the  icon next to a document shows the map or topic files where that document is being further referred.

### Conditional Filtering (A/B)

If your topic has conditional content, then you will see the A/B icon on the toolbar. Clicking on this icon opens a pop-up that allows you to filter the content as per the available conditions in the topic.

*NOTE: The conditional content is highlighted using light background color in the Web Editor.*



### Edit

Open the topic for editing in the XML Documentation solution Web Editor. The **Edit** option will not be available if your administrator has enabled the **Disable Edit Without Checkout** option. With the option enabled, you will see the **Edit** option only on checking out a topic file.

### Open in FrameMaker

Open the topic for editing in FrameMaker.

*NOTE: You will see the Open in FrameMaker button only if your administrator has enabled this feature.*

Adobe FrameMaker comes with an AEM connector. This connector allows you to perform operations such as syncing review comments on a topic shared for review. You can post new comments or reply to existing comments from the Review Comments pod in FrameMaker. For more information, see the *Review* section in the FrameMaker User Guide.

Using the FrameMaker-AEM connector, you can check-in and check-out files on the AEM repository. For more information, see the *Adobe Experience Manager* section in the *Content Management Systems* chapter in FrameMaker User Guide.

The connector also provides search functionality that allows you easily search within DITA content in your AEM repository. You can also use attribute search to search for DITA content based on element's attribute. For more information, see the section *Searching in the AEM repository* in FrameMaker User Guide.

From the Preview mode of a topic, you can open that topic directly in FrameMaker for editing by clicking the Open in FrameMaker icon.

**TIP:** See [FrameMaker integration](#) for best practices around using FrameMaker for editing documents.

If you want to open a topic for editing in FrameMaker from the Assets UI, perform the following steps:

- 1) In the Assets UI, navigate to the topic that you want to edit.
- 2) Switch to asset selection mode and select a topic.
- 3) In the toolbar, click **Open in FrameMaker**.

*The Launch Application dialog appears.*

- 4) Choose Adobe FrameMaker <version> from the **Send To** list and click **Open Link**.
- 5) The Connection Manager dialog appears in FrameMaker.

*Establish a connection with the AEM server and click Connect. The selected file is opened in FrameMaker for editing.*

## Key Resolution

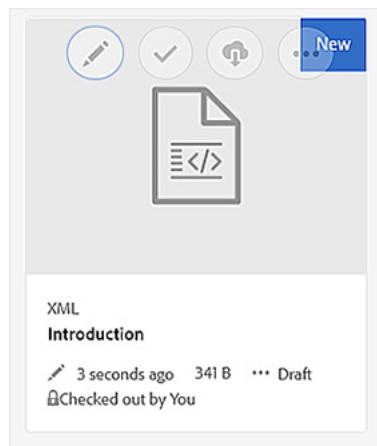
By default, at the time of creating a project, you specify the keyspace file. If you want to use a different keyspace file for the topic, click the Key Resolution icon. You can then choose a different key space from the Key Resolution pop-up.

## Check Out/Check In

Toggles the Check Out and Check In features. When a file is checked out, the current user gets an exclusive write permission on the file. A checked out file can be opened in the Web Editor or FrameMaker for editing. Once you have made the required changes, click the Check In icon to save the file in DAM.

When you check out a topic, the status of the file is shown as checked out in the card view and in the list view of the folder.

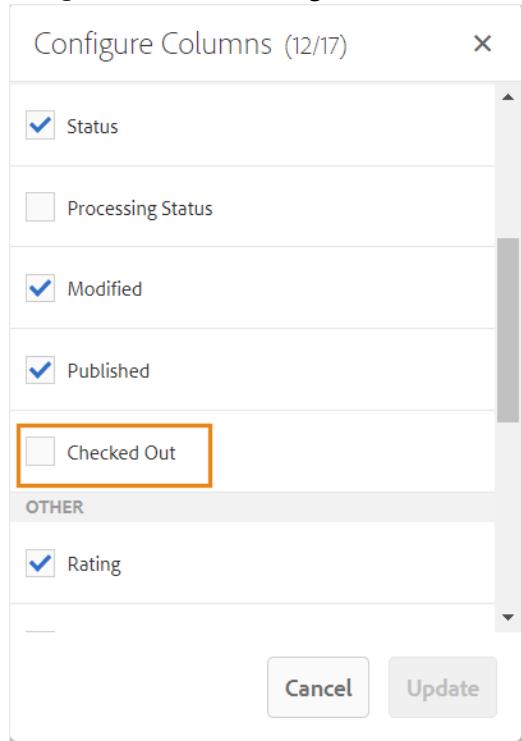
Checked out file in the card view:



Checked out file in the list view:

<input type="checkbox"/>	Title	Locale	Status	Modified	Checked Out
	Introduction			3 minutes ago	

**NOTE:** If the Checked Out column is not visible, select **View Settings** under **List View** and select the **Checked Out** status in the **Configure Columns** dialog.

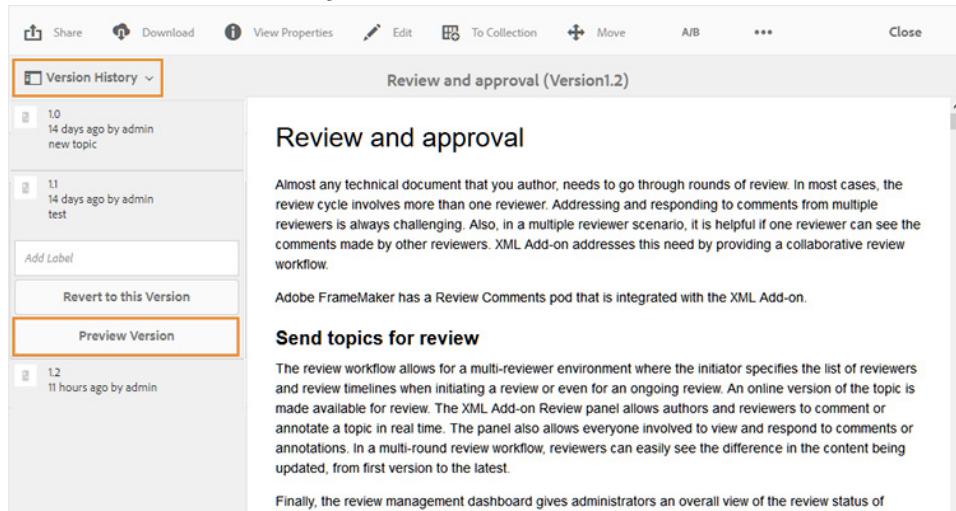


**TIP:** See [Versioning of content](#) for best practices around working with file check-out and check-in.

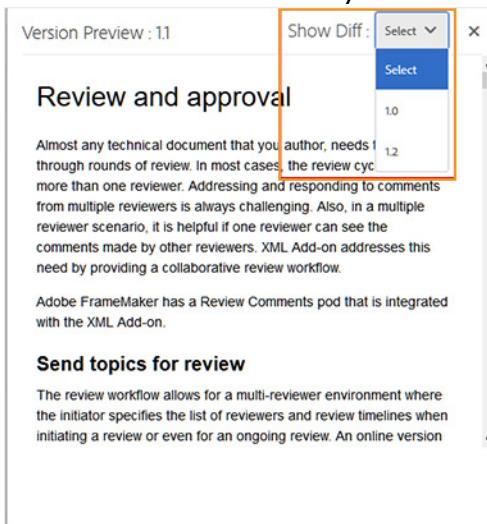
## Web-based version difference

If your topic has undergone some changes, you can easily find out the changes made in different versions of that topic. To find out changes in different versions of a topic:

- 1) Open the topic in Preview mode.
- 2) In the left rail, click **Version History** and select a version.



- 3) From the listed versions, select the one that you want to use as the base version and click **Preview Version**. The preview of the selected version is shown in the Version Preview window.
- 4) From the **Show Diff** list, select the version with which you want to compare the base version.



The changed content is highlighted in the topic preview. Content highlighted in green signifies the newly added content and content in red is the deleted content.

Version Preview : 1.1      Show Diff : 1.2 ▾ ×

4. Enter the title for the task and select the DITA project from the drop-down list.

5. In the Assign To field, select from the drop-down list the reviewers to whom you want to send the topics for review. If you are the project owner, then You can choose user groups and also individual users from this list. If you are not owner of the project, then you can only choose a single reviewer available or user multiple groups.

**NOTE**  
Review workflow is project specific. When you create projects, you define the team in the project and assign them roles. So when you select the project here, you get to choose the assignees who are a part of that project. For more information about projects, see [Create a DITA project](#).

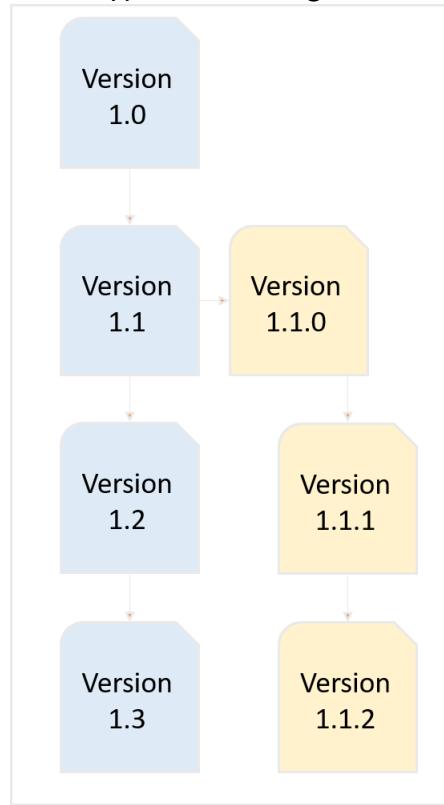
6. Enter the description for the task. This description is used as

## Branch, revert, and subsequent versioning

In a typical authoring environment, you would need to create a new branch of a topic to cater to a specific release. Just like any other version management system, XML Documentation solution allows you to create a branch from an existing version of a topic, or revert to an older version of a topic. Using the version management features offered by XML Documentation solution, you can perform the following tasks:

- Create a branch from an existing version of a topic
- Create subsequent versions in a new branch
- Revert to a specific version of a topic

The following illustration shows the typical branching and subsequent versioning system:



For any new topic, the first version is numbered as 1.0. Thereafter, every new version of the topic is saved with an incremental number such as 1.1, 1.2, and so on. Once you create a branch of a topic, a new branch is created taking the version number from where the branch is created and adding a .0 at the end of the version. As seen in the illustration, a new branch is created from version 1.1 of a topic. The new branch is versioned as 1.1.0. Thereafter, every time you save a new version of the topic in this branch, it gets an incremental version number such as 1.1.1, 1.1.2, and so on.

Similar to branching, you can also revert your working or current version to any version that exists in the repository. To revert to a version, simply select the desired version of the topic and click **Revert to This Version** in the **Version History** panel.

Perform the following steps to create a branch, revert to a version, and maintain subsequent versions of a topic:

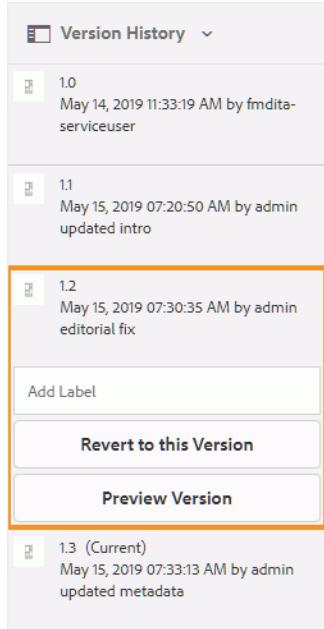
- 1) Access the topic in Assets UI.

*NOTE: You can also open the topic in Preview mode and proceed with Step 3.*

- 2) Select the topic for which you want to create a branch.
- 3) In the left rail, click **Version History**.

*NOTE: A list of versions available for the selected topic are displayed. Each version contains the timestamp, user name, version comment, and label information.*

- 4) Select a version from where you want to create a branch. In the following screenshot, version 1.2 is selected for creating a branch.



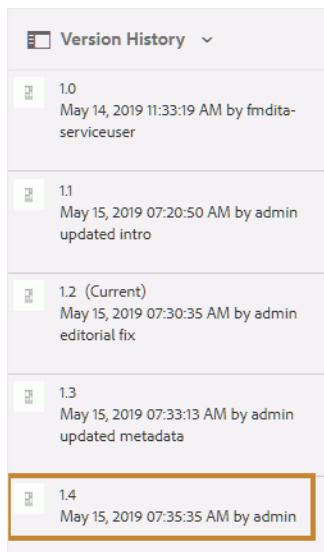
**NOTE:** The current version of a topic contains (Current) mentioned next to the version number.

- 5) Click **Revert to This Version**.

A message appears asking you to confirm the creation of a new branch.

- 6) (Optional) In the message prompt, you get an option to select the **Save The Current Working Copy As A New Version**. The following two actions are possible based on the selection of this option:

- If you select this option, then a branch is created from version 1.2. And, a new version of the topic is also created from the current working copy of the topic and saved as the next version – 1.4.



*Version 1.2 becomes your current working copy of the topic. Any version saved after this is created under the new branch of 1.2. For example, the subsequent version of a new topic in this branch will be saved as 1.2.0.*

Version History	
1.0	May 14, 2019 11:33:19 AM by fmdita-serviceuser
1.1	May 15, 2019 07:20:50 AM by admin updated intro
1.2	May 15, 2019 07:30:35 AM by admin editorial fix
1.2.0 (Current)	May 15, 2019 07:37:29 AM by admin updated intro based on PM feedback
1.3	May 15, 2019 07:33:13 AM by admin updated metadata
1.4	May 15, 2019 07:35:35 AM by admin

- If you do not select this option, then no new version from the current working copy of the topic is created. A new branch is created from version 1.2 of the topic. Any subsequent version of the topic is saved under the 1.2 branch as 1.2.0, 1.2.1, and so on.

Version History	
1.0	May 14, 2019 11:33:27 AM by fmdita-serviceuser
1.1	May 15, 2019 07:39:52 AM by admin updated metadata
1.2	May 15, 2019 07:41:03 AM by admin content updates
1.2.0 (Current)	May 15, 2019 07:42:48 AM by admin a new branch
1.3	May 15, 2019 07:42:00 AM by admin updates made as per PM feedback

7) Click **OK**.

A new branch is created from the selected version of the topic. The above process is also applicable for reverting to a specific version of a topic. Reverting to a specific version technically means that you create a new branch from the selected version and make that version the current working copy of the topic. You can also view the history of files that have been reverted in the Version Revert History report. For more details about this report, see [Reverted files version history report](#).

## Edit topic

You can open a topic for editing from the Assets UI or DITA map console. If you are opening a topic through Assets UI, then follow these steps:

**IMPORTANT:** If you encounter an application error while working on the Web Editor, refresh the page to continue working.

- 1) In the Assets UI, navigate to the topic that you want to edit.
- 2) To get an exclusive lock on the topic, select the topic and click **Check Out**.

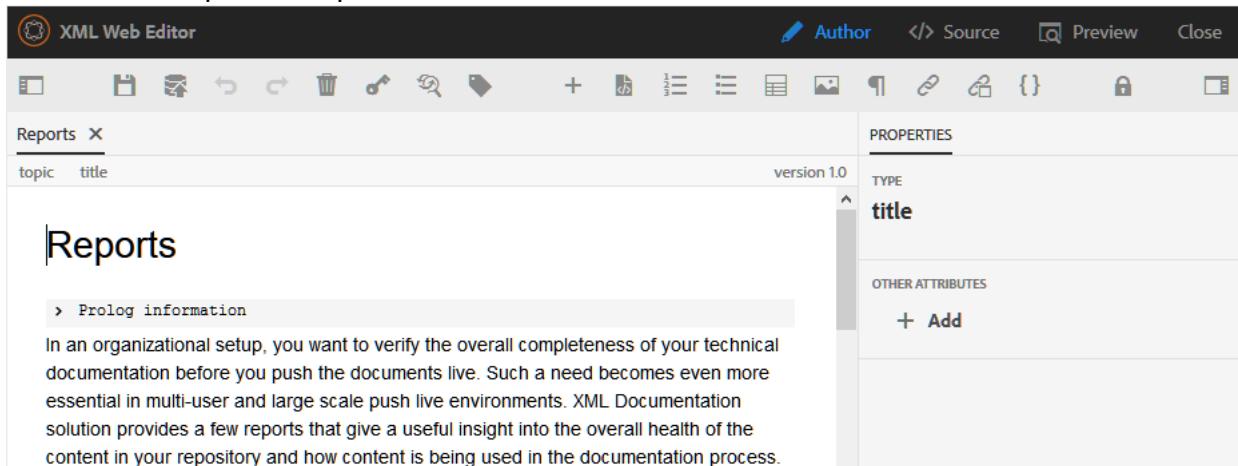
**IMPORTANT:** If your administrator has configured the **Disable Edit Without Checkout** option, then you must check out the file before editing. If you do not checkout the file, then the document will open in the editor in read-only mode.

- 3) Close the asset selection mode and click on the topic you want to edit.

The topic's preview is displayed.

**IMPORTANT:** If you want to open multiple topics for editing, select the desired topics from the Asset UI and click **Edit**. Ensure that your browser does not have pop-up blocker enabled, else only the first topic in the selected list is opened for editing.

- 4) Click **Edit** to open the topic in XML Documentation solution Web Editor.



**NOTE:** Ensure that you are working in the Author mode of the Editor.

- 5) To make changes in your topic, click within the text boundary of the required element and start making changes.
- 6) To insert a specific element, click at the end of the element after which you want to insert the new element and click the required element icon in the toolbar. You can also use the keyboard shortcut Alt+Enter to invoke the **Insert Element** popup.

A list of element appears that can be used in the topic. XML Documentation solution does an intelligent placing of elements as per their valid location in the topic.

**NOTE:** You can also choose which icon to be displayed in the toolbar by configuring the `ui_config.json` file located at - `/etc/designs/fmdita/clientlibs/xmleditor/`. For more information about customizing features, contact your system administrator.

- 7) Once you have finished editing your document, click **Save**.

**NOTE:** If you do not wish to commit changes into AEM repository, click **Close**, and then click **Close Without Checkin** in the Save Revision & Checkin dialog.

If you are opening a topic from DITA map console, follow these steps:

- 1) In the Assets UI, navigate to and click on the DITA map file that contains the topic you want to edit.  
*The DITA map console is displayed.*
- 2) Click **Topics**.  
*A list of topics in the map file are displayed.*
- 3) Select the topic file that you want to edit.
- 4) Click **Edit Topics**.

*The topic is opened in the Web Editor.*

**IMPORTANT:** If your administrator has configured the **Disable Edit Without Checkout** option, then you must check out the file before editing. If you do not checkout the file, then the document will open in the editor in read-only mode.

*Edit the topic in the same way as explained in Steps 5 to 7 in the preceding procedure.*

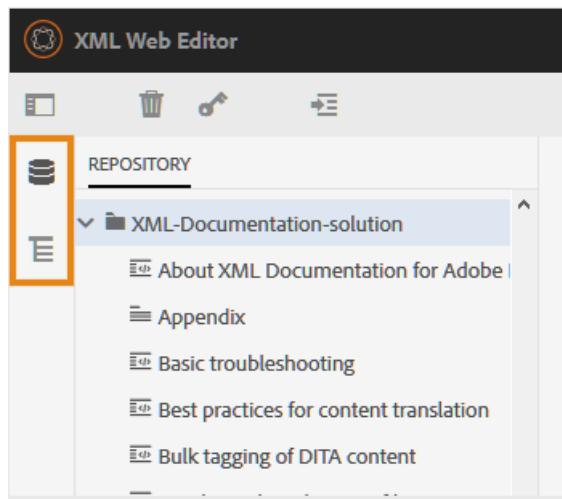
## Know the Web Editor toolbar

This section walks you through the features that you can work with using the Web Editor's toolbar.

**Toggle Left Panels** – 

Toggles the left panel. The left panel gives two different types of views — Repository and Map View.

**NOTE:** The left panel is resizable. To resize the panel, bring the cursor on the panel boundary, the cursor changes to a double-headed arrow, click and drag to resize the panel width.



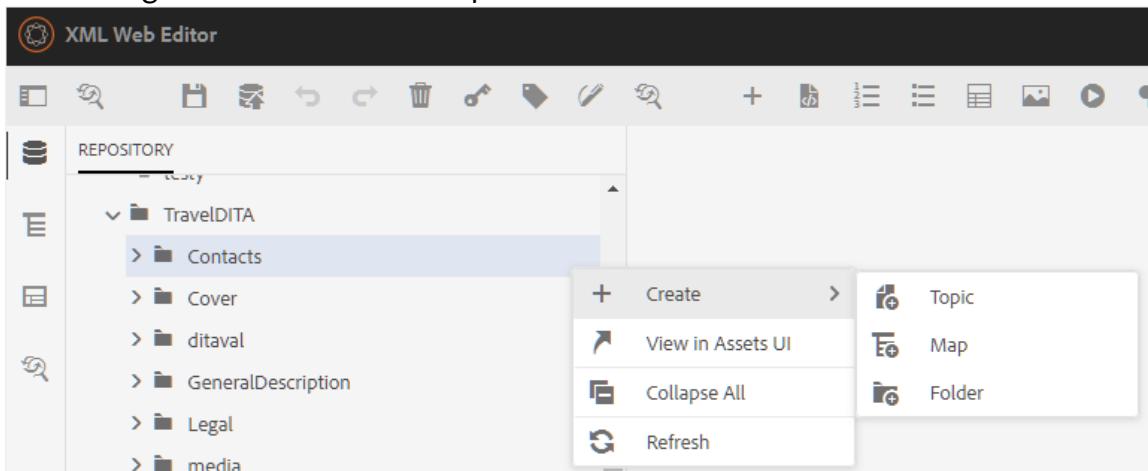
### Repository View

When you click the Repository View icon ( ), you get a list of files and folders available in DAM. You can easily navigate to the required file within DAM and open it in the Web Editor. If you have the required access to edit the file, then you can do so. Being able to navigate and open a file directly from the Web Editor saves time and increases productivity.

In addition to opening files from the left panel, you can also perform the following actions using the Options menu available for a *folder* in the Repository View:

- **Create:** use this to create a new topic, DITA map, or a folder.
- **View in Assets UI:** use this to show the folder contents in the Assets UI.
- **Collapse All:** use this to collapse all open folders in the repository and show only the root-level folders.
- **Refresh:** use this to get a fresh list of files and folders from the repository.

The following screenshot shows the Options menu for a folder:



You can perform the following actions using the Options menu for a *file*:

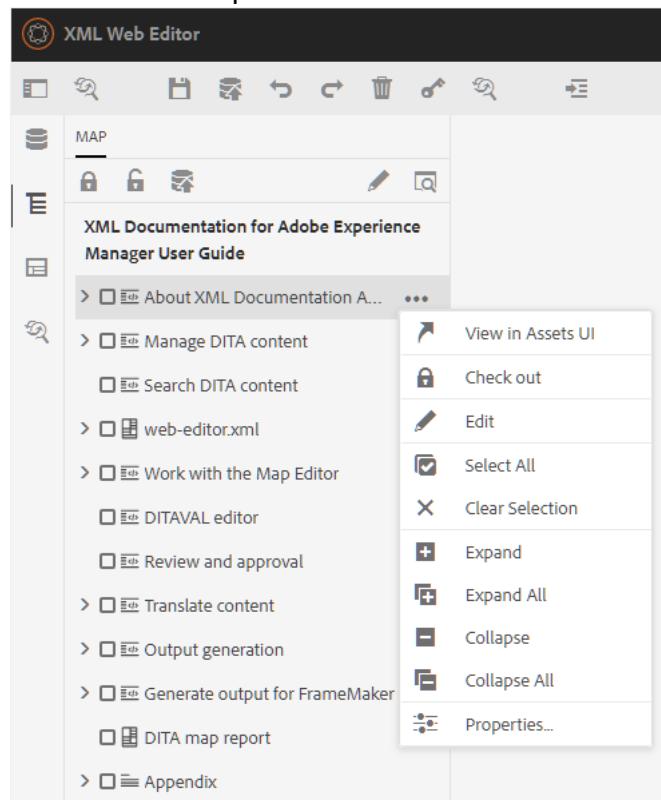
- **View in Assets UI:** use this to show a preview of a *.dita/.xml* file. In case of a *.ditamap/.bookmap* file, the DITA map console is shown.
- **Checkout:** use this to checkout the file. For a checked out file, this option changes to **Check In**.
- **Edit:** use this to open the file for editing. In case of a *.ditamap/.bookmap* file, it is opened in the Advanced Map Editor for editing.
- **Collapse All:** use this to collapse all files in the repository. Only the top-level folders in the repository are shown.
- **Properties:** use this to open the properties page of the selected file. This properties page can also be accessed from the Assets UI by selecting a file and clicking on the Properties icon in the toolbar.

### Map View



When you click the Map View icon (E), you get a list of topics within the map file. If you have not opened any map file, then the Map View appears blank. You can double-click on any file within the map to open it in the Web Editor. If you have editing rights on the map files, you will be able to edit the files as well. For more information about opening and editing a topic through DITA map, see [Edit topics through DITA map](#).

The following screenshot shows the Options menu for a file in the DITA Map View:



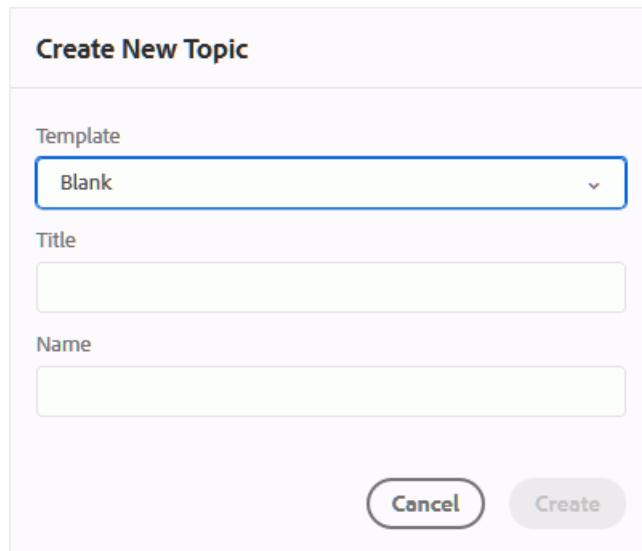
You can perform the following actions using the Options menu:

- **View in Assets UI:** use this to show a preview of a *.dita/.xml* file. In case of a *.ditamap/.bookmap* file, the DITA map console is shown.

- **Checkout:** use this to checkout the file. For a checked out file, this option changes to **Check In**.
- **Edit:** use this to open the file for editing. In case of a *.ditamap/.bookmap* file, it is opened in the Advanced Map Editor for editing.
- **Select All:** use this to select all files in the map. On the selected files, you can perform bulk operations such as check out or check in or save. For a selected file, this option changes to **Clear Selection**.
- **Expand/Expand All:** use **Expand** to expand only the currently selected topic or map file. Use **Expand All** to expand all topics or map files in the map.
- **Collapse/Collapse All:** use **Collapse** to collapse only the currently selected topic or map file. Use **Collapse All** to collapse all topics and map files in the map.
- **Properties:** use this to open the properties page of the selected file. This properties page can also be accessed from the Assets UI by selecting a file and clicking on the Properties icon in the toolbar.

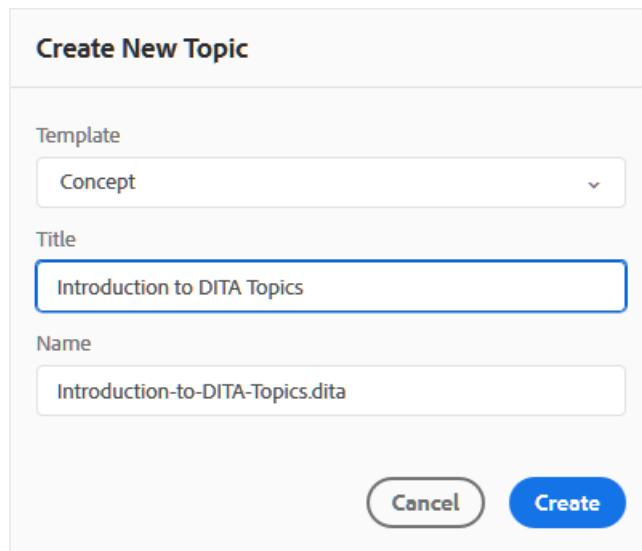
#### ***Create a topic using the Options menu***

When you choose to *create a new topic* from the **Options** menu, you get the following dialog:



In the **Create New Topic** dialog, provide the following details:

- A template on which the topic will be based. For example, for an out-of-the-box setup, you can choose from the Blank, Concept, DITAVAL, Reference, Task, Topic, and Troubleshooting templates.  
*If your folder has a Folder Profile configured on it, then you will see only those topic templates that are configured on the Folder Profile.*
- A Title for the topic.
- (Optional) The file name for the topic. The file name is auto-suggested based on the topic Title.

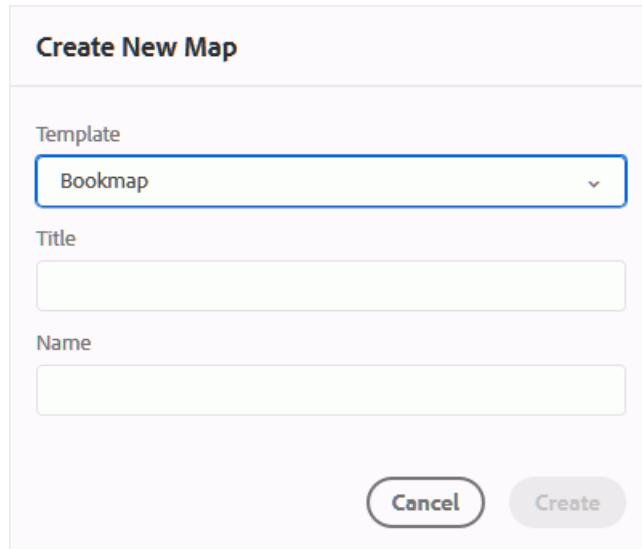


The dialog box is titled "Create New Topic". It contains three input fields: "Template" (set to "Concept"), "Title" (set to "Introduction to DITA Topics"), and "Name" (set to "Introduction-to-DITA-Topics.dita"). At the bottom are "Cancel" and "Create" buttons.

When you click **Create**, the topic is created and added within the folder from where the create topic option was executed. Also, the topic is opened in the Web Editor for editing.

#### ***Create a DITA map using the Options menu***

When you choose to *create a new DITA map* file from the **Options** menu, you get the following dialog:

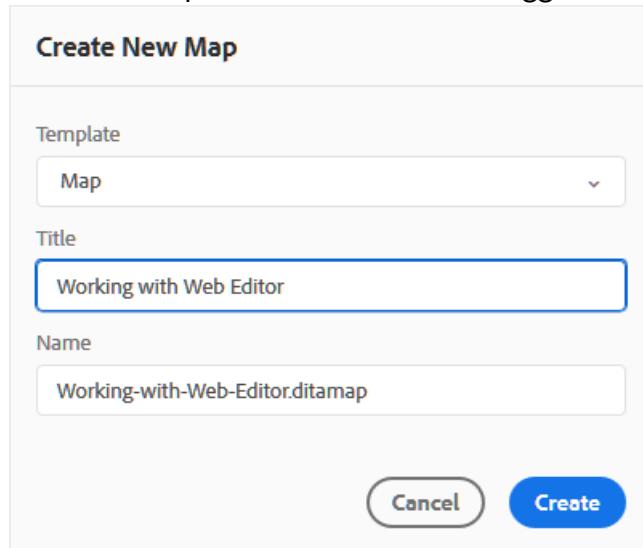


The dialog box is titled "Create New Map". It contains three input fields: "Template" (set to "Bookmap"), "Title" (empty), and "Name" (empty). At the bottom are "Cancel" and "Create" buttons.

In the **Create New Map** dialog, provide the following details:

- A template on which the map will be based. For example, for an out-of-the-box setup, you can choose from the Bookmap or DITA map templates.
- A **Title** for the map.

- (Optional) The file name for the map. The file name is auto-suggested based on the map Title.

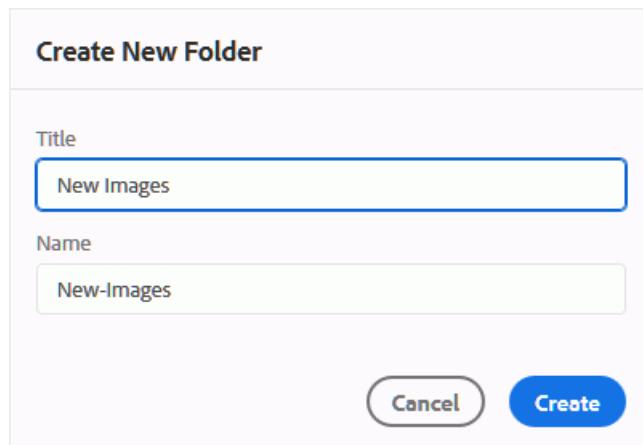


The dialog box is titled "Create New Map". It has a "Template" dropdown set to "Map". The "Title" field contains "Working with Web Editor". The "Name" field contains "Working-with-Web-Editor.ditamap". At the bottom are "Cancel" and "Create" buttons.

When you click **Create**, the map is created and added within the folder from where the create topic option was executed. Also, the map is opened in the Map View. You can open the map file in the Map Editor and add topic to it. For more information about adding topics to a map file, see [Add topics to a map file](#).

#### *Create a folder using the Options menu*

When you choose to *create a new folder* from the **Options** menu, you get the **Create New Folder** dialog:

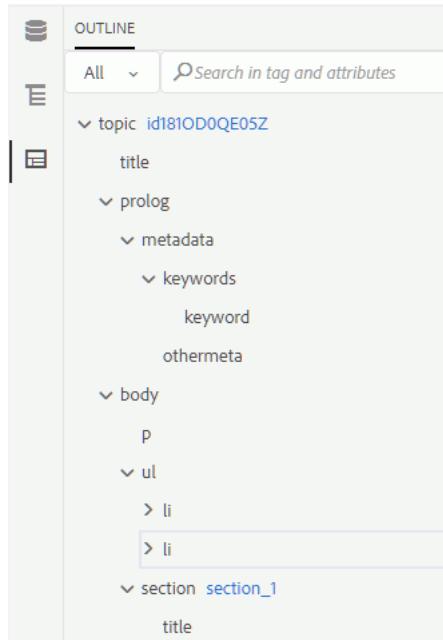


The dialog box is titled "Create New Folder". The "Title" field contains "New Images". The "Name" field contains "New-Images". At the bottom are "Cancel" and "Create" buttons.

Enter a **Title** for the folder, which is auto-converted into the folder name. When you click **Create**, the folder is created and added within the folder from where the create folder option was executed.

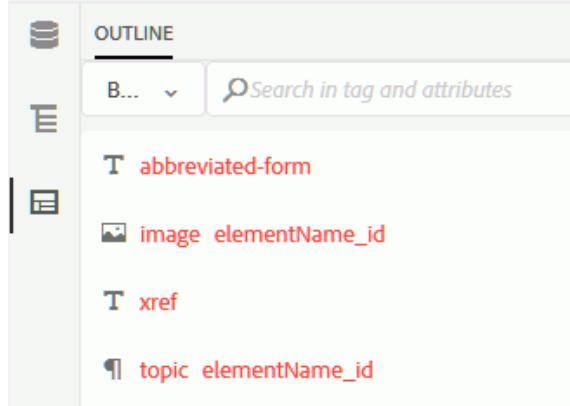
### Outline View

When you click the Outline View icon (  ), you get the hierarchical view of the elements used in the document.



The Outline View offers the following features:

- A tree view of all elements used in the document.
- If an element has an ID, it is shown along with the element.
- Access Outline View in both Author and Source views.
- Use the filter drop-down list to show all elements or only the broken references:



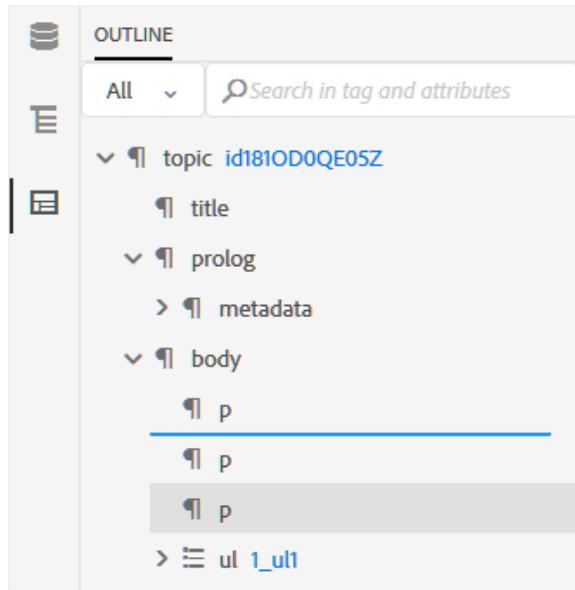
- Clicking on an element in the Outline View selects the element's content in the Author or Source view.

The screenshot shows the XML Documentation solution editor interface. On the left, the Outline View displays a hierarchical tree of DITA elements under a topic node. One element, a list item, is selected and highlighted with a blue border. On the right, the main content area titled "Work with the Web Editor" contains information about the editor's features, including its DITA-awareness and file management capabilities. The selected list item is also visible in the content area.

- Drag and drop elements. You can easily replace an element by dropping another element on it. If you drag and drop an element over another element and you see a square box around the element, it indicates that the element will get replaced. It replaces the element on which the element is dropped.

The screenshot shows the XML Documentation solution editor interface. The Outline View on the left displays a hierarchical tree of DITA elements. A specific element, a paragraph tag, is selected and highlighted with a thick blue rectangular border. This visual cue indicates that the element is currently being targeted for replacement or modification.

If you drag and drop an element, a horizontal bar indicates that the element can be placed at the current location.



- The **Options** menu in the *Outline View* allows you to perform generic operations such as Cut, Copy, Delete, Generate ID, Insert element before or after the current element, [Rename or replace an element](#), and [Unwrap an element](#).
- Search for an element by its name or attribute value.

## Save All -

Saves the changes you have made in all opened topics. If you have multiple topics opened in the Web Editor, clicking **Save All** or using the **Ctrl+S** shortcut keys saves all documents in one click. You do not have to individually save each document.

**NOTE:** The *Save* operation does not create a new version of your topics. To create a new version, choose *Save Revision*.

## Save Revision -

Saves the changes you have made in your topic and also creates a new version of your topic. If you are working on a newly created topic, doing a Save Revision creates the first version of the topic in DAM which also becomes the currently active version of your topic. Later, if you revert to an older version of the topic, then that becomes your current active version of the topic.

At the time of saving a topic, you can add a comment specifying the changes that you have made in the topic. This comment is shown in the topic's Version History.

If your topic is under review, your reviewers will get a notification saying that a newer version of the topic is available. They can easily access the latest revision of your document and continue reviewing the last version of your topic.

The current version number of the document is displayed in the right corner of the editor.

A screenshot of a web browser window titled "Manage content using DITA project". The title bar includes tabs for "topic" and "title". In the top right corner, the text "version 1.0" is displayed within a small orange-bordered box. Below the title bar, the main content area has a heading "Manage content using DITA project". Underneath it, there is a link "Prolog information" and a descriptive text: "Before you start with the actual content creation, you must familiarize yourself with some".

When you hover your pointer over a topic's title, you are shown the file path and the version number.

A screenshot of the same "Manage content using DITA project" interface. A cursor is hovering over the "title" tab in the title bar. A tooltip or pop-up window appears, displaying the file path "/content/dam/XML-Doc-Sol/User Guide/authoring.xml (1.0)" and the version number "version 1.0", both enclosed in a light gray box.

**NOTE:** Once a version of your topic is available, you can also add labels to your topic. These labels can then be used to create a baseline for publishing a specific version of your document. For more information about using labels in your topics, see [Upload existing files](#).

**Undo and Redo** – /

Undo or Redo the last action.

**Delete Element** –

Deletes the currently selected element or the element where the cursor is placed.

**Key Resolution** –

If you want to use a different keyspace file for the topic, click the Key Resolution icon. You can then browse to and choose a different key space from the Set Keyspace pop-up.

**Toggle Tags View** –

Tags are visual cues indicating an element's boundaries. An element boundary marks the beginning and end of an element. You can then use these boundaries as a visual cue to place the insertion point or select the text within a boundary. If you want to insert another element before or after an element in the document, you can place the insertion point before or after the opening or closing boundary of the element.

The following screenshot shows a document with Tags View on:

The XML Documentation solution comes with an easy-to-use web-based Web Editor for creating and editing documents. The editor hides all the complexities of the DITA structure from the writer. The editor provides a list of DITA user would usually need to work within a document.

Also, the Web Editor is DITA-aware and it supports DITA 1.3, 1.2 standards, lightweight DITA, and also special implies that it will not allow you to place elements at locations that are not in accordance with the DITA standards. This allows you to work with the most commonly used block and in-line elements.

The Web Editor also works as the file management system by providing the following capabilities:

- - **li**
    - **p** Single or multiple files check-in and check-out.

The following operations can be performed in a document with Tags View on:

- **Select an element:** Click on the opening or closing tag of an element to select its content.
- **Expand or collapse tags:** Click on the + or - sign in a tag to expand or collapse it.
- **Use the context menu:** The context menu provides options to cut, copy, or paste the selected element. You can also insert an element before or after the selected element. The other options allow you to Generate ID or open the Properties panel for the selected element.
- **Drag-and-drop elements:** Select an element's tag and easily drag-and-drop it on your document. If the drop location is a valid location where the element is allowed, the element is placed at the dropped location.

### Enable/Disable Track Changes

You can keep a track of all updates made on a document by enabling the Track Changes mode. After enabling the track changes, all insertions and deletions are captured in the document. All deleted content is highlighted using strikethrough and all insertions are highlighted in green color text. In addition, you also get the change bars at the edge of the topic page. Again, a red bar is shown for deleted content and green bar is shown for added content. In case there is addition and deletion on the same line, then both green and red bars are shown.

The following screenshot highlights the deleted and inserted content along with the change bars:

## Use the drink dispenser

When in space it 'is important to stay hydrated, but at the same time it could be difficult to drink fluids without having liquid floating around.~~deletion~~ Sample insertion.

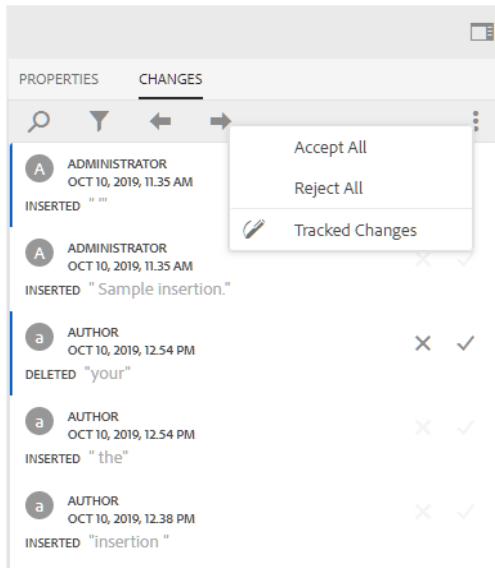
1. (drink dispenser)Launch your personal Primary Control dialog.
2. Select the **Drinks**.

ADDITIONAL INFORMATION:

A typical use case for tracking changes in a document can be for doing peer review. You can enable track changes and share your document for review, the reviewer then makes changes with track changes ON. When you receive the document, you should then have a mechanism to view the suggested updates along with a convenient way to accept or reject changes.

XML Documentation solution provides the Changes panel that contains information about the updates made in the document. The Changes panel provides information about what updates were made, who made them, and at what time. Using the Changes panel, you can also easily accept or reject the suggested updates in the document.

To view the Changes panel, toggle the right panel icon. The right panel contains the Properties and Changes tabs.



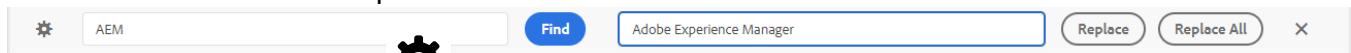
Clicking on a change selects the changed content in the document. You can accept a change by clicking the check mark or reject it by clicking the cross.

If you want to accept or reject all changes with a single click, click the more icon and select **Accept All** or **Reject All**. You can also enable or disable the track changes mode from the more menu.

**NOTE:** The Preview mode allows you to view the document with or without the changed content's markups. For more details, see the [Preview mode](#).

## Find and Replace –

The Find and Replace feature is available in Author and Source view modes. The Find and Replace text bar appears at the bottom of the topic editing area. You can use the shortcut keys **CTRL+F** to invoke the Find and Replace bar.



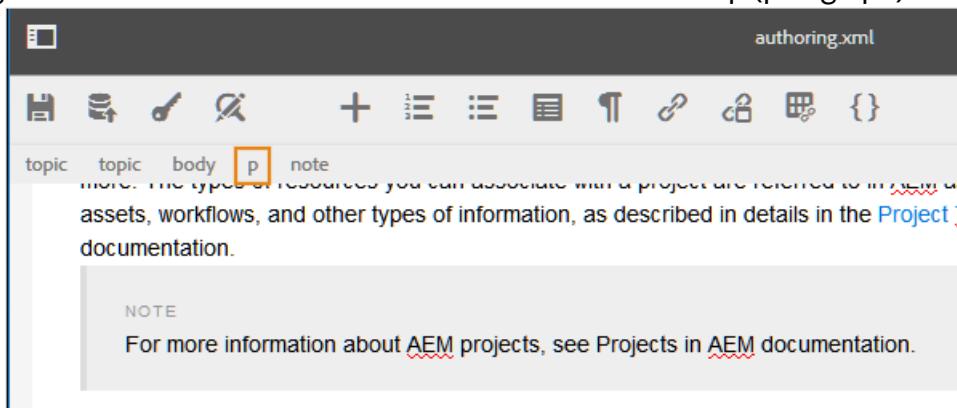
Using the settings icon (  ), you can turn on the **Ignore Case** option to perform the case-insensitive search. Else, if you want to perform the case-sensitive search, turn off (or select) the **Ignore Case** option. You can also choose to search a whole word.

The search is instantaneous, which means that as you type the search phrase or word in the **Find** field, the term is immediately searched and selected in the topic. Similarly, for replacing a text in your topic, enter the search term and its replacement in the respective fields and click the **Replace** or **Replace All** button.

In the Source view, the Find and Replace is extremely useful for searching for a specific element or attribute. For example, if you want to replace the value of the `@product` attribute, it can be easily done from the Source view. The Author view does not allow you to search on the basis of an attribute or element. However, you must use caution while using the **Replace All** feature, as it might overwrite the XML code.

## Insert Element –

Inserts a valid element at the current or next valid location. If you are working in a block element like a note, then use the Insert Element icon to insert a new element after the note element. In the following screenshot a note element has been inserted inside the p (paragraph) element:



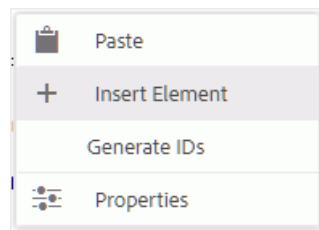
If you press Enter in the note element, a new paragraph is created within the note element itself. To insert a new element outside note, click the p element (highlighted in screenshot) in the elements breadcrumb and click on the Insert Element icon or press **Alt+Enter** to open the Insert Element pop-up. Then, select the desired element and press Enter to insert the selected element after the note element.

You can also add an element between two elements when a blinking block cursor appears.



For example, if you are working on a DITA topic, and the block cursor is blinking between the short description and the body, you can add `prolog` element and then add copyright, author and other details.

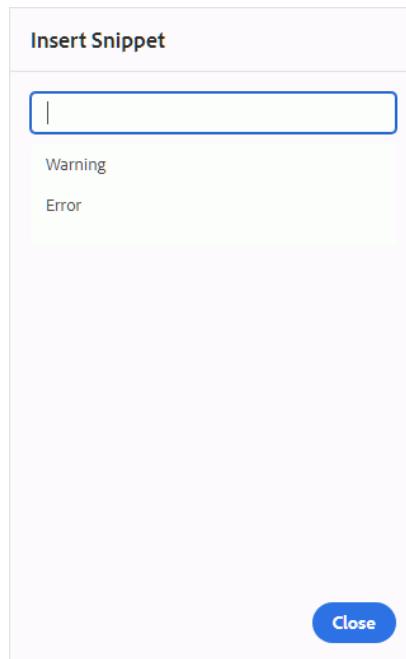
Another way of entering new element is by using the context menu. Right-click at any place in your document to invoke the context menu. From this menu choose Insert Element to display the Insert Element dialog and choose the element that you want to insert.



Inserts a snippet at the current or next valid location. For this feature to work, your administrator must have defined the snippets in a JSON file. Then, the location of that file has to be configured in the **Snippets Config Path** in the `XmlEditorConfig` bundle. For more information about adding a snippet file, see *Configure snippets* section in XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

When you click the Insert Snippet icon, you are shown the Insert Snippet catalog. The catalog is context-sensitive, which indicates that it will show the snippets only if they are allowed at the current location.

The following example shows two pre-configured snippets - Warning and Error that can be inserted at the current location in the document.



When you choose a snippet from the list, it gets inserted at the current or next valid location in the document. The following screenshot shows the Error snippet inserted in the document:

A screenshot of a 'Content structure' guide. It starts with the heading 'Content structure' and a sub-section 'The information in this guide is organized as follows:'. Below this, there is a yellow-bordered box containing a yellow warning icon with a black exclamation mark and the text 'This is an error: |'.

#### Insert/Remove Numbered List –

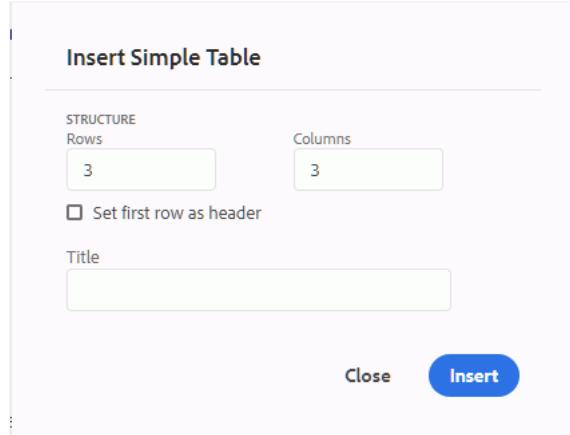
Creates a numbered list at the current or next valid location. If you are on a numbered list and click this icon, the item is converted into a normal paragraph.

#### Insert/Remove Bulleted List –

Creates a bulleted list at the current or next valid location. If you are on a bulleted list and click this icon, the item is converted into a normal paragraph.

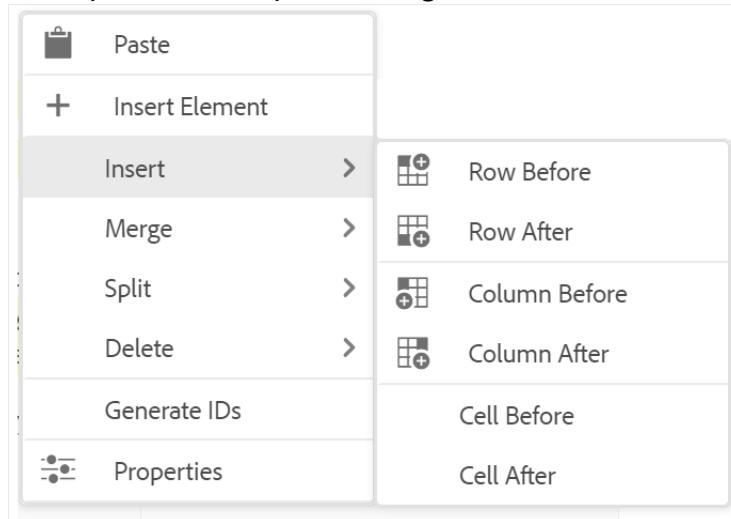
## Insert Table -

Inserts a table at the current or next valid location. Click the Insert Table icon to open the insert Table dialog:



You can specify the number of rows and columns required in the table. If you want to keep the first row as table header, select the Set First Row As Header option. To add a title to your table, enter it in the Title field.

Once a table is inserted, you can modify table using the context menu.



Using the table's context menu, you can:

- Insert cells, rows, or columns
- Merge cells in right and down directions
- Split cells horizontally or vertically
- Delete cells, rows, or columns
- Generate IDs

You can also define attributes on multiple cells, entire row or column of a table. For example, to align table cell, drag and select the required cell. In the Properties panel (on the right), the property **Type** changes to **Multiple Entry**. In the Other Attributes section, click the **Add** button and select the **@align** attribute from the list. From the value drop-down list, select the desired text alignment you want to apply on the selected table cells.

The screenshot shows the DITAVAL editor interface. On the left, there's a navigation bar with items like topic, body, section, ol, li, p, table, tgroup, thead, row, and entry. Below it is a sample table with three columns labeled Head, Head 2, and Head 3. On the right, there's a Properties panel with tabs for PROPERTIES, REVIEW, and CHANGES. The PROPERTIES tab is active, showing 'TYPE' set to 'Multiple entry'. Under 'OTHER ATTRIBUTES', there's a dropdown menu for 'align' with 'center' selected. A '+ Add' button is also visible.

### Insert Image –

Inserts an image at the current or next valid location. Click the Insert Image icon to open the Insert Image dialog and then search and select the image you want to insert.

The screenshot shows the 'Insert Image' dialog. It has sections for 'Select File' (with a file browser icon) and 'Select Keyref' (with a dropdown menu and a search icon). Below these are fields for 'Figure Title' and 'Alternate Text'. At the bottom are 'Close' and 'Insert' buttons.

You can add image title and alternate text for the image in the Insert Image dialog.

You can search for the required image file by entering the file name in the Type to Search bar at the top and also filter the search results by Path (to search in), Collections, File Type, and Tags. Once you

have found the required image file, select the file and click Select to insert the image in your document. You can insert various formats of image files, such as .png, .svg, .gif, .jpg, .eps, .ai, .psd, and more.

Once you have inserted an image, you can change the height, width, placement, and attributes from the Image Properties panel. Right-click on an image file and choose Properties from the context menu, then make changes in the Properties panel in the right rail.

The screenshot shows the AEM Web Editor interface. The title bar says 'About XML Documentation for A... X How XML Documentation solution... \* X'. Below it, the navigation bar shows 'topic body image'. The main content area displays the heading 'How XML Documentation solution works' and a diagram illustrating the workflow between 'Authoring' and 'Any DITA Editor' through the 'Adobe Experience Manager XML Documentation Solution'.

The 'Properties' panel on the right is highlighted with an orange border. It contains the following information:

- TYPE:** image
- SOURCE:** images/xml-add-on-how-it-works.pr
- DIMENSIONS:** Width: 1280, Height: 765 (with a lock icon)
- PLACEMENT:** Inline (radio button selected)
- OTHER ATTRIBUTES:** scale: 60.00
- Add** button

You can resize an image by providing either Height or Width value for the image file. The aspect ratio of the image is maintained automatically. If you want, you can also choose not to maintain the aspect ratio of the image file by clicking the lock icon (of Maintain Aspect Ratio) and providing Height and Width values. You can also specify the Placement setting for the image as Inline or Break. In case you choose to use the Break placement option, you can then choose where to place align the image (Left, Center, or Right).

You can also add other properties for an image file by clicking **+Add** and specifying other properties.

**NOTE:** You can also define clickable areas (image map) in your image. For more details, see [Insert/Edit Image Map](#).

## Insert Multimedia –

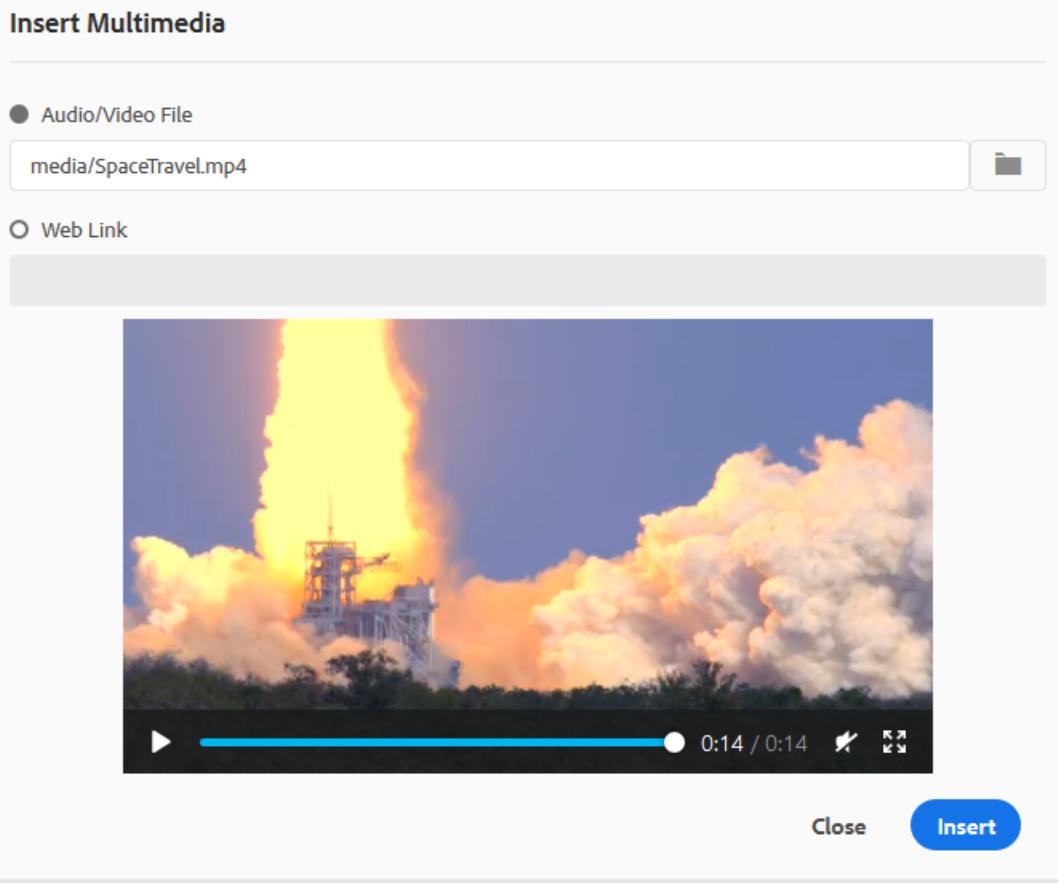
Inserts different types of multimedia files. Click the Insert Multimedia icon and choose the type of file you want to insert. The supported multimedia formats are:

- Audio File
- Video File
- YouTube
- Vimeo

On selecting the Audio or Video file option, you are shown the repository view to browse and select the desired file. If you choose YouTube or Vimeo, then you get the Insert Multimedia dialog. Paste the link of the video file in the Web Link field and click Insert to add the video at the current or next valid location in your document.

**NOTE:** While adding a YouTube video link, you need to replace the string `watch?v=` with `embed` in the URL. For example, to add a YouTube video link: `https://www.youtube.com/watch?v=W1IKQ0rmZcs`, you need to add it as: `https://www.youtube.com/embed/W1IKQ0rmZcs`. This change ensures that the video gets embedded in the AEM Site and PDF output.

You can also add the Audio or Video File from the Insert Multimedia dialog. Select the Audio/Video File option and click the browse icon to launch the repository view. Select the audio or video file from the repository and click Select to add the link of the file in the Audio/Video File field. In case you choose a video file, then a preview of the file is also shown in the Preview area. You can play the video file to see its preview.

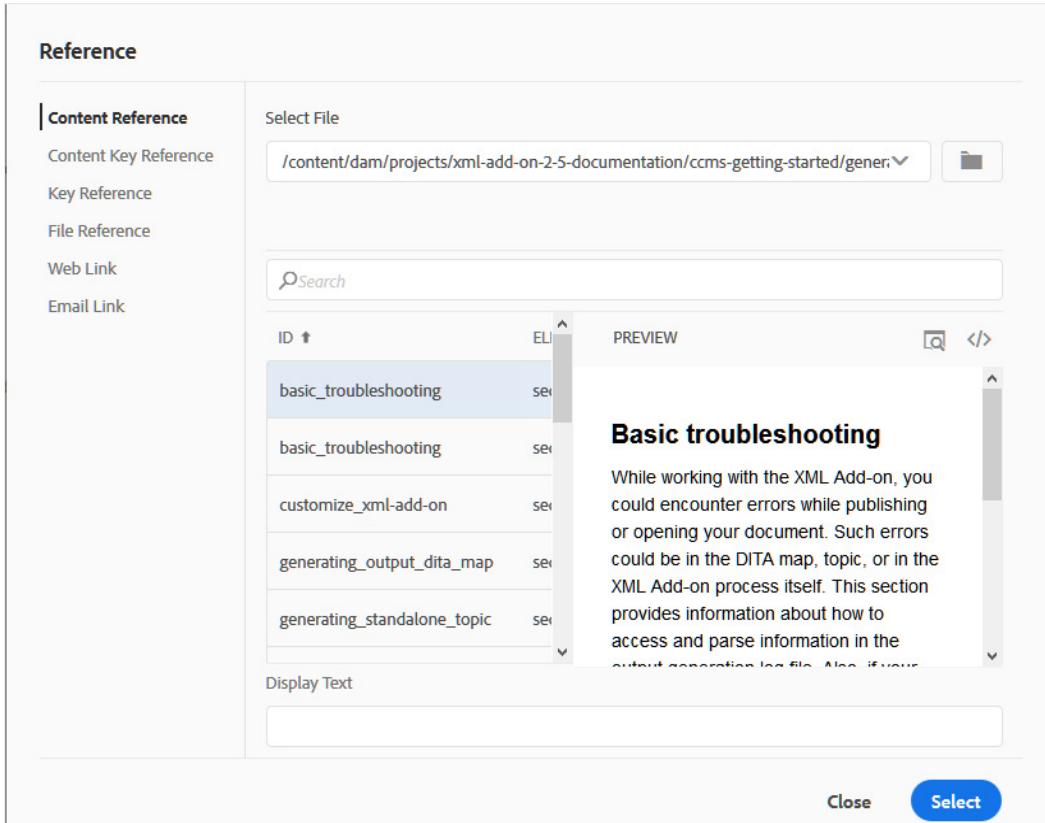


## Insert Paragraph – ¶

Insert paragraph element at the current or next valid location.

## Insert References –

Insert references of type — Content Reference, Content Key Reference, Key Reference, File Reference, Web Link, or Email Link.



The screenshot shows the 'Reference' dialog box. On the left, under 'Content Reference', the 'Content Key Reference' option is selected. The main area shows a list of items:

ID	ELI	PREVIEW
basic_troubleshooting	selected	<b>Basic troubleshooting</b> While working with the XML Add-on, you could encounter errors while publishing or opening your document. Such errors could be in the DITA map, topic, or in the XML Add-on process itself. This section provides information about how to access and parse information in the output generation log file. Also, if your
basic_troubleshooting	selected	
customize_xml-add-on	selected	
generating_output_dita_map	selected	
generating_standalone_topic	selected	

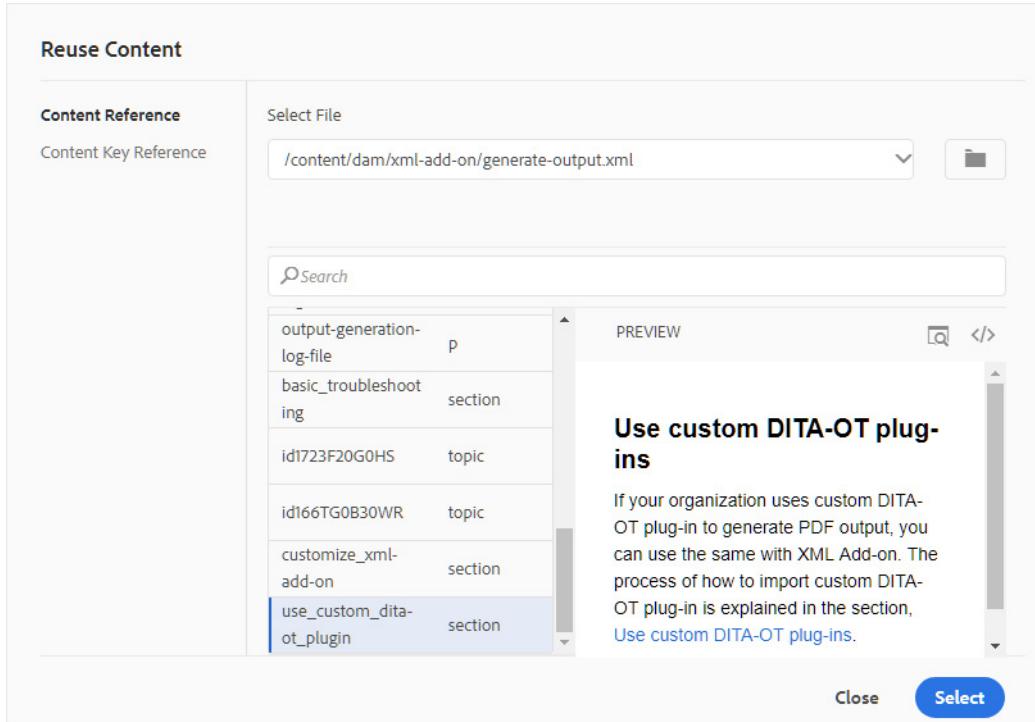
At the bottom right of the dialog are 'Close' and 'Select' buttons.

A link of the selected reference is added in the document.

**TIP:** See [References](#) for best practices around referencing content.

## Reuse Content -

Reuse content that exist within any other document in your project. You can insert content by directly linking to the content in a file or by using a key references, see [Resolve key references](#). When you click the Reuse Content icon, you get the Reuse Content dialog:



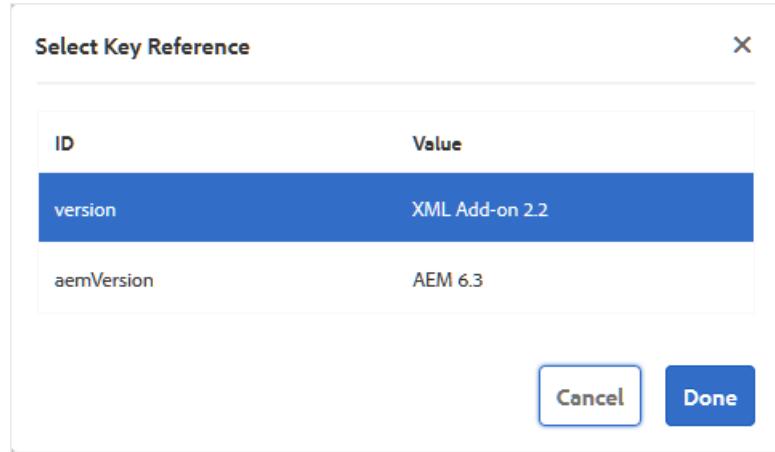
In the Reuse Content dialog, select DITA file for file references or the DITA map file that contains the key references. Once selected, the topic or key references are shown in the dialog. You can select the ID/key of the topic that you want to insert and click Done to insert the content within your topic.

**NOTE:** To add content before or after the referred content, use **Alt+Left Arrow** or **Alt+Right Arrow** keys to move the cursor to the desired location.

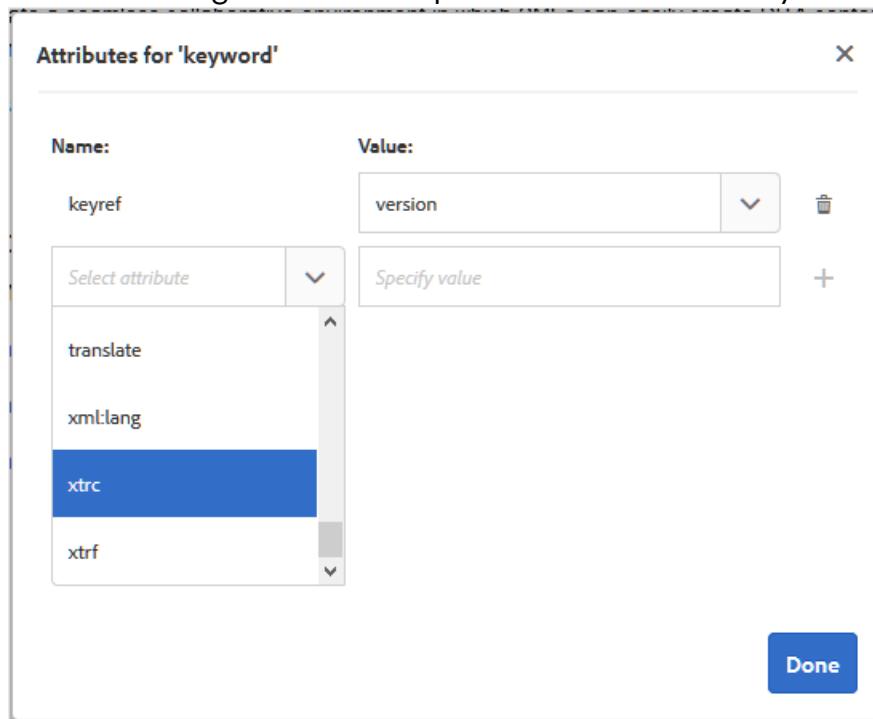
You can also embed the referred content with in the topic by right-clicking on the referred content and choosing **Replace Reference With Content** from the context menu.

## Insert Keyword – { }

Insert keyword defined in your DITA map. Click the Insert Keyword icon to open the Select Key Reference dialog.



The keywords defined in your DITA map are listed in this dialog. Choose the keyword that you want to insert and click Done. You can also change the attributes of the inserted keyword by right clicking on the keyword and selecting the Attributes option. The Attributes for Keyword dialog opens:

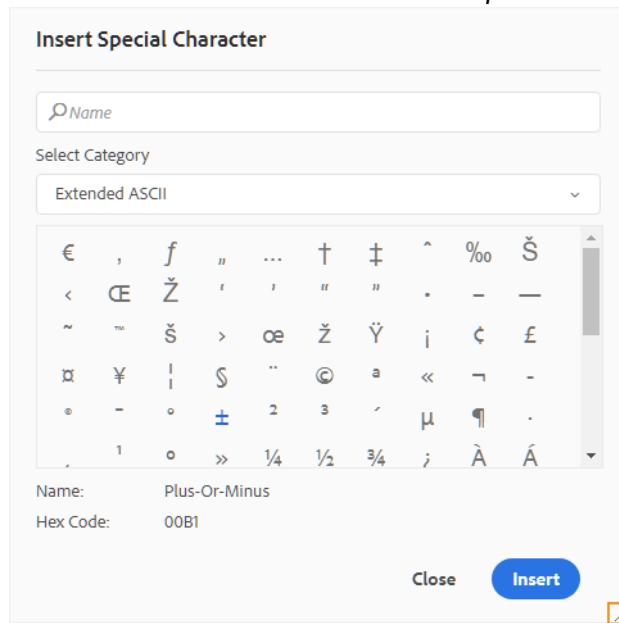


You can change the keyword's attributes or add a new attribute to the keyword.

## Insert Special Characters

Inserts special characters in your topic. Click the Insert Special Character icon to open the Insert Special Character dialog.

**NOTE:** XML Documentation solution provides movable and resizable dialog boxes. Dialogs that have two cross lines at the bottom right corner can be resized. The cross lines in the Special Character dialog are shown below.



In the Insert Special Character dialog, you can search for a special character using its name. All special characters are stored under various categories. Use the Select Category drop-down list and select a category. The special characters available within the selected category are displayed. You can navigate the list of special character using the arrow keys or click on the desired character that you want to insert. The Name and Hex Code of the selected special character are displayed below the list. Click Insert to insert the selected character in your document.

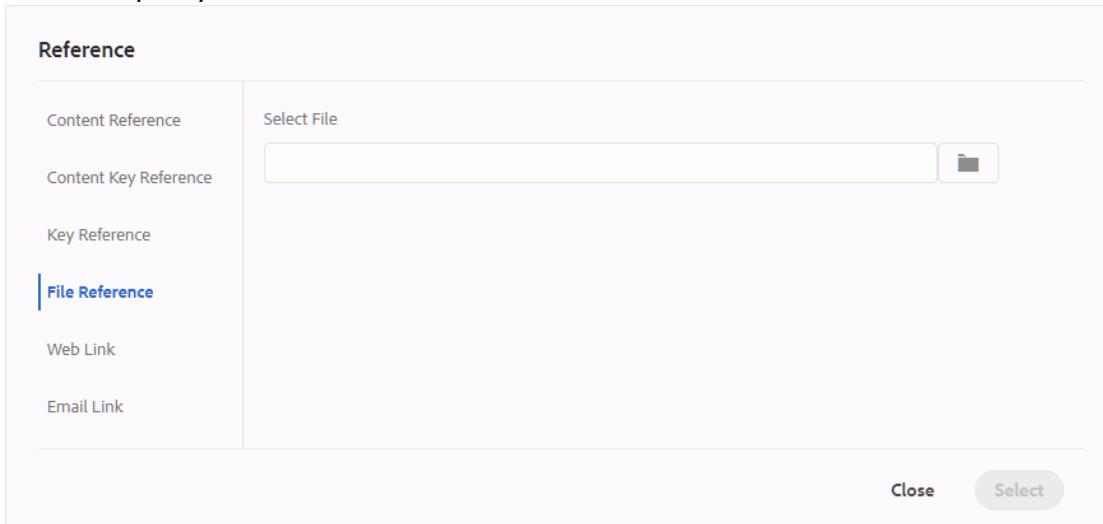
## Insert/Edit Image Map -

Inserts an image map on the selected image. An image with clickable areas that link to topics or web pages is called an image map.

Select an image in the current topic and click the Insert/Edit Image Map icon to open the insert Image Map dialog.



Choose the preferred shape (Rectangle , Circle , or Polygon ) to define an area over an image that you want to use as a link. After defining an area, the Reference dialog appears wherein you need to specify the link to internal or external content:



If areas overlap, you can bring the shape forward or send it backward by clicking on the respective icon in the toolbar. You can also remove an area by selecting it and clicking the Delete icon. Double clicking on an area opens the Reference dialog wherein you can change the destination link. Once you have marked the required areas on your image, save the changes by clicking Done.

**Checkout/Checkin –  / **

Checks out or checks in the current file. Checking out a file gives the user exclusive write access on the file. When the file is checked-in, the changes are saved and a new revision of the file is created.

If you are in the Map View and you expand the parent map, you can lock all files in the map with a single click. Simply expand the parent map file and select the parent file, which results in selecting all files within the map. Then you can click on the Checkout and Lock icon to get the lock on all files within the map. In a similar way, you can also cancel checkout of all files in the map.

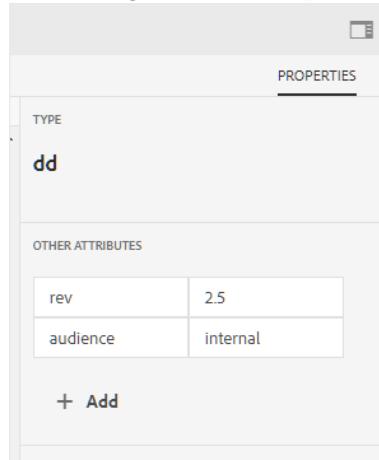
**Toggle Right Panel – **

The right panel contains the information about the type of currently selected element in the document and its attributes. You can also add attributes by clicking on the Add icon, selecting the attribute, and specifying the attribute's value.

**NOTE:** Even if your topic contains referenced content, you can add attributes on it using the properties panel.

If your administrator has created a profile for attributes, then you will get those attributes along with their configured values. Using the properties panel you can choose those attributes and assign them to relevant content in your topic. This way you can also create conditional content, which can then be used to create conditional output. For more information about generating output using conditional presets, see [Use condition presets](#).

**NOTE:** The right panel is resizable. To resize the panel, bring the cursor on the panel boundary, the cursor changes to a double-headed arrow, click and drag to resize the panel width.



If your document is shared for review, you will see the Review and Changes tabs. Clicking the Review tab opens the comments panel wherein you can view and post replies on the comments given on the topic. For more information, see Addressing review comments using the [Web Editor](#).

## Keyboard shortcuts in the Web Editor

There are many operations in the Web Editor that you can perform using the keyboard shortcuts. The following table lists these keyboard shortcuts:

*NOTE: The letter keys in the keyboard shortcut are case-insensitive.*

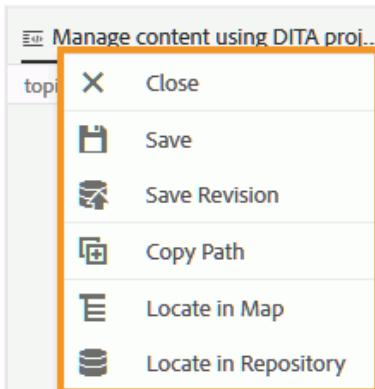
Operation in Web Editor	Keyboard shortcut
Apply bold formatting on selected text	<b><i>Ctrl+B</i></b>
Apply Italics formatting on selected text	<b><i>Ctrl+I</i></b>
Apply underline formatting on selected text	<b><i>Ctrl+U</i></b>
Save document in Author or Source view	<b><i>Ctrl+Shift+S</i></b>
Save all opened documents in Author or Source view	<b><i>Ctrl+S</i></b>
Show Insert Element dialog	<b><i>Alt+Enter</i></b>
Show Insert Element dialog to insert element before the selected element	<b><i>Alt+Shift+Enter</i></b>
Move out from a nested element and go to the parent element in left direction, else go to previous sibling element	<b><i>Alt+Left Arrow</i></b>
Move out from a nested element and go to the parent element in right direction, else go to next sibling element	<b><i>Alt+Right Arrow</i></b>
Auto indent XML in Source view	<b><i>Ctrl+Alt+L</i></b>
Split the current element	<b><i>Enter</i></b>
Copy selected text	<b><i>Ctrl+C</i></b>
Paste	<b><i>Ctrl+V</i></b>
Open Print dialog	<b><i>Ctrl+P</i></b>
Undo last action	<b><i>Ctrl+Z</i></b>
Redo last action	<b><i>Ctrl+Y</i></b>

## Other useful features in the Web Editor

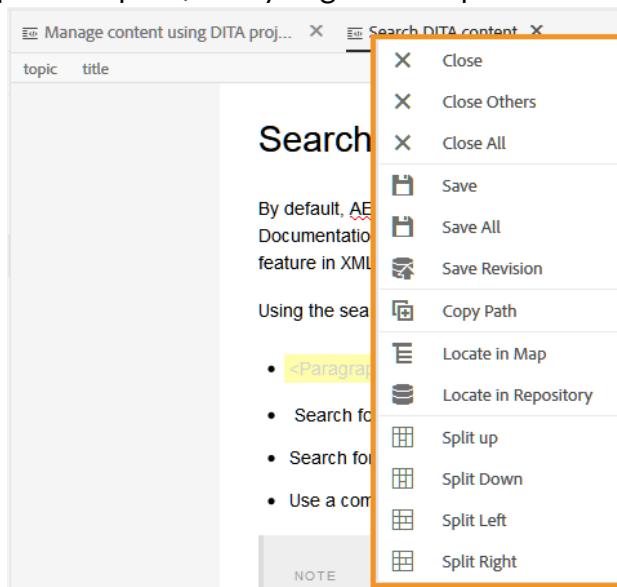
There are some other useful features in the Web Editor that you can make use of:

### Context menu functions on a file's tab

When you open a file in the Web Editor, you get the following functions in the context menu of an opened file's tab:



When you have multiple files opened, then you get more options in the context menu:



The various options in the context menu are explained below:

#### ***Close, Close Others, and Close All***

If you want to close the file from which you invoked the context menu, then select **Close**. Use **Close Others** to close all other opened file except the currently active file. To close all open files, select the **Close All** option from the context menu.

#### ***Save, Save All, and Save Revision***

To save a file without creating a new version, select **Save**. Whenever you create a new topic, a version-less working copy of the topic is created in DAM. Saving your document updates the working copy of your document in DAM. Doing a simple save on this version does not create a new version of a topic. If your topic is under review, saving a topic does not give your reviewers access to your changed topic content.

If there are multiple documents opened in the Web Editor, then you also get an option to **Save All** opened documents.

To create a new version of the file, select **Save Revision**. For more details about **Save** and **Save Revision**, see [Know the Web Editor toolbar](#).

### ***Copy Path***

To copy the complete path of the currently active file to the Clipboard, select **Copy Path**.

### ***Locate in Map and Locate in Repository***

If you have opened a large DITA map and want to find the exact location of a file in the map, then select **Locate in Map**. When you select the Locate in Map option, the file (from where the option is invoked) is located and highlighted in the map hierarchy. To be able to use this feature, you must open the map file in the Web Editor. If the Map View is hidden, then invoking this feature will display the Map View and the file is highlighted in the map hierarchy.

Similar to Locate in Map, the **Locate in Repository** shows the location of the file in the repository (or DAM). The Repository View is opened and the selected file is highlighted in the repository. If the file is within a folder, then that folder is expanded to show the selected file's location in the repository.

### ***Split Up, Down, Left, or Right***

By default, the Web Editor allows you to view one topic at a time. There could be instances wherein you would like to see two or more topics at the same time. Splitting the editor's screen allows you to view multiple topics at the same time. For example, if you have two topics - A and B opened in the editor. Right-clicking on topic B and choosing Split Up divides the editor window into two parts. Topic B is displayed in the upper half and Topic A is displayed in the bottom half. Similarly, you can also split the screen horizontally by selecting Split Left or Split Right. The following screenshot of the Web Editor displays topics split horizontally and vertically. In each split, you can have a different views. For example in the following screenshot, the screen 1 is in Source view mode, screen 2 has two documents opened in Author mode, and screen 3 is in the Preview mode. You can move your documents from one screen to the other by dragging the file tab and dropping it on to the screen where you want

to place it. Similarly, you can also reorder file tabs by dragging and moving them as per your preference.

The screenshot shows the AEM XML Documentation solution interface with three tabs:

- Translate content**: Shows an XML code editor with a tree view of topics and prolog. A circled '1' highlights the XML code area.
- Search DITA content**: Displays search results for DITA content. A circled '2' highlights the search results area.
- Output generation**: Shows information about output generation capabilities. A circled '3' highlights the output generation section.

**Search DITA content** details:

By default, AEM does not recognize DITA content, thus, it doesn't provide any mechanism to search DITA content within its repository. XML Documentation solution adds a layer on top of AEM, which enables AEM to understand and process DITA content. The Search DITA content feature in XML Documentation solution allows you to search for DITA content within AEM repository.

Using the search feature, you can:

- Search for DITA content based on an element value; for example, **author= xml**
- Search for DITA content based on an attribute value; for example, **platform= windows**

**Output generation** details:

The XML Documentation solution has built-in publishing capabilities to generate outputs in a variety of industry standard formats. The current version of XML Documentation solution allows you to generate output in the most widely used formats - AEM Site, PDF, HTML5, EPUB, and custom output through DITA-OT.

As a publisher, you just click a few links and the output gets generated. You can generate output for an entire DITA map or you can selectively publish only a few topics that you have updated. You can also use the Baseline publishing feature to selectively publish a specific version of your DITA map or topic. Also, you can generate output for FrameMaker documents, see [Generate output from FrameMaker documents](#) for more information. Once the output gets generated on your authoring instance of AEM, same can be easily pushed on to your production server using the AEM publishing workflows.

## Spell checker

XML Documentation solution uses the in-built spell-checking feature of the browser. All misspelled words are highlighted using the red underline. You can correct a misspelled word by pressing **Ctrl+right click** on the word to see the possible corrections. You can select a correct word from the presented options.

The screenshot shows the AEM XML Web Editor interface with a spell checker context menu open over the word "Setting".

**Context Menu Options:**

- Setting
- Add to dictionary
- Ask Google for suggestions
- Search Google for "Setting"
- Cut (Ctrl+X)
- Copy (Ctrl+C)
- Paste (Ctrl+V)
- Google Keep Chrome Extension (allows an administrator to view name\_variables/ph\_proname)
- Inspect (Ctrl+Shift+I)

## Visual cues for broken references

If your topic contains broken cross-references or content references, they are shown in red text.

## Smart copy-paste

You can easily copy paste content within and across topics. The source element structure is maintained at the destination. Also, if the copied content contains content references, then even those are copied.

## Remember last browsed location

The Web Editor provides a smart file browse dialog. The editor remembers the last used location while inserting a reference or content. The first time you invoke the file browse dialog (via Insert Reference or Insert Reuse Content), then you are taken to the location where the current document is saved. In the same session, if you try to insert another reference, then the file browse dialog automatically navigates to the location from where you inserted the last reference.

*NOTE: In case of an image, audio, or video file, the file browse dialog defaults to the file's location and not the last used location.*

## Support for DITA glossary term topic

The Web Editor support DITA glossary terms that you can insert by adding `term` or `abbreviated-form` elements.

## Support for DITA subject scheme maps

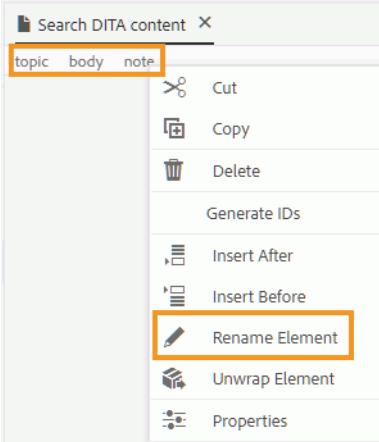
Use DITA subject scheme maps to create custom controlled values that can be used for classifying content. Subject scheme map creation is supported in the Web Editor. For more information, see [Work with subject scheme maps](#).

## Insert footnotes

Insert footnote in your content by using the `<fn>` element. In the authoring mode, the footnote value is shown inline with the content. However, when you switch you the Preview mode or publish your document, the footnote appears at the end of the topic.

## Rename or replace an element

The Web Editor displays the element's breadcrumb at the top of the topic. If you want to swap or replace an element with another element, then you can do so from the breadcrumb's context menu. For example, you can swap `<p>` element with `<note>` or any other valid element at the context.



On the breadcrumb, right-click on an element's name that you want to replace, then select Rename Element from the context menu. The Rename Element dialog displays all valid elements that are allowed at the current location. From the Rename Element dialog, select the element that you want to use. The original element is replaced with the new element.

In addition to the context menu of the breadcrumb, the Rename Element dialog can also be accessed from other locations:

- Click on the element name on the breadcrumb to select the content of the element and right-click on the selected content to bring up the context menu.
- Enable Tags view, click on the opening tag of any element and then right-click on the selected content to bring up the context menu.
- You can access the Rename Element dialog by invoking the Options menu of an element in the Outline panel.

## Unwrap an element

Unwrapping an element allows you to remove the element tag from the selected text and merge it with its parent element. For example, if you have a `<p>` element within a `<note>` element, you can unwrap the `<p>` element to merge the text directly within the `<note>` element. The Unwrap Element option is available in the context menu of the topic's breadcrumb. To unwrap an element, select the element from the topic's breadcrumb, then right click on the element to open the context menu, then finally select Unwrap Element to remove the element and merge the element's text with its parent element.

## Highlight conditional content

The conditional content is highlighted using light background color for easy identification.

The screenshot shows the AEM XML Web Editor interface. In the center, there is a code editor window titled "authoring.xml" containing XML code. A specific block of content, represented by a list item element (`<li>`), is highlighted with a yellow background. To the right of the code editor is a "PROPERTIES" panel. The "TYPE" section shows "li". Below it, under "OTHER ATTRIBUTES", there is a "+ Add" button. At the top of the editor, there are tabs for "Author", "Source", "Preview", and "Close". Below the code editor, there is a note: "Click Create > Project to launch the Create Project wizard." followed by a screenshot of the AEM Projects interface showing the "Create" button highlighted.

3. On the Create Project page, select DITA Project template and click Next.

## Preserving line breaks and indentation

DITA elements that contain line break and spaces are supported and rendered as per their definition in the Author, Source, or Preview modes, and also in the final published output. The following screenshot shows the content within the `msgblock` element wherein the line breaks and spaces (indentation) have been preserved:

The screenshot shows the AEM XML Web Editor interface. In the code editor window, the word "msgblock" is highlighted with an orange box. The XML code within the `msgblock` element shows preserved line breaks and indentation. The code is as follows:

```

<renditionmap>
    <mpelement>
        <mimetype>image/png</mimetype>
        <rendition output="AEMSITE">cq5dam.web.1280.1280.jpeg</rendition>
        <rendition output="PDF">original</rendition>
        <rendition output="HTML5">cq5dam.web.1280.1280.jpeg</rendition>
        <rendition output="EPUB">cq5dam.web.1280.1280.jpeg</rendition>
        <rendition output="CUSTOM">cq5dam.web.1280.1280.jpeg</rendition>
    </mpelement>

```

## Auto-generate element ID

You can automatically generate IDs for the elements that you add in your DITA topic. These IDs are unique within a DITA topic. For example, if you generate IDs for a paragraph element, the IDs will be `p0, p1, p2`, and so on.

Do the following to automatically generate ID for an element:

- 1) Open the topic in the Web editor
- 2) Move the cursor to the element where you want to add the ID, right-click and select **Generate IDs**

*Alternatively you can right-click in the breadcrumb and select **Generate IDs**.*

## Web Editor views

The XML Documentation solution Web Editor supports viewing documents in three different modes or views:

### Author

This is a typical What You See is What You Get (WYSIWYG) view of the Web Editor. You can edit topic as you would do in any regular rich-text editor. In the Author view, you have the options to save a revision of the document, find and replace content, insert element, insert hyperlink, insert content reference, and more.

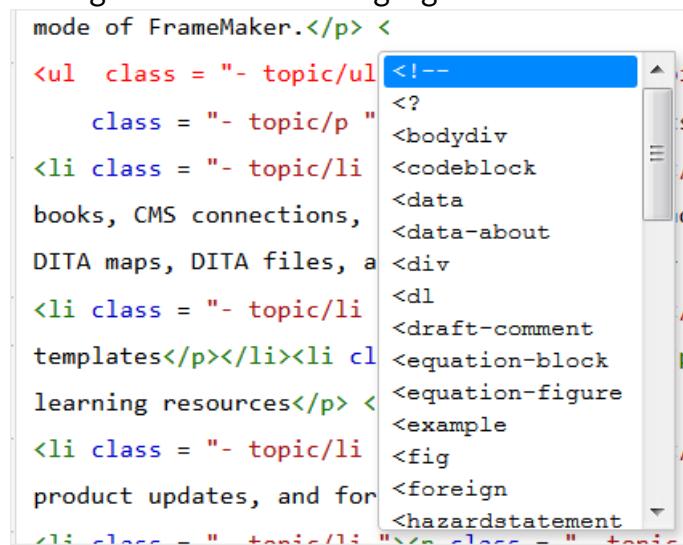
*NOTE: When you use the content reference, the referred content is also displayed in Author view in blue color. The referred content is non-editable.*

### Source

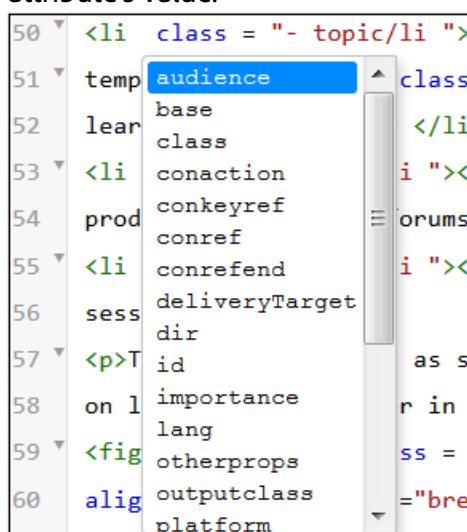
The Source view displays the underlying XML that makes up the topic. If you are comfortable working with XML directly, then you should use the Source view. In addition to making regular text edits in this view, you can also add elements and attributes using the Smart Catalog, or find and replace text, elements, or attributes.

- To invoke the Smart Catalog, place the cursor at the end of any element tag where you want to insert the new element and enter "<". The editor shows a list of all valid XML elements that you can insert

at that location. Use the arrow keys to select the element that you want to insert and press Enter. When you enter the closing bracket ">" the closing tag for the element is automatically added.



- You can also change an element easily from the Source view. For example, if you change the opening tag of a `<p>` element to `<note>`, then the closing `<p>` tag is automatically changed to `</note>`. In case you replace an element with an incorrect element, then you are immediately shown the Validation Error.
- If you want to add an attribute to an element, place the cursor inside the element tag and press the Space bar. A list of valid attributes for that element are shown in the Smart Catalog. Use the arrow keys to select the desired element and hit Enter to insert the element. To specify a value for the attribute, enter the equals sign (=) and the editor automatically enters the opening and closing quotes "" wherein you can specify the attribute's value.



- In the Source view, there is an Auto Indent option that reorganizes the XML code in presentable and easily readable format. Also, if you select any text and switch from Author to Source or from Source to Author view, the selected text is also highlighted in the other view.

- Another powerful feature in the Source view is the XML validation in your document. If you open a document containing invalid XML, it is opened in the Source view with the information about invalid XML. For example, in the following screenshot the exact information about the erroneous XML is given in the Parse Error pop-up.

```

1  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2  <!DOCTYPE concept PUBLIC "-//OASIS//DTD XML Schema//EN//NO//EN" "concept.dtd">
3  <concept id="concept">
4    <title>Common Tasks</title>
5    <shortdesc>The tasks common to all configurations of the product.</shortdesc>
6    <conbody>
7      <p>Use <xref keyref="mv_quickref_dataview"/> and <xref keyref="mv_quickref_health_indicators"/> for reference while performing these tasks.</p>
8
9
10
11  </conbody>
</concept>

```

In the above screenshot, a cross highlight is used to point the line containing erroneous XML.

- The Find and Replace feature allows you to search for any text, element, or attribute in the Source View. For more information, see Find and Replace.
- The Source View provides many shortcuts to help you quickly navigate and work on a document. The following table lists the supported actions and their shortcut keys:

To do this	Use this shortcut
Add multiple cursors	<b>Ctrl+Left click</b>
Multiple non-consecutive text selections	<b>Ctrl+Left click to drag and select text</b>
Select text across and in between lines	<b>Alt+Left click to drag and select text</b>
Undo multiple selection or exit full screen mode	<b>Esc</b>
Show auto-complete	<b>Ctrl+Space</b>
Go to the opening or closing tag of the current tag	<b>Ctrl+J</b>
Expand or collapse the current tag and its content	<b>Ctrl+Q</b>
Select the current element and its content	<b>Ctrl+L</b>
Outdent the current element	<b>Shift+Tab</b>
Delete the current element and its content	<b>Shift+Ctrl+K</b>
Move cursor one word to the left	<b>Alt+Left Arrow</b>

To do this	Use this shortcut
Move cursor one word to the right	<b>Alt+Right Arrow</b>
Scroll one line up without changing the cursor location	<b>Ctrl+Up Arrow</b>
Scroll one line down without changing the cursor location	<b>Ctrl+Down Arrow</b>
Toggle full screen	<b>F11</b>
Insert a new line after the current element	<b>Ctrl+Enter</b>
Insert a new line before the current element	<b>Shift+Ctrl+Enter</b>
Find and select the next occurrence of the current word	<b>Ctrl+D</b>
Move the current element and its content one element up	<b>Shift+Ctrl+Up Arrow</b>
Move the current element and its content one element down	<b>Shift+Ctrl+Down Arrow</b>
Wrap the current element in comment tag	<b>Ctrl+ /</b>
Duplicate the current element and its content	<b>Shift+Ctrl+D</b>
Delete text following the cursor. If cursor is before an opening element, then the entire element is deleted.	<b>Ctrl+K+K</b>
Delete text to the left of the cursor in the current line. If the cursor is after the closing tag of an element, then the entire element is deleted.	<b>Ctrl+K+Backspace</b>
Convert the current text to uppercase	<b>Ctrl+K+U</b>
Convert the current text to lowercase	<b>Ctrl+K+L</b>
Scroll the current element to the center of the editor	<b>Ctrl+K+C</b>
Add a cursor above the current position	<b>Ctrl+Alt+Up Arrow</b>
Add a cursor below the current position	<b>Ctrl+Alt+Down Arrow</b>
Recursively find the current word (in forward direction)	<b>Ctrl+F3</b>

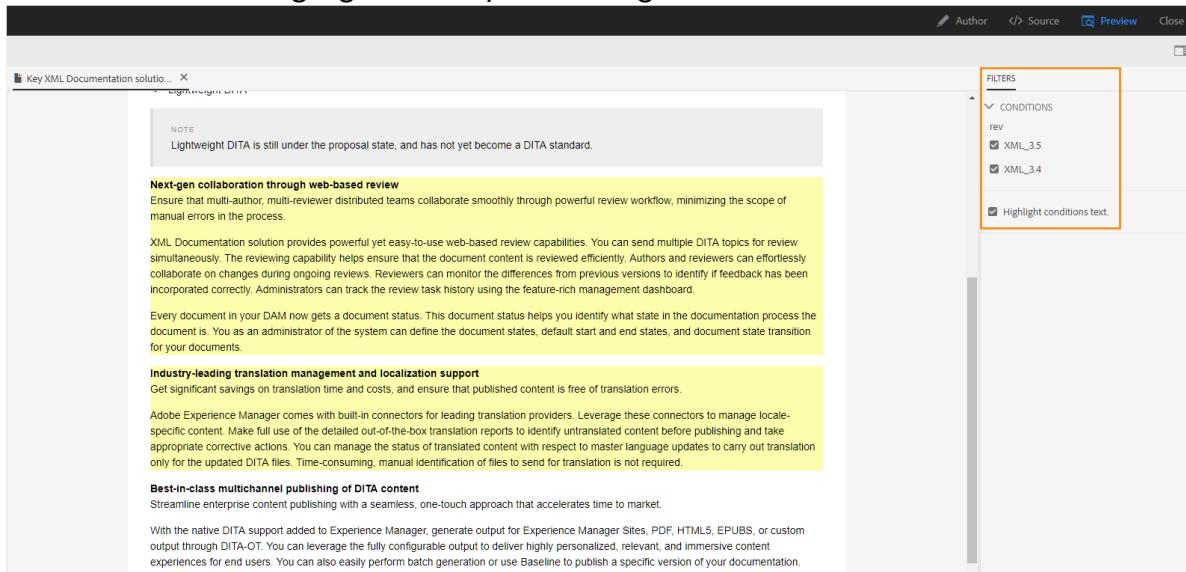
To do this	Use this shortcut
Recursively find the current word (in backward direction)	<b>Shift+Ctrl+F3</b>

## Preview

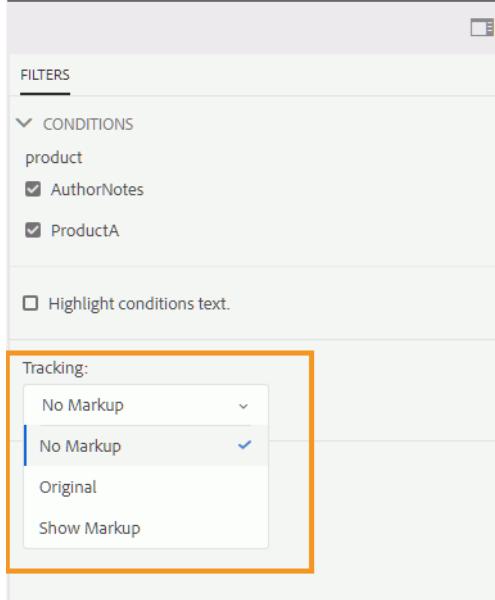
Opening a topic in the Preview mode shows how a topic will be displayed when it is viewed by a user in their browser. The Preview mode also allows you to see the filtered content and content with track changes markups.

If you have used conditions in your topic, those conditions are shown in the Filters panel. By default, all conditions are selected and the entire content is displayed. If you deselect a condition, then the content having that condition is removed from the view. You can also choose to highlight condition-alized content.

The following image shows a topic that uses two conditions — XML\_3.5 and XML\_3.4. The conditionalized content is highlighted with yellow background.



If a document contains track changes markups (or visual cues), then you can also preview the document with or without those markups. While previewing a document, the right panel contains the Filters and Tracking options.



There are three **Tracking** options that you can choose from:

- **No Markup:** In this view, all insertions and deletions are accepted, and a simple view of the document is presented. In this view, you do not see any track changes markups.
- **Original:** In this view, all insertions are rejected and all deletions are restored back, and then a preview is shown. Simply, you get the original form of the document before you enabled the track changes mode.
- **Show Markup:** In this view, you get all markups for inserted and deleted content.

## Document state

To manage the readiness of the documents, XML Documentation solution provides document state property to indicate the current state of the document. Document states help you quickly find out whether a document is new, in review, or review completed state.

### Types of document states

A document can have any of the document states defined in the Document State profile. For example, a document may have any one of the following Document States:

- **Draft** - Indicates that the document is created and saved with new changes.
- **In-Review** - Indicates that a review workflow has been initiated for the document.
- **Reviewed** - Indicates that the document has been reviewed by the intended user(s).

These states are set manually or automatically according to the Document States profile settings. For example, if the Document State profile is configured with start state as Draft, and In-Review state is defined for documents under review. Then, when you create a document, the document state is set to *Draft*. If you initiate a review task, then the state of the document is changed to In-Review.

You can also manually change the document state for a single or multiple documents. However, if you choose to change the document state for multiple documents, then the allowed state is determined by the common states that are allowed for the selected documents. For example, let's say you have defined the document states as Draft, In-Review, Reviewed, and Ready to Publish, in the same order. On document *one.dita* the state is set to *Draft* and on document *two.dita*, the state is set to *Reviewed*. When you select both—*one.dita* and *two.dita*, then the allowed document state will be *Ready to Publish*. As *two.dita* is in *Reviewed* state, the next possible state for *two.dita* is only *Ready to Publish*, which is shown when both documents are selected.

**NOTE:** A document can exist in only one state at a time.

### Change the document state

To change the state of a document, perform the following steps:

- 1) In the Assets UI, select one ore more documents for which you want to change the document state.
- 2) In the main toolbar, click **Properties**.
- 3) Select the new state from the **Document State** drop-down.  
**NOTE:** You can select only those document states that are allowed in the State Transition section of the Document State profile.
- 4) Click **Save & Close**.

### View the document state

The card view of the Assets UI shows the current state along with the creation date and size of the respective DITA topic or DITA map.

 config.xml English (en) 35.3 KB  33 minutes ago <span style="border: 1px solid orange; padding: 2px;">In-Review</span>	 authoring.xml English (en) 17.3 KB  33 minutes ago <span style="border: 1px solid orange; padding: 2px;">Reviewed</span>	 generate-output.xml English (en) 22.1 KB  33 minutes ago <span style="border: 1px solid orange; padding: 2px;">Draft</span>	 setup.xml English (en) 3.5 KB  33 minutes ago <span style="border: 1px solid orange; padding: 2px;">Draft</span>
---	---	---	---

## Use label

The XML Documentation solution allows you to add labels to different versions of a file. You can use these labels to specify the version that you want to include in a baseline for publishing. For more information about using labels to create a baseline, see [Work with Baseline](#).

For example, if you want to use version 1.0 of a topic in release 1.0 and version 1.1 of the same topic in release 2.0, you can add release 1.0 label on the version 1.0 and release 2.0 label on the version 1.1.

Once you have added the labels, you can create a baseline and specify which version of the topic should be included for publishing using that baseline. To see what version should be included or excluded in a baseline, you can use the Version History option.

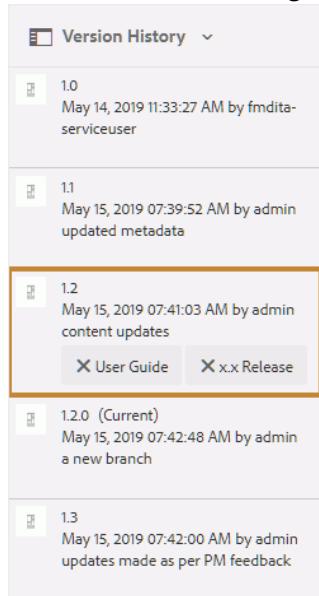
### Add a label

Perform the following steps to add a label to your topic:

- 1) In the Assets UI, select a topic
- 2) Click the left rail selector icon and select **Version History**.
- 3) In the Version History, click a version where you want to add a label.
- 4) Enter a label for the selected version and press Enter. For example, `2.6 Release`.

*NOTE: You cannot add the same label to the different versions of a topic. However, you can add multiple labels to the same version of a topic.*

*The labels are displayed in the Version History of the selected topic. The following screenshot displays the labels `x.x Release` and `User Guide` added to the highlighted version of the topic.*



## Chapter 4

**NOTE:** Using a baseline, you can add a label to multiple topics. For more information about adding labels using baseline, see [Add labels to a Baseline](#).

### Delete a label

Perform the following steps to delete a label:

- 1) In the Assets UI, select a topic that has a label added to it.
- 2) Click the left rail selector icon and select **Version History**.

*In the Version History, you will see all the versions of a topic and the labels attached to them. The following image shows an example of different versions of a topic and one version has labels added to it.*

Version	Created On	Updated By
1.0	May 14, 2019 11:33:27 AM	fmdita-serviceuser
1.1	May 15, 2019 07:39:52 AM	admin updated metadata
1.2	May 15, 2019 07:41:03 AM	admin content updates
1.2.0 (Current)	May 15, 2019 07:42:48 AM	admin a new branch
1.3	May 15, 2019 07:42:00 AM	admin updates made as per PM feedback

- 3) Click the delete button (X) to delete the label.

Version	Created On	Updated By
1.0	May 14, 2019 11:33:27 AM	fmdita-serviceuser
1.1	May 15, 2019 07:39:52 AM	admin updated metadata
1.2	May 15, 2019 07:41:03 AM	admin content updates
1.2.0 (Current)	May 15, 2019 07:42:48 AM	admin a new branch
1.3	May 15, 2019 07:42:00 AM	admin updates made as per PM feedback

---

# Work with the Map Editor

XML Documentation solution's Map Editor allows you to create and edit DITA maps. Using the Map Editor, you can edit two types of files — DITA map and bookmap. You can create these files using the **Create > DITA Map** workflow. You can also create your own map templates and create maps based on your custom template. For more information about using your custom DITA templates, see *Configure templates and tags for authoring* in XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

The Map Editor comes in two modes — the Basic Map Editor and the Advanced Map Editor. When you create a map using the Create > DITA map workflow, the map file is opened for editing in the Basic Map Editor. The Advanced Map Editor is available within the Web Editor that you use for editing topics.

This topic walks you through the process of creating a DITA map and then using the Basic or Advanced Map Editor to edit the map file.

**TIP:** See [Map Editor](#) for best practices around working with the Map Editor.

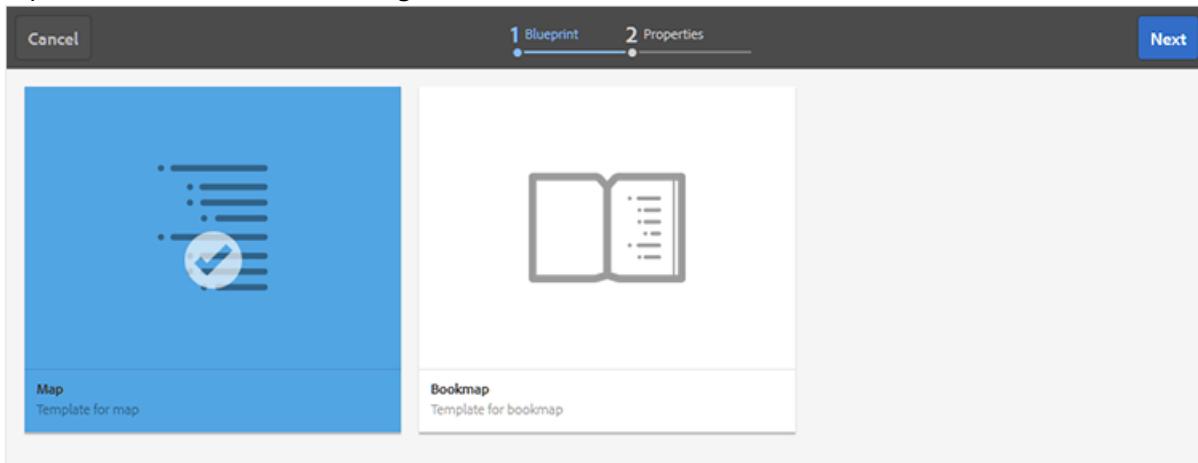
## Create a map

XML Documentation solution provides two out-of-the-box map templates - DITA map and Bookmap. You can also create your own map templates and share those with your authors to create map files.

Perform the following steps to create a map file:

- 1) In the Assets UI, navigate to the location where you want to create the map file.
- 2) Click **Create > DITA Map**.
- 3) On the Blueprint page, select the type of map templates you want to use and click **Next**.

**NOTE:** The way the topics are referred in a map file depend on the map template. For example, if you select the Map template, then the topic references (`topicref`) are used to refer to topics. In case of a Bookmap, topic references are created using the `chapter` element in DITA.



- 4) On the Properties page, enter a **Title** and **Name** for the map and click **Create**.

**NOTE:** The name is automatically suggested based on the Title of your map. If you want to manually specify the map file name, then ensure that the file name does not contain any spaces, apostrophe, or braces and ends with `.ditamap`.

- 5) Click **Create**.

The *Map Created* message appears.

You can choose to open the map for editing in the Basic Map Editor, or save the map file in the AEM repository.

**NOTE:** To use the Advanced Map Editor, access the map file in the Web Editor.

## Work with the Basic Map Editor

The Basic Map Editor provides an easy drag-and-drop feature to add topics from your AEM repository to create the DITA map or bookmap. You can add nested topics, relationship tables (reltable), attributes and metadata information, and also validate the map for correctness.

The following sections describe the various functions available in the Basic Map Editor.

### Add topics to a map file

Once a map file is created, you need to add topics to the map file. Using the Basic Map Editor, you can add topics, relationship tables, or other map files.

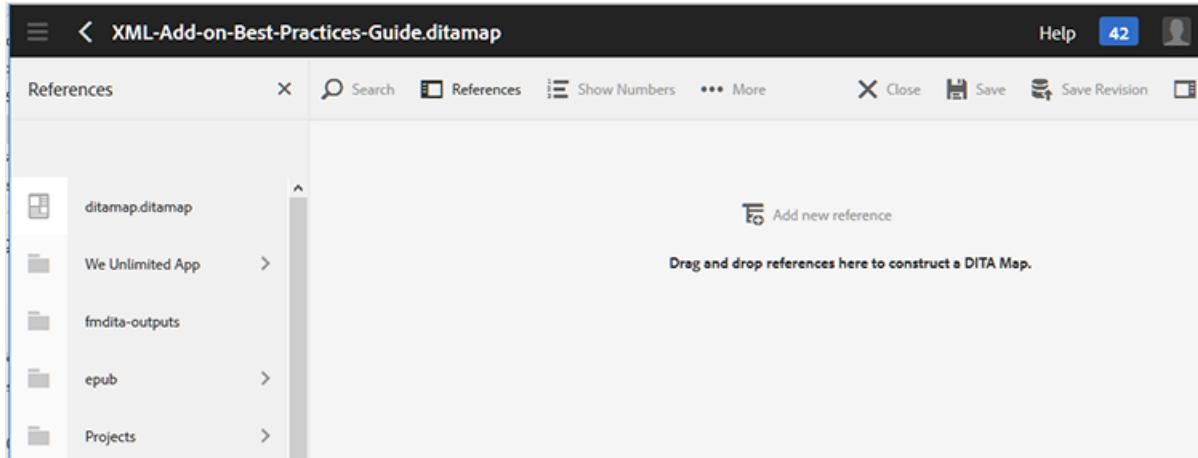
Perform the following steps to build your map file:

- 1) In the Assets UI, navigate to the map file that you want to edit.
- 2) To get an exclusive lock on the map file, select the map file and click **Check Out**.

**NOTE:** Once you have an exclusive lock on a map file, other users would not be able to edit the map. However, they would be able to work on the topics within the map file.

- 3) With the map file selected, click **Edit**.

The map file is opened for editing in the Map Editor. Using the Map Editor, you build a map by using the currently available topics that are displayed in the References rail.



- 4) Using the **References** rail, navigate to the folder that contains the topics or sub-maps that you want to add.

**NOTE:** You can add topics or sub-maps from any folder in the References rail.

- 5) To add the first topic to the map, drag-and-drop the topic onto the Basic Map Editor.

**NOTE:** After adding the first link, the Add New Reference link is available when you hover your mouse over an existing topic in the map.

- 6) To add subsequent topics or a sub-map, drag-and-drop the topic or sub-map to the required location in the map.

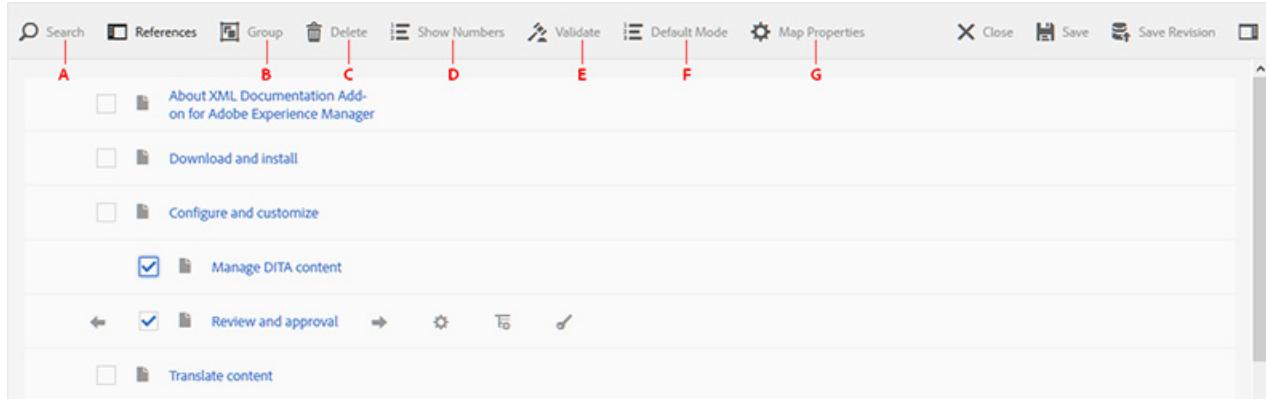
If you add a sub-map to your DITA map, the sub-map is shown as a link in the DITA map. To view all the topics of the sub-map, click the sub-map link. The content of the sub-map are shown in a new tab.

**NOTE:** If you drop a new topic on an existing topic in the map, you get a message about replacing the topic. Click Yes if you want to replace the topic, click No if you do not want to replace the topic. You can use CTRL+Z and CTRL+Y to undo or redo any change in the map.

- 7) Click **Save**.

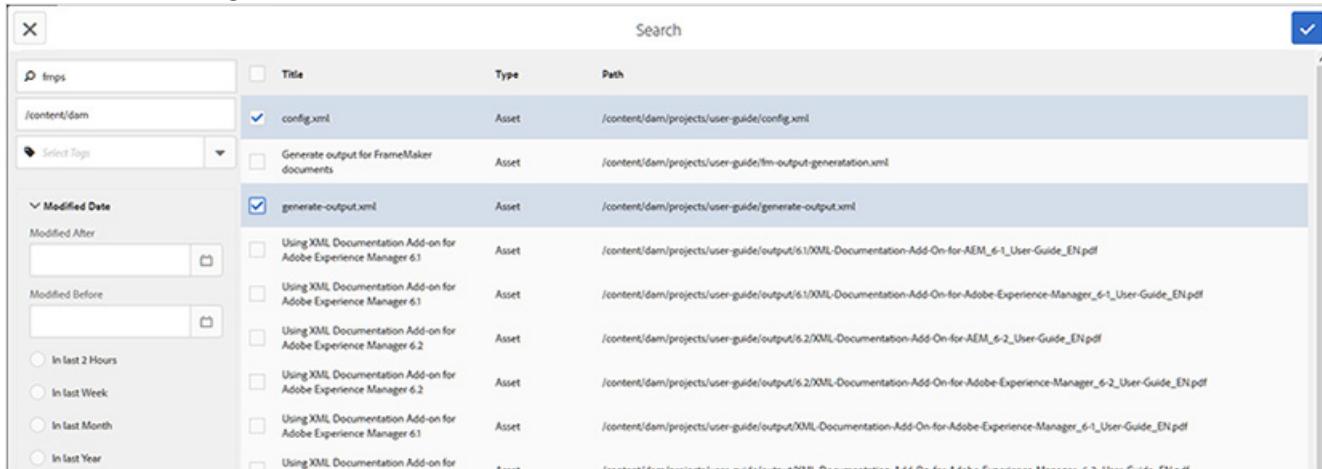
## Features available in the Basic Map Editor's toolbar

The main toolbar in the Basic Map Editor allows you to perform the following tasks:



### A: Search

You can search for and include the required topics from DAM. Clicking on this icon displays the Search dialog:



Enter the keywords you want to search for, these keywords are matched in the topic's filename, content, and even attribute values. Once the search results are available, select the desired topic(s) and click the Check button to add the selected files at the end of your map structure. You can filter your search results by specifying Modify Date parameters.

### B: Group

Click the checkbox to the left of the topics and click Group in the toolbar to group the selected topics. For more information about grouping topics, see the [topicgroup](#) documentation in OASIS DITA Language Specification.

### C: Delete

Click the checkbox to the left of a topic and click Delete in the toolbar to remove the selected topics from the map.

## D: Show Numbers/Hide Numbers

Display (or hide) numbering for the topics in the map.

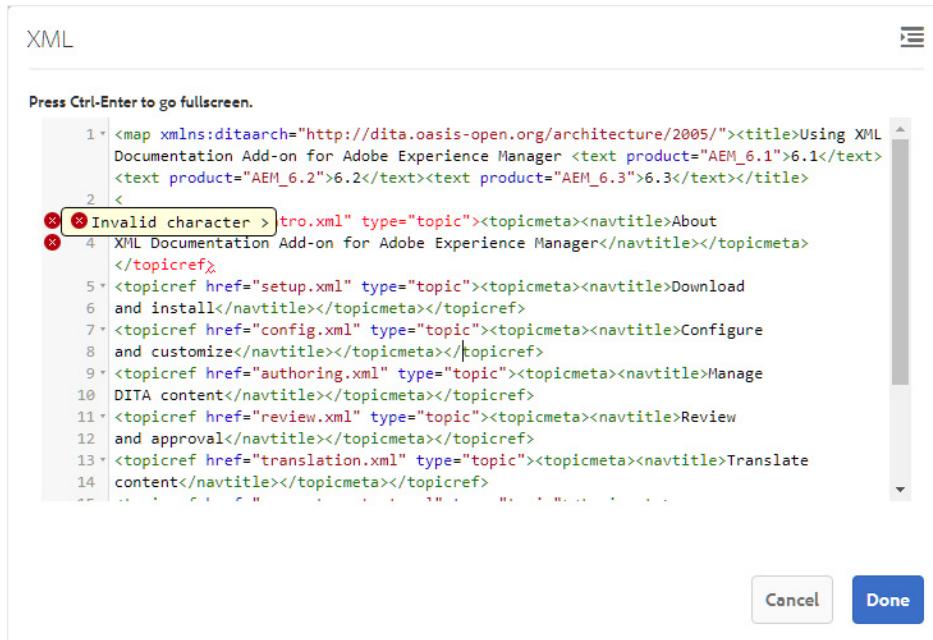
## E: Validate

Check whether the map is valid or has errors.

## F: Default Mode/XML Mode

In the **Default Mode**, clicking a topic link shows the preview of the topic in a new tab. Clicking on the **Default Mode** icon changes its mode to **XML Mode**. In **XML Mode**, clicking anywhere in a topic row shows the underlying XML of topic references within the topic. In the source XML view, there is an **Auto Indent** option that reorganizes the XML code in presentable and easily readable format. In case you are editing a map manually, the source view also performs validation checks. In case your XML contains errors, the same gets highlighted in the **XML Mode** and you are not allowed to save the DITA map file. If you want to view the XML for the entire map, click anywhere outside the topic boundary.

**NOTE:** In the *Default Mode* you can use the keyboard shortcuts to undo (*Ctrl+z*) or redo (*Ctrl+y*) the last action.



The screenshot shows a modal dialog titled "XML". Inside, a code editor displays XML code for a map. A red circle highlights an error message: "Invalid character > tro.xml" type="topic"></topicmeta><navtitle>About". The XML code includes various topicrefs and navtitles. At the bottom right of the dialog are "Cancel" and "Done" buttons.

```

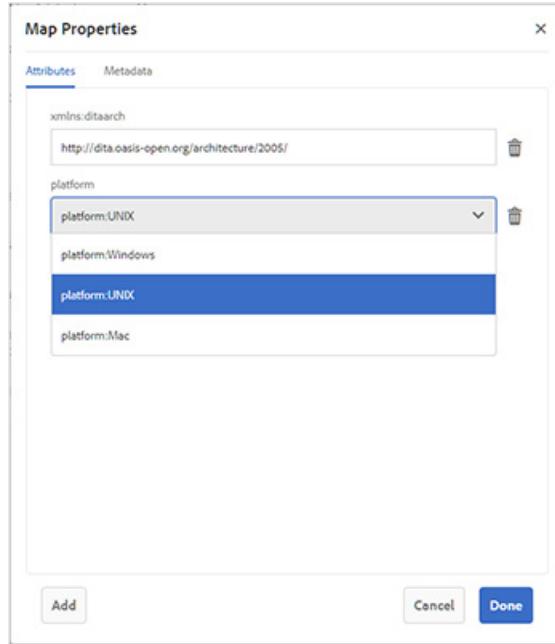
<map xmlns:ditaarch="http://dita.oasis-open.org/architecture/2005/"><title>Using XML Documentation Add-on for Adobe Experience Manager <text product="AEM_6.1">6.1</text><text product="AEM_6.2">6.2</text><text product="AEM_6.3">6.3</text></title>
<topicref href="tro.xml" type="topic"></topicmeta><navtitle>About</navtitle></topicmeta></topicref>
<topicref href="setup.xml" type="topic"></topicmeta><navtitle>Download and install</navtitle></topicmeta></topicref>
<topicref href="config.xml" type="topic"></topicmeta><navtitle>Configure and customize</navtitle></topicmeta></topicref>
<topicref href="authoring.xml" type="topic"></topicmeta><navtitle>Manage DITA content</navtitle></topicmeta></topicref>
<topicref href="review.xml" type="topic"></topicmeta><navtitle>Review and approval</navtitle></topicmeta></topicref>
<topicref href="translation.xml" type="topic"></topicmeta><navtitle>Translate content</navtitle></topicmeta></topicref>

```

## G: Map Properties

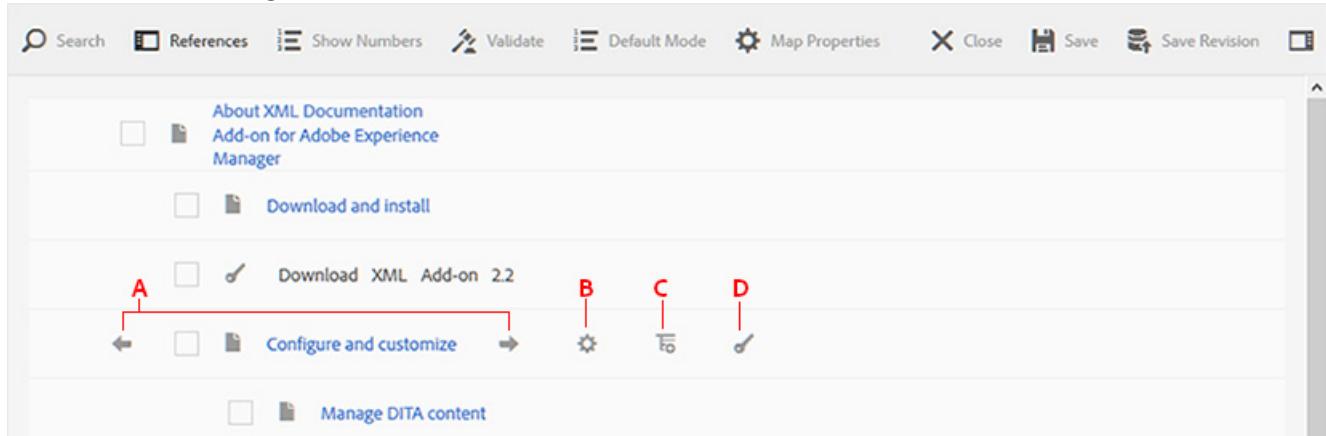
Display the Map Properties dialog wherein you can set the attributes and metadata information for the map. To add an attribute, click the **Add** button at the bottom-left corner of the dialog to get the **Attribute** drop-down list. From the list, select the attribute that you want to add. If the selected attribute has pre-defined values specified in the DTD, then those values would be presented in a new

drop-down list. You can select the desired value from the drop-down list. If there is no pre-defined value, then you will be presented a text box to enter a value for the selected attribute.



## Features available at topic level in the Basic Map Editor

When you hover your mouse pointer over a topic or a sub-map file in the Basic Map Editor, you can perform the following tasks:

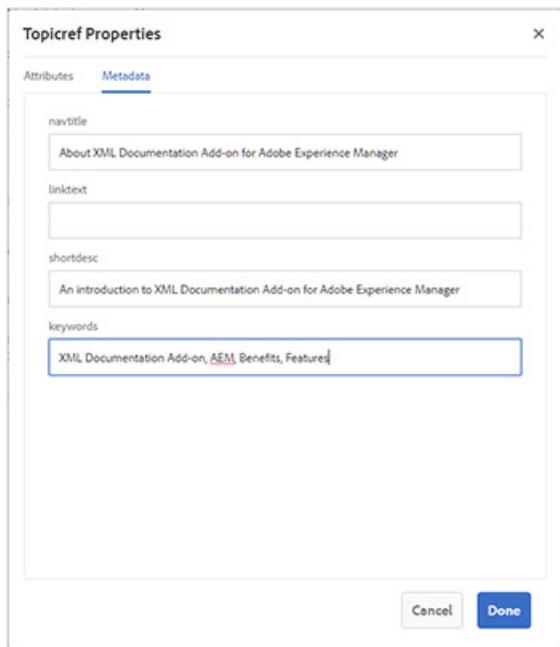


### A: Move Left or Move Right

Click the left or right arrow icons' to move the topic left or right. Moving a topic in such a way makes it a child (nest) or sibling (remove nesting) with respect to the topic above it.

### B: Properties

Click the Properties icon to open the Topicref Properties dialog. Using this dialog, you can set the topic attributes and metadata information. For more information about the standard topic attributes and metadata, see the [topicref](#) documentation in OASIS DITA Language Specification.



#### C: Add New Reference

Click the Add New Reference icon to add a new reference as a sibling of the current topic.

#### D: Add New Key Definition

Click the Key icon to add a new key definition. Any overridden key or a key that has been already defined in the map appears in red. If you click the Properties icon on a key definition, you get the Keydef Properties dialog.

## Work with relationship tables in the Basic Map Editor

The XML Documentation solution's map editors come with a powerful feature that allows you to create and edit relationship tables in your DITA map.

Perform the following steps to work with relationship tables in the Basic Map Editor:

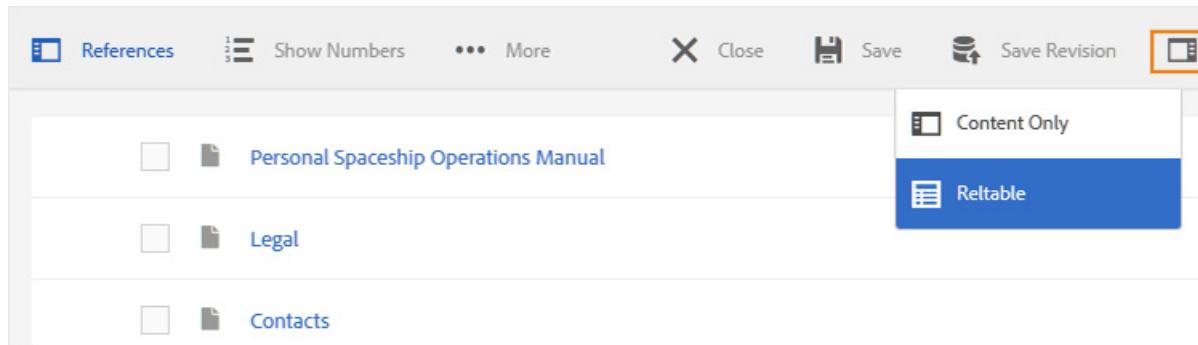
- 1) In the Assets UI, navigate to the DITA map in which you want to create the relationship table.
- 2) Click on the DITA map to open it in DITA map console.
- 3) Select the **Topics** tab to see a list of topics available in the DITA map.

*TIP: The Topics tab gives you an option to download the map file with its dependents. For more details, see [Download a DITA map file](#).*

- 4) In the main toolbar, click **Edit**.

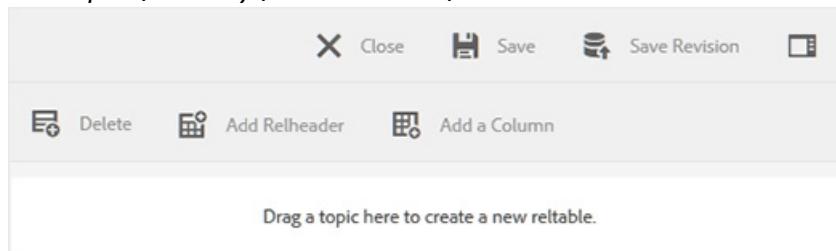
*The map file is opened in the Basic Map Editor.*

- 5) Select **Reltable** from the toolbar.



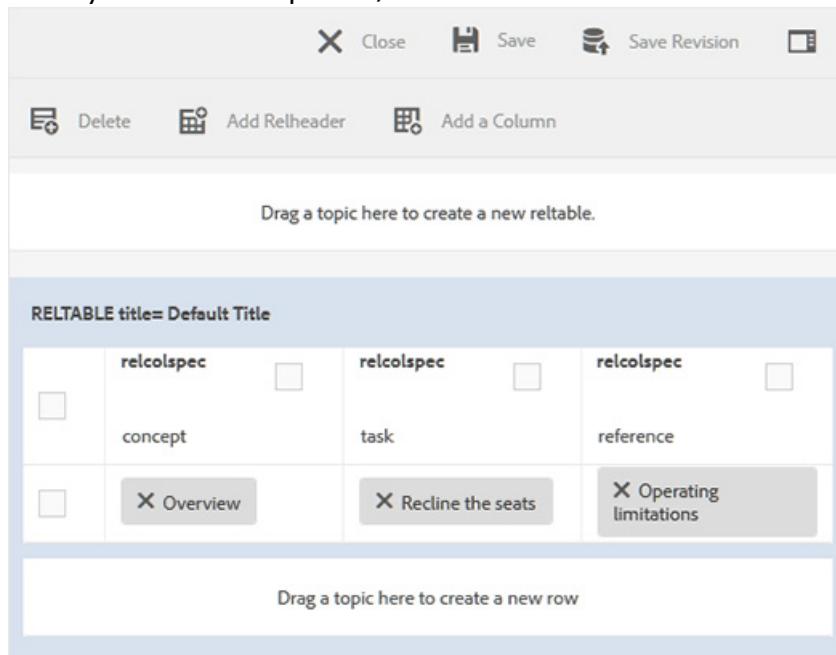
- 6) Drag-and-drop topics from the topic list to the Reltable editor.

*NOTE: You can add topics from any folder in the References rail.*



- 7) To add a header to your relationship table, click **Add Relheader**.

- 8) To add a column to your relationship table, click **Add a Column**.



- 9) Click **Save**.

You can also perform the following actions from the relationship table editor:

### Delete rows or columns

If you want to delete a column from your table, select the checkbox in the column header and click Delete. If you want to remove a row from table, select the checkbox in the first column of the respective row and click Delete.

### Delete a topic

If you want to delete a topic from your table, click the cross icon next to the topic.

### Delete the relationship table

If you want to delete the relationship table, click anywhere outside the relationship table and click Delete.

## Work with the Advanced Map Editor

The Advanced Map Editor comes with intuitive user interface and it is similar to the Web Editor. When you open a map file in the Web Editor, you get an option to edit the map file using the Advanced Map Editor interface. The Advanced Map Editor allows you to add topic references, key references, structure your content and more.

In addition to editing map files directly from the Web Editor, you can also open topic files in a map for editing the Web Editor. This topic walks you through the features in the Advanced Map Editor and how you can open and edit files in a DITA map in the Web Editor.

### Add topics to a map file

Perform the following steps to build your map file using the Advanced Map Editor:

- 1) In the Assets UI, navigate to the map file that you want to edit.

*NOTE: Ensure that you have not enabled the asset Select mode.*

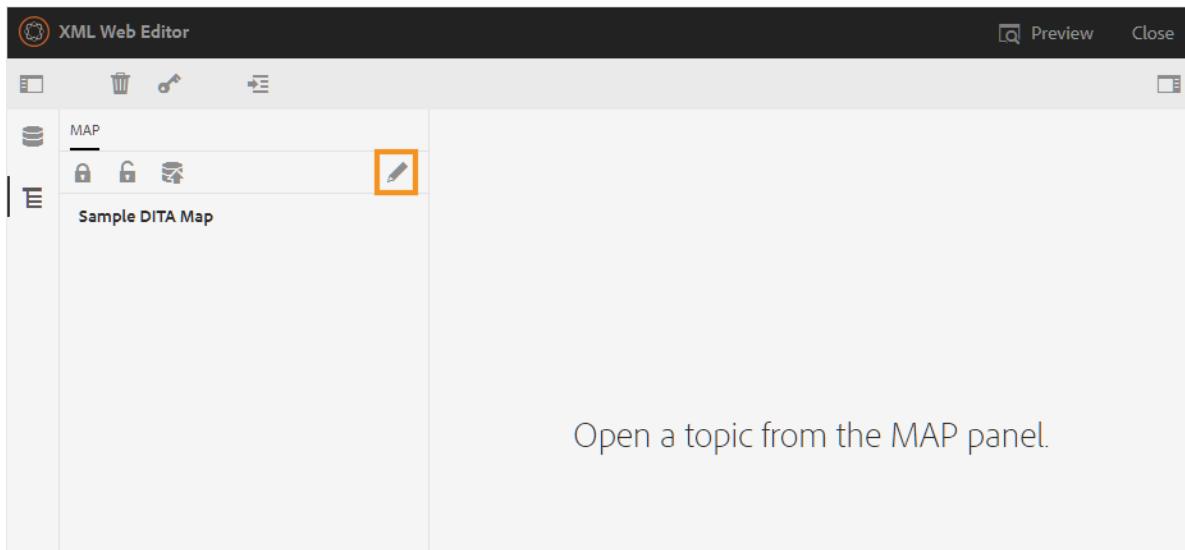
- 2) To get an exclusive lock on the map file, select the map file and click **Check Out**.

*NOTE: Once you have an exclusive lock on a map file, other users would not be able to edit the map. However, they would be able to work on the topics within the map file. If your administrator has configured your Web Editor to checkout files before editing, then you will not be able to edit a file until you check it out. Similarly, if configured, you will be asked to check-in any checked-out a file before closing it*

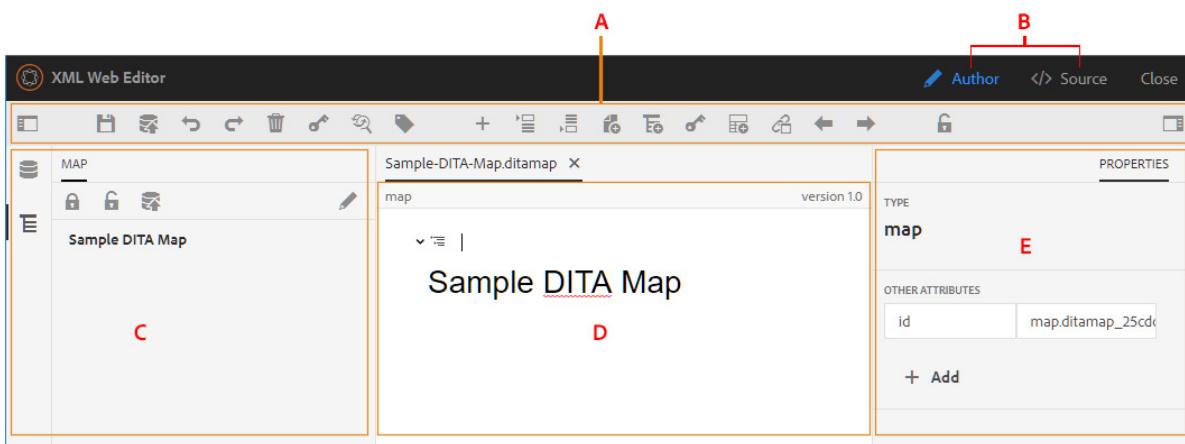
- 3) With the map file selected, click **Edit Topics**.

*The map file is opened for editing in the in the Web Editor.*

- 4) Click the **Edit** icon.



The map is opened in the Advanced Map Editor interface. If you have opened a new map file, then only the title of the map is shown in the editor.

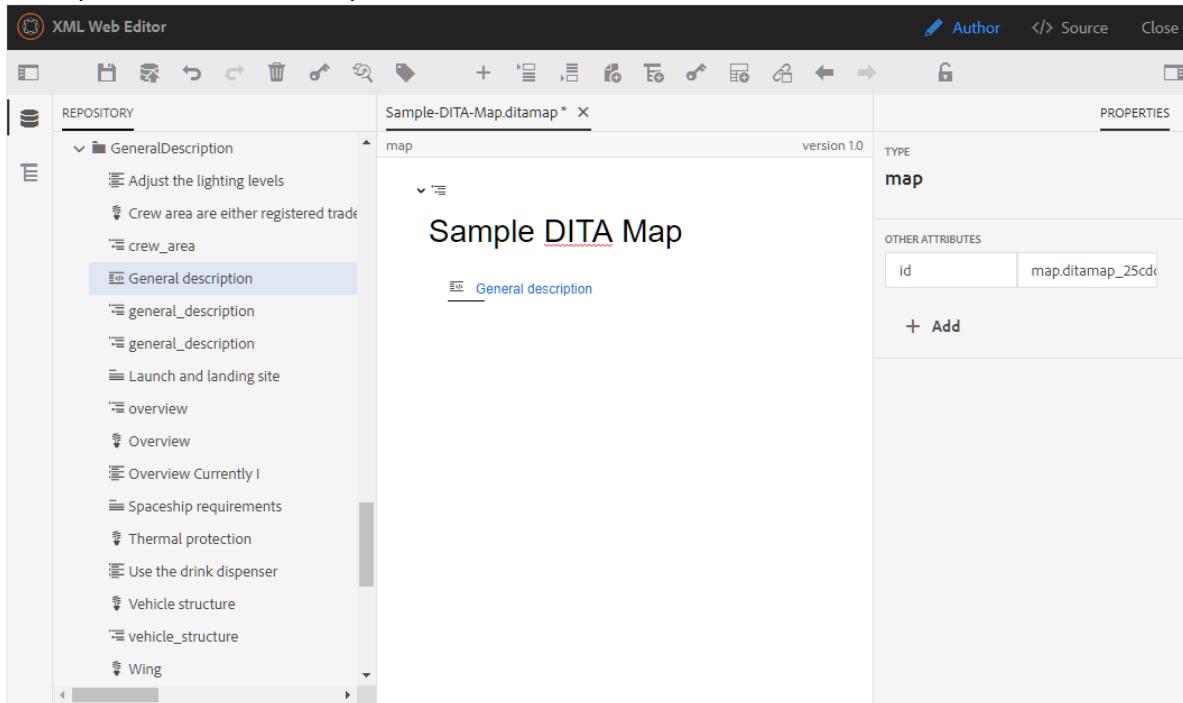


- **A - (Editor toolbar):** Contains the tools (icons) that allow you to work with the map editor. For more information about the operations that you can perform using the toolbar, see *Features available in the Advanced Map Editor's toolbar*.
- **B - (Map views):** Allows you to switch the map editor between the Author and Source views. The **Author** view is the WYSIWYG view of the map editor. The **Source** view allows you to work with the underlying XML of the map file. The **Close** link closes the map file.
- **C - (Left Panel):** Gives access to the Repository and Map views. You can toggle the Repository and Map view by clicking the **Toggle Left Panels** icon ( ) in the Editor's toolbar.
- **D - (Middle Area):** Map content editing area.
- **E - (Right Panel):** Gives access to the Properties panel. You can toggle the Properties panel by clicking the **Toggle Right Panels** icon ( ) in the Editor's toolbar.

- 5) In the Left Panel, switch to the **Repository View**.

- 6) In the AEM repository, navigate to the folder that contains the topics or sub-maps that you want to add.
- 7) Select the topic or map file in the **Repository View** and drag-and-drop it into the (middle) map content editing area.

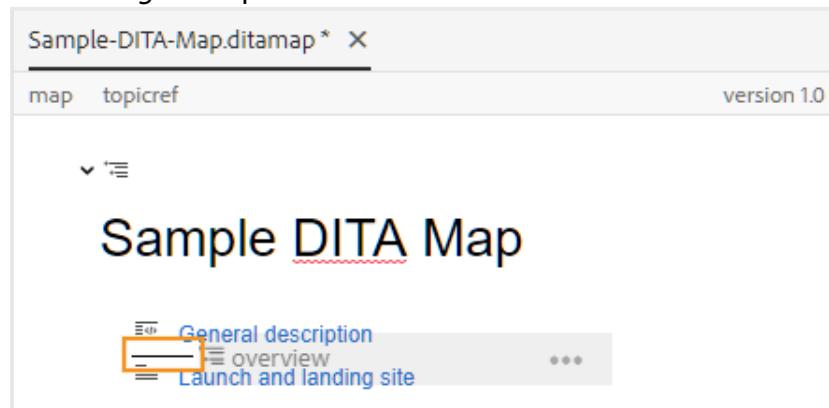
*The topic is added in the map.*



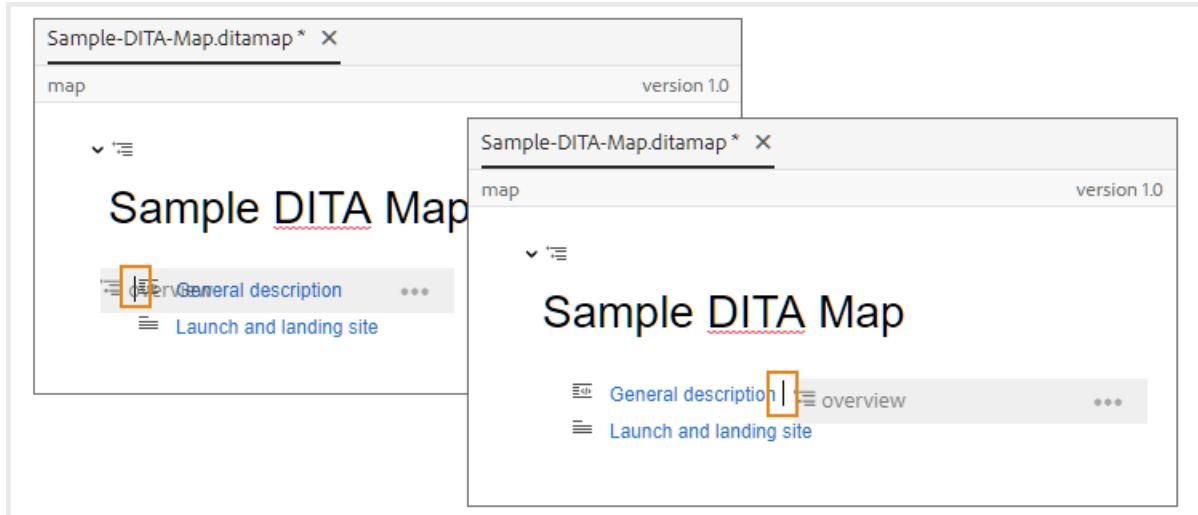
- 8) To add subsequent topics or a sub-map, drag-and-drop the topic or sub-map to the required location in the map.

*Consider the following points while building your map file:*

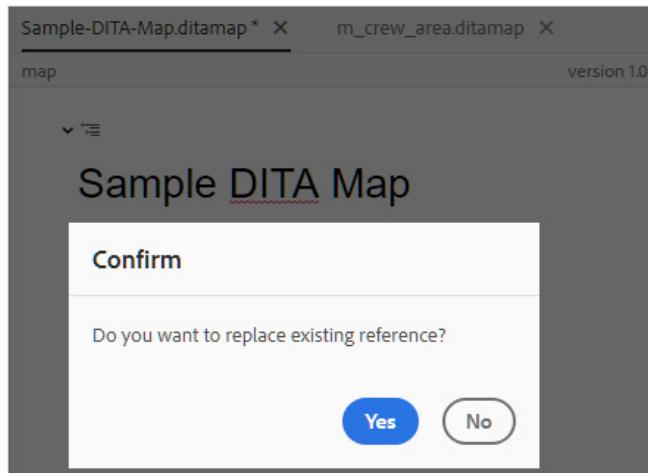
- The file is added at a location where the horizontal bar appears in the map editing area. In the following screenshot, the *Overview* topic will get added in between the *General Description* and *Launch and Landing Site* topics.



- To replace a topic, place the topic on top, left, or right of the topic that you want to replace. A vertical bar to the left or right of a topic indicates that it will get replaced with the topic being dropped on it.

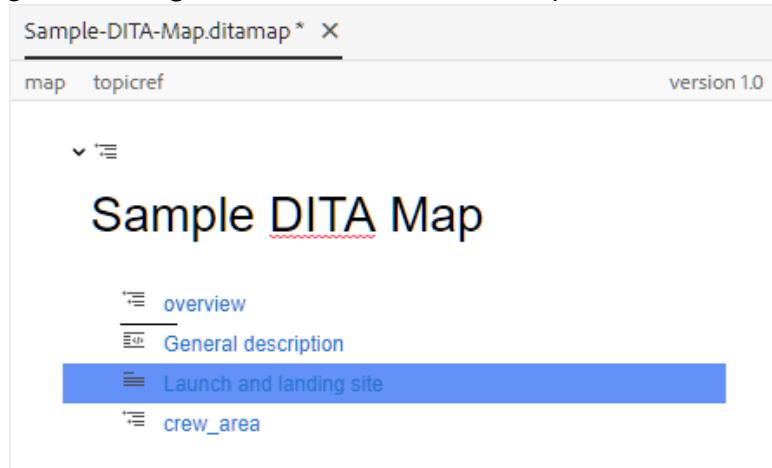


However, before replacing a topic, you get a confirmation prompt. The topic is replaced only after you give the confirmation.



- If you add a sub-map to your DITA map, the sub-map is shown as a link in the DITA map. To view all the topics of the sub-map, **Crtl+Click** the sub-map link. The content of the sub-map are shown in a new tab. Similarly, to open a topic from the DITA map, **Crtl+Click** the topic link and it opens up in the new tab.
- You can use shortcut keys **CTRL+Z** and **CTRL+Y** or their respective icons in the toolbar to undo or redo any change in the map.
- To change the position of a topic, select the topic (by clicking on the topic icon), then drag-and-drop it at the desired location in the map file. Ensure that the horizontal bar is visible

at the location where you want to place the topic. In the following screenshot, the topic *Launch and Landing Site* is being moved after the *Overview* topic.



- To check the properties of your map file, right-click anywhere in the map editing area and choose **Properties** from the context menu. Based on your AEM version, you could see properties like metadata, schedule (de)activation, references, document state and more.
- 9) Click **Save**.

## Features available in the Advanced Map Editor's toolbar

The toolbar in the Advanced Map Editor is similar to the topic Web Editor. The basic operations like toggling the left panel, saving map, creating a new version of map, undo/redo last operation, and delete the selected elements are common in both editors. For detail about how these operations work, see [Know the Web Editor toolbar](#) section.

The following map-specific operations are also available on the toolbar:

**Key Resolution** –

Click the Key Resolution icon to browse to and select a DITA map file that contains the key space information.

**Find and Replace** –

Finds and replaces text in the map title or metadata.

**Toggle Tags View** –

Shows or hides the XML tags. The tags serve as visual cues indicating an element's boundary. In this mode, if you want to insert a topic/map reference, then drag-and-drop the desired file before or after the tag. The horizontal bar is not shown in the Tags View mode.

**Insert Element** –

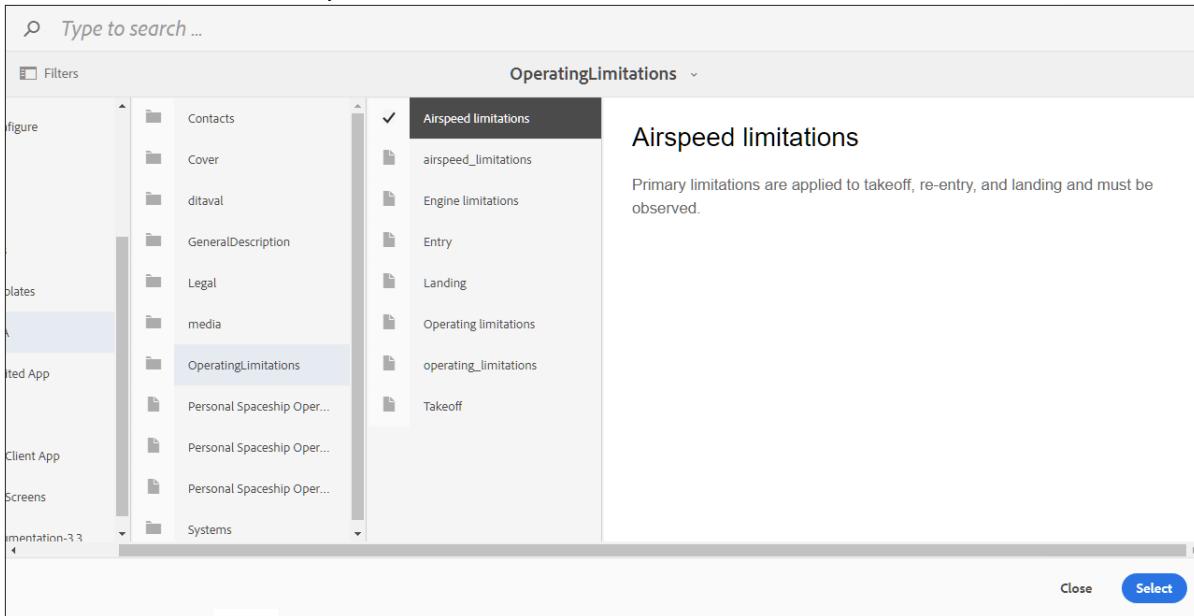
Displays the Insert Element dialog. Select the element that you want to insert. You can use the keyboard to scroll through the list of elements and press Enter to insert the required element. Alternatively, you can click directly on the element to insert it in the map.

**Insert Before/Insert After – **

Displays the Insert Element dialog. Select the element that you want to insert in the map. Depending on the operation, the new element is inserted before or after the current element in the map.

**Insert Topic Reference –**

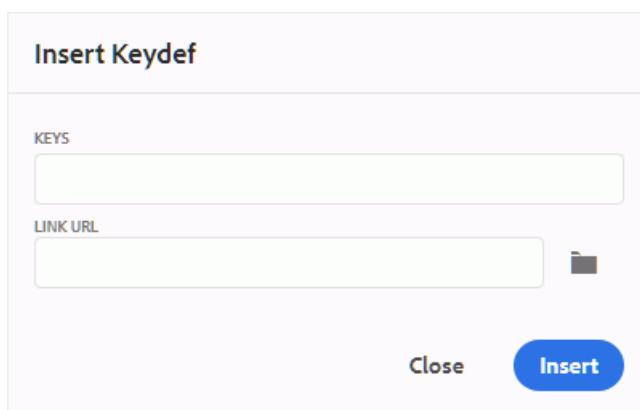
Displays the topic search dialog. Navigate to the topic/map file that you want to insert and click **Select to add it to the map.**

**Insert Topic Group – **

Insert the `<topicgroup>` element. For more information about grouping topics, see the [topic-group](#) documentation in OASIS DITA Language Specification.

**Insert Key Definition – **

Displays the Insert Keydef dialog. Use this dialog to define any key definition that you want to use in the map.



**Insert Relationship Table –** 

Inserts a relationship table in the map. As the concept of working with the relationship table is same as explained in the Basic Map Editor section, see [Work with relationship tables in the Basic Map Editor](#) for more details.

**Reuse Content –** 

Displays the Content Reuse dialog. Use this dialog to insert the content that you want to reuse in your map.

**Move the Selected Item Left/Right –** 

Click the left arrow to move the topic towards left side in the hierarchy. This essentially promotes the respective topic one level up in the hierarchy. For example, clicking the left arrow while a child topic is selected make it the sibling of the topic above it. Similarly, if you click the right arrow, the topic is pushed towards the right side making it the child of the topic above it.

**Checkout/Checkin –** 

Checks out or in the map file.

**NOTE:** Use the Properties panel to add properties or metadata to your map or topics within the map file.

## Edit topics through DITA map

Editing an individual topic doesn't give the complete context to the author. An author would have no information about where a topic is placed in a DITA map. Without this contextual information, it becomes a bit difficult for authors to create content.

XML Documentation solution allows authors to open a DITA map in the Web Editor and see the placement of topics within the map. This helps authors to know where exactly the topic is placed within the map and create more relevant content. Also, if there are multiple authors working on a project, they can know what all topics are available in the map and reuse content, wherever required.

To edit topics through a DITA map, perform the following steps:

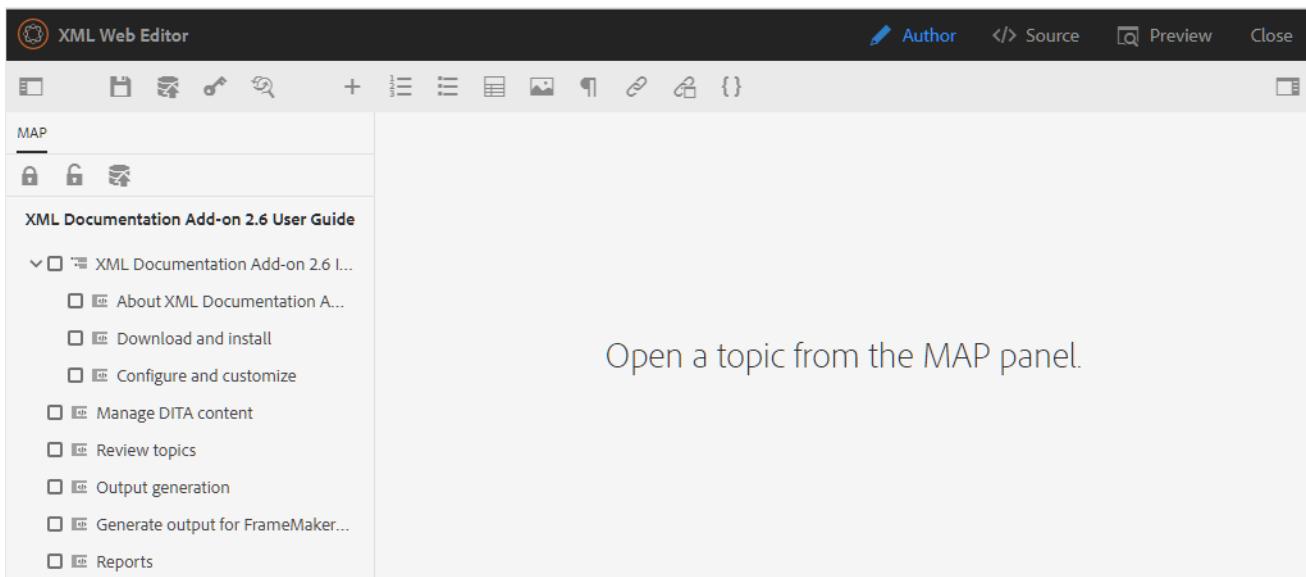
- 1) In the Assets UI, navigate to the DITA map that contains the topics that you want to edit.
- 2) Click on the DITA map to open it in DITA map console.
- 3) Select the **Topics** tab to see a list of topics available in the DITA map.

**TIP:** The Topics tab gives you an option to download the map file with its dependents. For more details, see [Download a DITA map file](#).

- 4) In the main toolbar, click **Edit Topics**.

The DITA map opens in the Web Editor.

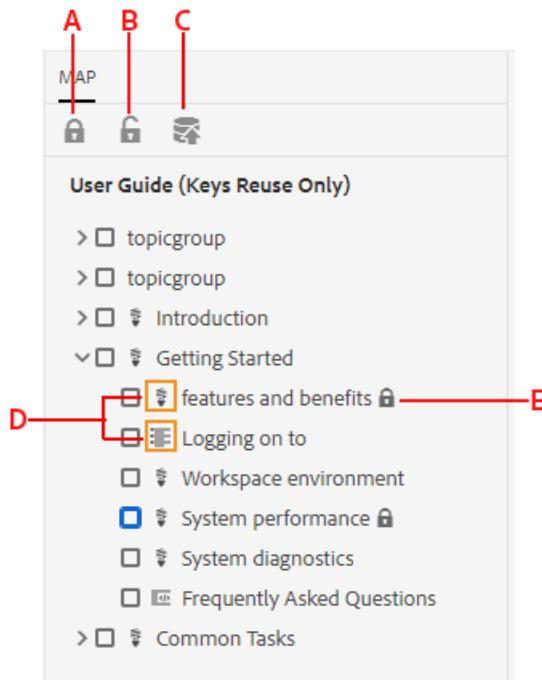
**NOTE:** You can also select the DITA map file in the Assets UI and click **Edit Topics** in the main toolbar to launch the Web Editor.



- 5) (Optional) You can also select a topic from the map and checkout the file before editing. To checkout file(s), select one or more files from the left pane and click **Checkout and Lock**. You can also release the lock on any file by selecting the checked out file and clicking on the **Cancel Checkout and Unlock** icon.

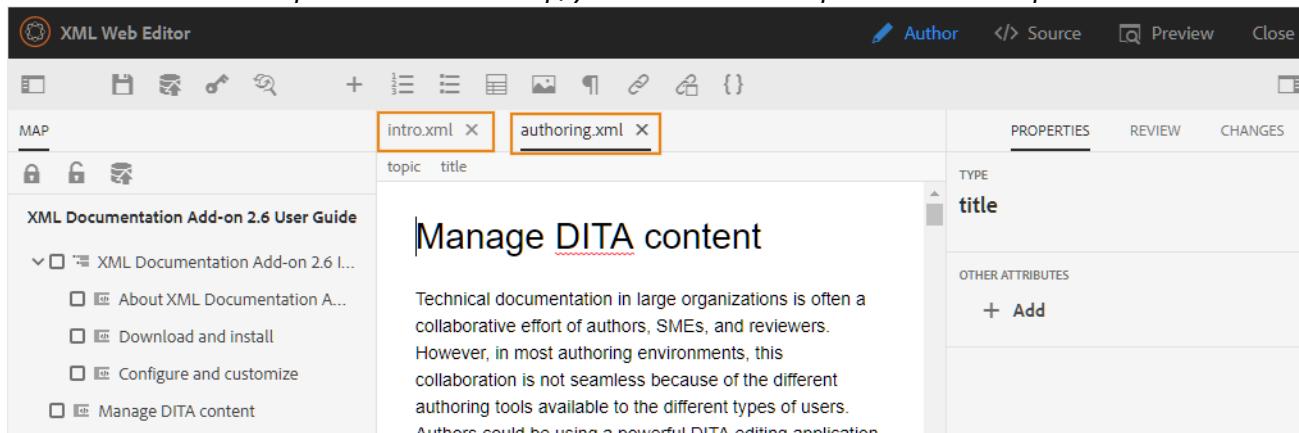
**IMPORTANT:** If your administrator has configured the **Disable Edit Without Checkout** option, then you must check out the file before editing. If you do not checkout the file, then the document will open in the editor in read-only mode.

The following screenshot highlights the icons for Checkout and Lock (A), Cancel Checkout and Unlock (B), Save Revision and Unlock (C), different icons showing different DITA file types (D), and files that are checked out (E).



- 6) Click on any topic link to open it in the Web Editor for editing.

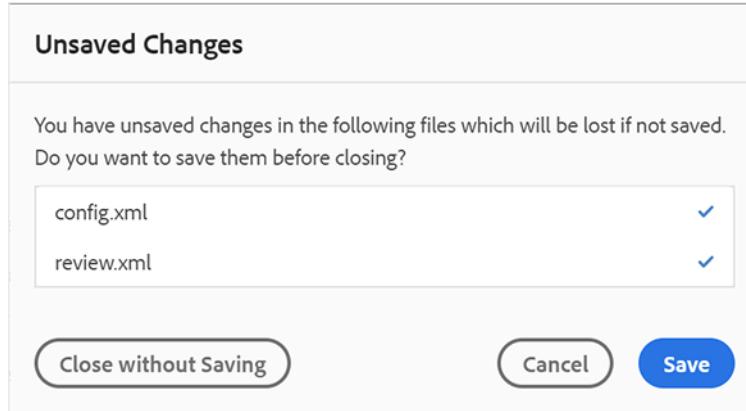
*You can open multiple topics in the editor and each topic is opened in a new tab in the editor. Even if your DITA map contains sub-maps, topics from the sub-maps are also opened in a new tab for editing. If you want to view the topics under a sub-map, you can click and expand the sub-map.*



*If you click a map file, the map is opened in a new tab of the web browser.*

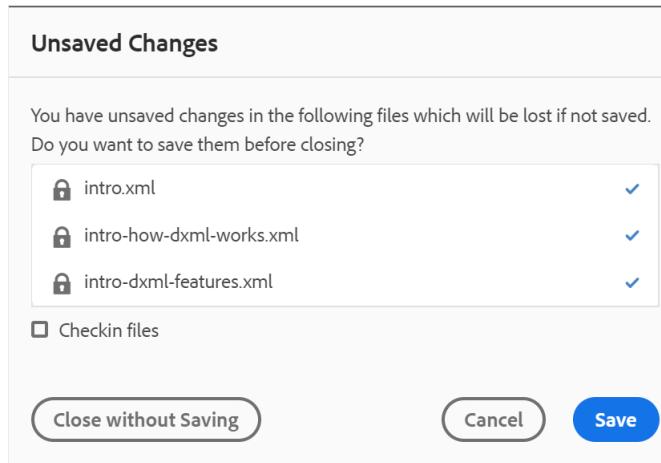
- 7) Once you have finished editing the topics, you can do the following:

- You can save them individually. If you click on **Close Without Saving** your topics, you will see a dialog prompting you to save the unsaved topics:



You can choose to save all selected topics or deselect the topics that you do not want to save.

- You can check in the topic using the **Save Revision and Unlock** button. When you save a revision of the topic, a new revision is created and the lock is also released.
- If your administrator has enabled the option of checking in files on close, then you will be shown a prompt to save files whenever the checked out files are closed. With this option enabled, when you close the editor with changed files, you are shown the list of checked-out files that need to be saved. The checked out files are shown with a lock icon:



- Clicking on **Close Without Saving** button closes the files without saving any changes.
- Clicking the **Save** button saves the changes, but does not check in the files.
- Selecting the **Checking Files** option and then clicking the **Save** button checks in the files (creates another version) and also saves the files.

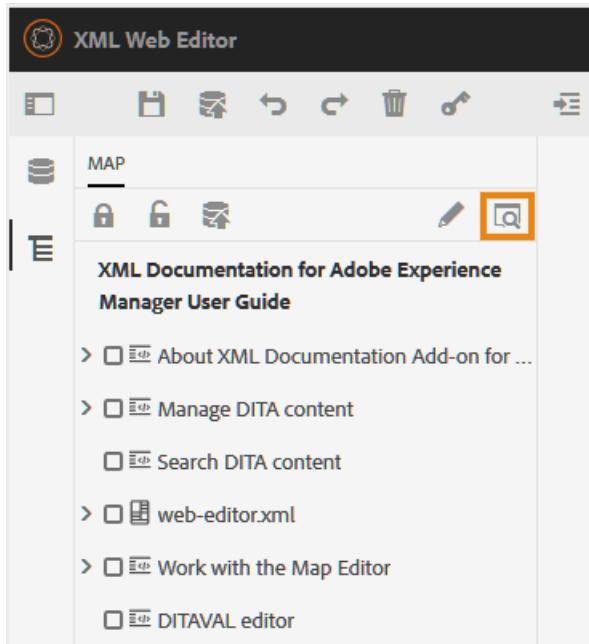
## Preview a map

In addition to be able to see the position of each topic file within a map, it is desirable to see the map content in one consecutive flow. The Preview Map feature allows you to see the entire content of the map file in a single click. You don't have to generate an output of the map file to see how the entire map will

look like once published. You can simply access the map's preview and all topics and sub-maps are rendered in the form of a book.

You can access a map's preview from:

- **Assets UI:** In the Assets UI, navigate to the map location, select the map file, and choose **Preview Map** in the Toolbar. The map's preview is shown in a new tab. You can view the content of all topics in the preview mode. In this view, you cannot edit any topic.  
*NOTE: If the Preview Map option is not visible in the main toolbar, it might have moved under the More toolbar menu.*
- **Advanced Map Editor:** In the Advanced Map Editor, click on the Preview icon to see the preview of the current map.



You can perform the following additional tasks in the preview mode:

- Right-click on a topic, and select **Edit** to open the topic for editing in a new tab.  
*NOTE: If you don't have editing rights, then the topic will open in read-only mode.*
- Jump to the desired topic by clicking on the topic title in the map tree (in left panel).
- The current topic in map preview is also highlighted in the map tree.

## Other features in the map editors

Some common features in the Basic and Advanced Map Editors are:

## Resolve key references

A DITA content key reference, or `conkeyref` is a mechanism for inserting a part of content from one topic into another. This mechanism uses key to locate the content to reuse rather than the direct content referencing mechanism. For more information about direct and indirect referencing in DITA, see *DITA addressing* in OASIS DITA Language Specification.

If the DITA topic has associated key references, then they need to be resolved before previewing, editing or reviewing a topic. The key references can be stored within a DITA map file or a separate DITA file. In XML Documentation solution, you can specify key references either at the project level or a session level.

If a root map is already defined for the user session, then it is used for resolving the keys. Else, the default root map for that folder is used. In case a default root map is not configured, then the missing key references are highlighted to the user.

There are several ways to resolve key references in a DITA topic by defining the DITA map to be used at the following locations:

**Project properties** - You can define a root map for resolving key references while creating a Project in the Project Properties section.

This root map will be applicable for all assets (folders and sub-folders) associated with that project. For content that is referenced in multiple projects, an alphabetical list of projects is maintained and the default root map associated with the first project is used. You can also choose the DITA map to be used from the list for resolving key references.

**Topic preview** - In the topic preview mode, click on the Key Resolution icon in the toolbar and select the DITA file to be used for key references.

**Topic edit view** - Click on Key Resolution icon while editing a DITA topic and select the DITA file to use for resolving the key references.

## Work with subject scheme maps

Subject scheme maps are a specialized form of DITA maps that are used to define taxonomic subjects and controlled values. Depending upon your requirements, you can create a subject scheme map and reference it within your topic file. The following example shows how to use subject scheme in XML Documentation solution.

- 1) Create a subject scheme file in a tool of your choice. The following XML code creates subject scheme that binds values for the `platform` attribute.

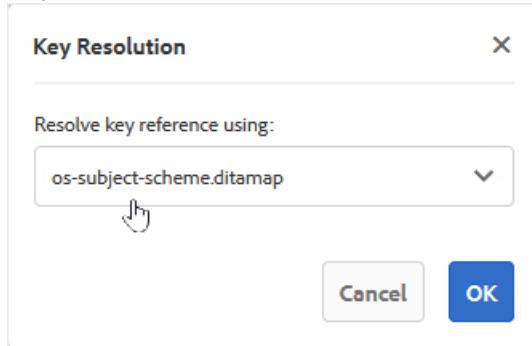
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE subjectScheme PUBLIC "-//OASIS//DTD DITA Subject Scheme Map//EN"
"subjectScheme/dtd/subjectScheme.dtd">
<subjectScheme>
    <subjectdef keys="os" navtitle="Operating system">
        <subjectdef keys="linux" navtitle="Linux">
            <subjectdef keys="redhat" navtitle="RedHat Linux"/>
```

```
<subjectdef keys="suse" navtitle="SuSE Linux"/>
</subjectdef>
<subjectdef keys="mswin" navtitle="Windows"/>
<subjectdef keys="zos" navtitle="z/OS"/>
</subjectdef>
<enumerationdef>
  <attributedef name="platform"/>
  <subjectdef keyref="os"/>
</enumerationdef>
</subjectScheme>
```

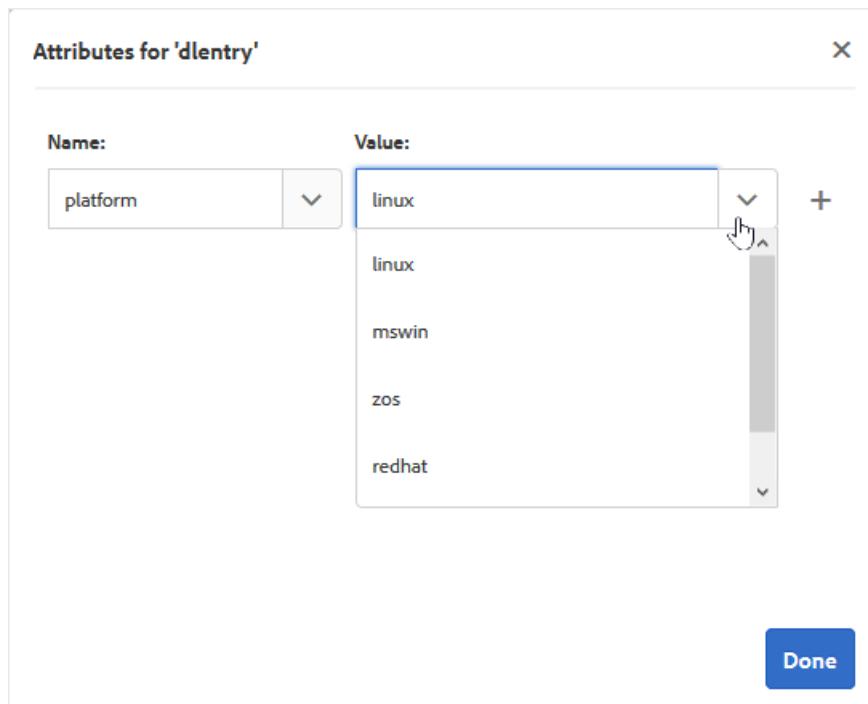
- 2) Save the file with .ditamap extension and upload it to any folder in DAM.

*NOTE: You can add the subject scheme file to the parent DITA map.*

- 3) In the Web Editor, open the file where you want to use the subject scheme definitions.
- 4) Click the **Key Resolution** icon to open the Key Resolution dialog.
- 5) Browse to and select the subject scheme file and click **OK**.



- 6) From the breadcrumb, select the element to which you want to apply the `platform` attribute.
- 7) Right-click on the selected text and choose **Attributes**.
- 8) In the Attributes For selection dialog, enter or choose the `platform` attribute. The **Value** field changes to a drop-down list containing the permissible values.



- 9) Select the desired attribute value and click **Done** to assign the value to the selected element.

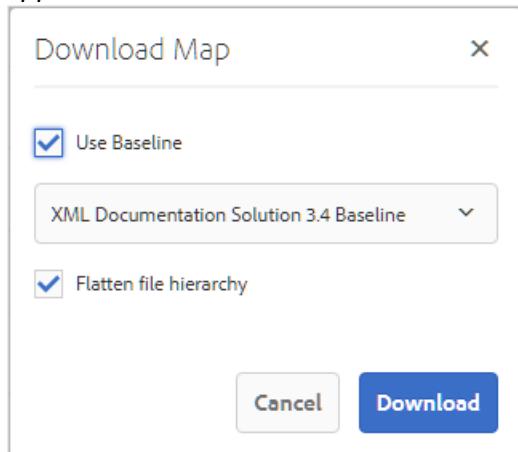
## Download a DITA map file

Once you have the DITA map file, you can download the map file along with its dependents. This gives you the flexibility to share the complete map file for offline editing, validation, review, or simply create a backup.

Perform the following steps to download a DITA map file along with its dependent files:

- 1) In the Assets UI, navigate to the DITA map that you want to download.
- 2) Click on the DITA map to open it in DITA map console.
- 3) Select the **Topics** tab to see a list of topics available in the DITA map.
- 4) In the main toolbar, click **Download Map**.

The Download Map dialog appears.



- 5) In the Download Map dialog, you can choose the following options:
  - **Use Baseline:** Select this option to get a list of Baselines created for the DITA map. If you want to download the map file and its contents based on a specific Baseline, select the Baseline from the drop-down list. For more details about working with Baselines, see [Work with Baseline](#).
  - **Flatten File Hierarchy:** Select this option to save all referenced topics and media files in a single folder.
- NOTE: You can also download the map file without selecting any option. In that case, the last persisted version of the referenced topics and media files are downloaded.*
- 6) Click **Download**.
- A ZIP file of the map is created and you are prompted to download it on your system.
- 7) Click **Save**.

## Bulk tagging of DITA content

Tags allow you to group or classify content within your content repository and also in the published output. If you have applied tags on your content, you can easily find related topics within a DITA map that can help you to authoring content. With the published output, end users will be able to locate the right content faster with proper tags in place.

XML Documentation solution allows you to tag DITA content in a few clicks. You can use the bulk tagging feature to apply multiple tags on multiple topics, a DITA map, or on a sub-map. Or, you can also apply tags on an individual topic. Tagging is the native feature in AEM, you can find more details about creating and managing tags in the [Administering Tags](#) section in AEM documentation.

By default, XML Documentation solution does not grant read access to any user on the folder where all tags in the AEM repository are stored. To use tags defined in the AEM repository, you must ask your system administrator to grant access on the folder where the tags are stored.

### Apply bulk tags

Use the bulk tagging feature to apply multiple tags at once. Perform the following steps to apply tags to your topics in a DITA map:

- 1) In the Assets UI, navigate to and click on the DITA map file.

*The DITA map console appears showing the list of Output Presets available to generate output.*

- 2) Click **Topics**.

*A list of topics available in the DITA map are displayed.*

## Chapter 5

- 3) Select the topics or sub-map on which you want to apply tags.

Topic	Keys	Attributes	Tags
<input checked="" type="checkbox"/> About XML Documentation Add-on for Adobe Experience Manager			platform : windows
<input type="checkbox"/> Download and install			
<input type="checkbox"/> Configure and customize			
<input type="checkbox"/> Manage DITA content			platform : windows
<input type="checkbox"/> Review and approval			platform : windows
<input type="checkbox"/> Translate content			platform : windows

**NOTE:** The above screenshot shows a sub-map selected and expanded. On selecting the sub-map, all the topics under the sub-map are also selected.

- 4) Click **Apply Tags**.

The Select Tags dialog appears.

- 5) Select one or more tags that you want to apply on the selected topics.

- 6) Confirm your selection.

The selected tags are applied on the topics and shown next to the topic title.

**NOTE:** After adding tags to your topics, if you move or delete a topic, then the tags for those topics are also removed. However, that topic remains in the map until you remove it.

## Apply tags on an individual topic

Perform the following steps to apply tags to an individual topic:

- 1) In the Assets UI, navigate to and select the topic file on which you want to apply tags.
  - 2) In the toolbar, click **Properties**.
- The topic's properties page appears.
- 3) In the Basic tab, click the Browse icon next the **Tags** field.
  - 4) Select one or more tags that you want to apply on the selected topic.

## Chapter 5

---

5) Confirm your selection.

6) Click **Apply Tags**.

*The selected tags are applied on the topic and shown in the Tags field.*

7) Click **Save & Close**.

## Remove tags

As per your business needs, you can change the tagging information for any DITA topic. You can easily remove all tags at once or remove only those tags that are no valid on the topic.

Perform the following steps to remove all tags from one or more topics:

1) In the Assets UI, navigate to and click on the DITA map file.

*The DITA map console appears showing the list of Output Presets available to generate output.*

2) Click **Topics**.

*A list of topics available in the DITA map are displayed.*

3) Select the topics from which you want to remove tags.

4) Click **Remove Tags**.

*NOTE: If the Delete Tags icon is not visible, ensure that you have not enabled the Hide Tags feature.*

5) On the Confirm Delete dialog, click **OK** to remove tags from the selected topics.

## Show or hide tags

If you have a long list of tags applied on your topics, then you might find it a bit cumbersome to navigate. You can easily hide tags in from your DITA map console view by clicking on the Hide Tags icon. Similarly, when the tags are not visible, clicking on the Show Tags reveals all tags.

---

# DITAVAL editor

DITAVAL files are used to generate conditional output. In a single topic, you can add conditions using element attributes to conditionalize content. Then, you create a DITAVAL file wherein you specify the conditions that should be picked up to generate content, and which condition should be left out from the final output.

XML Documentation solution allows you to easily create and edit DITAVAL files using the DITAVAL editor. The DITAVAL editor retrieves the attributes (or tags) defined in your system, and you can use them to create or edit DITAVAL files. For more details about creating and managing tags in AEM, see [Administering Tags](#) section in AEM documentation

## Create DITAVAL file

Perform the following steps to create a DITAVAL file:

- 1) In the Assets UI, navigate to the location where you want to create the DITAVAL file.
- 2) Click **Create > DITA Topic**.
- 3) On the Blueprint page, select DITAVAL file template and click **Next**.
- 4) On the Properties page, specify the **Title** and **Name** for the DITAVAL file.

*NOTE: The name is automatically suggested based on the Title of your file. If you want to manually specify the file name, then ensure that the Name does not contain any spaces, apostrophe, or braces and ends with .ditaval.*

- 5) Click **Create**. The Topic Created message appears.

*You can choose to open the DITAVAL file for editing in the DITAVAL editor, or the save the topic file in the AEM repository.*

## Edit DITAVAL file

Perform the following steps to edit a DITAVAL file:

- 1) In the Assets UI, navigate to the DITAVAL file that you want to edit.
- 2) To get an exclusive lock on the file, select the file and click **Check Out**.
- 3) Select the file and click **Edit** to open the file in XML Documentation solution DITAVAL editor.

*The DITAVAL editor allows you to perform the following tasks:*

**A: Toggle Left Panel**

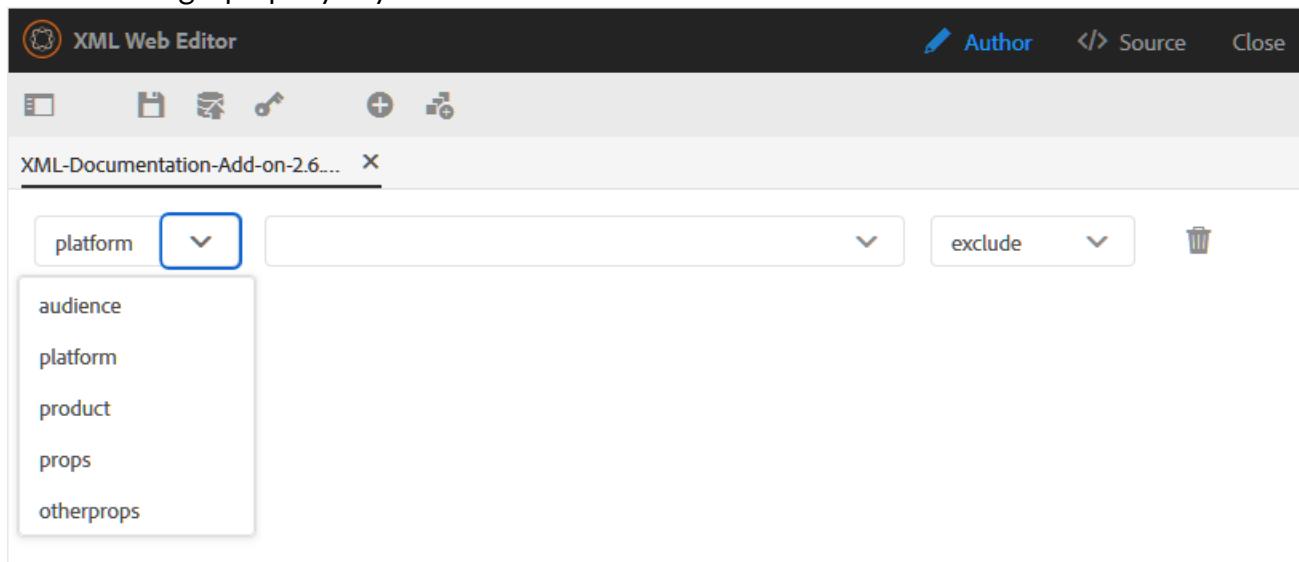
Toggle the left panel view. If you have opened the DITAVAL file through DITA map, the map and repository are shown in this panel. For more information about opening a file through DITA map, see [Edit topics through DITA map](#).

**B: Save**

Saves the changes you have made in the file. All your changes are saved in the current version of your file.

**C: Add Property**

Add a single property in your DITAVAL file.

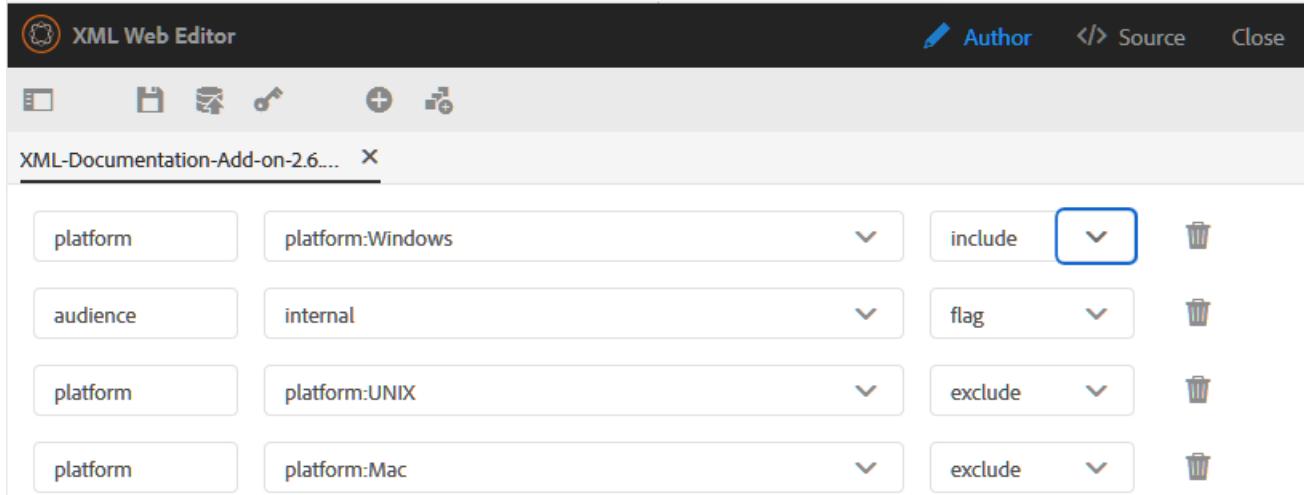


The first drop-down lists the allowed DITA attributes that you can use in the DITAVAL file. There are five attributes that are supported - audience, platform, product, props, and otherprops.

The second drop-down list shows the values configured for the selected attribute. Then, the next drop-down list shows the actions that you can configure on the selected attribute. The allowed values in the action drop-down are - include, exclude, passthrough, and flag. For more information about these values, see the definition of [prop](#) element in OASIS DITA documentation

## D: Add All Properties

If you want to add all conditional properties or attributes defined in your system with a single click, use the Add All Properties feature. *NOTE: If all defined conditional properties already exist in the DITAVAL file, you cannot add more properties. You get an error message in this scenario.*



- 4) Once you have finished editing your DITAVAL file, click **Save**.

*NOTE: If you close the file without saving, the changes will be lost. If you do not wish to commit changes into AEM repository, click **Close**, and then click **Close Without Saving** in the **Unsaved Changes** dialog.*

## DITAVAL editor views

The XML Documentation solution DITAVAL editor supports viewing DITAVAL files in two different modes or views:

### Author

This is a typical What You See is What You Get (WYSIWYG) view of the DITAVAL editor. You can add or remove properties using the simple user interface, which presents the properties, its values, and actions in drop-down list. In the Author view, you have the options to insert an individual property and insert all properties with a single click.

You can also find the version of the DITAVAL file that you are currently working on by hovering your pointer over the filename.

### Source

The Source view displays the underlying XML that makes up the DITAVAL file. In addition to making regular text edits in this view, an author can also add or edit properties using the Smart Catalog.

To invoke the Smart Catalog, place the cursor at the end of any property definition and enter "<". The editor will show a list of all valid XML elements that you can insert at that location.

The screenshot shows the XML Web Editor interface. The title bar says "XML Web Editor" and has tabs for "Author" and "Source". Below the title bar is a toolbar with icons for file operations like Open, Save, and Print. The main area is titled "XML-Documentation-Add-on-2.6...." and contains an XML code editor. The code is as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<val>
  <prop action="include" att="platform" val="platform:Windows">
    </prop>
  <prop action="flag" att="audience" val="internal">
    </prop>
  <prop action="exclude" att="platform" val="platform:UNIX">
    </prop>
  <prop action="exclude" att="platform" val="platform:Mac">
    </prop>
  <!-->
</>
</>
```

Line 12 shows the cursor at the end of the closing tag of the last prop element. A tooltip box is displayed, listing suggestions for valid XML elements. The suggestions include:

- ↪/ <prop
- <revprop
- <style-conflict

---

# Review topics

Almost all technical documents need to go through multiple rounds of reviews. In most cases, a review cycle involves more than one reviewer. Addressing and responding to comments from multiple reviewers is always challenging for authors. Also, in a multiple reviewer scenario, it is helpful if one reviewer can see the comments made by other reviewers.

Some of the main features offered by XML Documentation solution to the *initiators (or authors)* and *reviewers* are:

- Send one or more topics for review in a single review task
- Send a topic for review in multiple review task
- Select a DITA map or topic based on their latest version, version on date, or a label (for topics) and Baseline (for map)
- Share an updated version of the topic for review from the Review Dashboard
- Access comments shared on different versions of topic
- Group and filter comments based on version of topic
- See side-by-side differences between different versions of topics shared for review
- Automatically import (deleted or inserted) comments into the version of topic that was shared for review

Features available to the *reviewers*:

- Get one composite view of the topics shared for review
- Switch between composite view and individual topic view
- Use the commenting tools, such as text insertion, deletion, highlight, and note/comment to provide their feedback
- Use the Review Panel to add comments or respond to comments from other users
- Easily know the version of topic under review
- Receive notification on receiving an updated version of topic for review
- See differences between older and newer version of topic shared for review
- See comments made by other reviewers or replies on comments from author in real time
- Access comments given on older version of topic

**NOTE:** See [Review](#) for best practices around creating review task.

## Send topics for review

The review workflow creates a multi-reviewer environment wherein the initiator specifies a list of topics for review, add multiple reviewers, and assigns a timeline for the review task. XML Documentation solution allows users belonging to the Authors and Publishers groups to initiate a review.

As the review workflow is project specific, the initiator of review must be a part of the project team or have rights to create a project. At the time of creating a project, you define the team members for the project and assign them various roles or groups. For more information about projects, see [Create a DITA project](#).

There are two ways in which an Author/Publisher can create a review task:

- Send one or more topics for review
- Send multiple topics from a DITA map for review

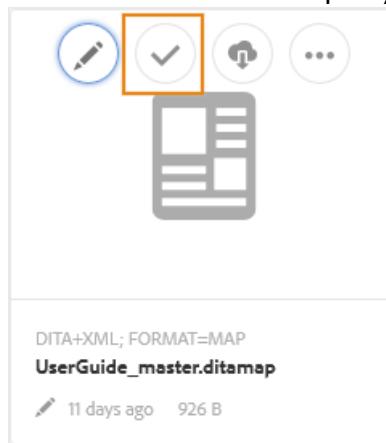
## Send one or more topics for review

**IMPORTANT:** Before you create a review task, ensure that you have created a project and added reviewers to that project.

To create a review task and send topics for review, perform the following steps:

**NOTE:** You can create a review task only if you are an author or publisher in a DITA project.

- 1) Navigate to the required folder in the Assets UI.
- 2) Click the Select icon in the quick action and select the topics you want to send for review.



- 3) In the toolbar, click **Create Review Task**. The review task creation page is displayed.

**NOTE:** You can create a review task for only those topics that have a revision. In case the selected topic does not have a revision, you will be shown a prompt.

The screenshot shows the 'Create Review Task' dialog box. At the top, there are three tabs: 'Details' (selected), 'Content', and 'Reviewers'. On the right side, there are 'Cancel' and 'Next' buttons. The 'Title\*' field contains the text 'Review the overview article'. The 'Project' dropdown menu is open, showing 'DXML 3.5 Release'. The 'Assign To' dropdown menu is also open, showing an empty list. Below these fields is a button labeled 'X Reviewers'. Underneath is a large empty text area for 'Description'. At the bottom, there is a 'Due Date\*' field containing '2019-10-31 15:24' with a calendar icon to its right. A checkbox labeled 'Allow assignees to review any topic' is checked.

- 4) Enter a **Title** for the task and select a **DITA Project** from the drop-down list.
- 5) In the **Assign To** drop-down field, select the reviewers to whom you want to send the topics for review.  
*You can assign a review task to individual users of the project or to user groups. Note that you can assign a review task to individual users only when you are a part of the project's administrator group, else you will only see the user groups in the Assign To field.*

**NOTE:** Review workflow is project specific. When you create projects, you add the team members to the project and assign them to groups. So when you select the project here, you get to choose the members who are a part of that project. For more information about projects, see [Create a DITA project](#).

- 6) Enter a **Description** for the task.  
*This description is used as the body of the notification email sent to the reviewers.*
- 7) Select the **Due Date** and time to mark the deadline for the review.

**NOTE:** On reaching the deadline, an email is sent to the initiator notifying that the review task has completed. The initiator can extend the deadline of the review task from the Review Dashboard.

- 8) As you can assign different reviewers to different topics, **Allow Assignees to Review Any Topic** option controls whether reviewers can review all topics in a review task or only those topics that they are assigned to review.

*If you want to allow all reviewers to review any topic in the review task, select **Allow Assignees to Review Any Topic**.*

If you do not select this option then reviewers added in the **Assign To** field will have access to review only those topics that are assigned to them.

- 9) Click **Next**.

The Content page is displayed.

NAME	VERSION	VERSION DATE AND TIME	LABEL
Work with the Map Editor	1.0	Jun 24, 2019 9:15:04 AM	
Translate content	1.1	Sep 30, 2019 6:10:54 AM	

- 10) On the Content page, select a version of the topic that you want to share for review.

You can use one of the following methods to select a version:

- (Default) Choose the option **Their Latest Version** to select the last saved revision of the topics.
- Choose the **Version On** option and specify the date and time to select a version as on the specified date and time. If there is no version of topic available on the specified date, then a version available immediately after the specified date and time is selected.
- Choose the **Select a Label** option and select a label from the drop-down list.

- 11) After making your selection for choosing a version, click **Apply**.

The version based on the selected option is chosen for the topics.

**NOTE:** You can also manually select the desired version from the **Version** drop-down list of each topic.

- 12) Click **Next**.

The Reviewers page is displayed wherein you can add or remove reviewers. By default, the reviewers added in the **Assign To** field are auto-added to each topic selected for the review.

TOPIC	REVIEWERS
Work with the Map Editor	Publishers ✖ Reviewers ✖
Translate content	Editors ✖ Reviewers ✖

- 13) On the Reviewers page, you can add or remove reviewers. The following operations are available on the Reviewers page:

- **Select All:** Selects all topics in the topic list. You can easily perform a batch operation after selecting all topics.

- **Clear Selection:** Deselects the topics selected in the topics list.  
*NOTE: You can also individually select or deselect a topic by clicking on the checkbox next to the topic.*
- **Add:** Displays the Add Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to add as a reviewer to the selected topics.
- **Remove:** Displays the Remove Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to remove as reviewer from the selected topics.  
*NOTE: You can also remove a review from a topic by clicking the cross sign in the reviewer's box.*
- **Re-Assign:** Displays the Re-Assign Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to assign the review task to. This removes all existing reviewers from the selected topics and assign the newly selected reviewers to those topics.
- **Export:** Allows you to export the review task details in a CSV file. The file contains details such as the path and title of the topic, name of reviewer, and version of topics sent for review.
- **Edit Reviewers:** Clicking the  icon in the topic list displays the Edit Reviewers dialog. You can add or remove reviewers for the selected topic from this dialog.

- 14) Click **Create** to create the review task.

*A confirmation message is displayed when the review task is created successfully. The [Document state](#) for the topics sent for review is set to In-Review.*

*NOTE: You can also click Notifications bell at the top right of the screen and confirm that the review task has been created successfully. In the Notifications panel, you will find one notification each for the reviewers who were a part of the review task and one notification for the initiator of the review.*

An email is sent to all reviewers, notifying that they have been assigned a topic or multiple topics for review. The email contains a direct link that they can click and access the topic in a browser window.

In case multiple topics are assigned, the reviewers can view and select them in a drop-down list of topics in the web browser.

## Send multiple topics for review from a DITA map

A DITA map is a logical organization of topics within a book. When you send an individual topic for review, the reviewer does not get any information about the location of that topic in the book. If a reviewer has information about the exact location of the topic being reviewed, the reviewer gets a better context of the topic being reviewed.

XML Documentation solution allows you to send one or more topics in a DITA map for review at the same time. The reviewer gets to see the complete map file along with topics that have been shared for review. This makes it easier for the reviewer to get a context of the topic in the map or book file.

You can share the same DITA map in for review in multiple review tasks. For example, if in a DITA map there are topics A, B, C, D and E. In one review task you can share A, B, and C for review and in another review task you can send topics C, D and E for review. The review process allows for sharing the same topic and map file in multiple review tasks. For the common topic in multiple review tasks, the comments given in one review task do not overwrite or merge with the comments in the other review tasks.

**IMPORTANT:** *In case a topic of a map file has been shared in multiple review tasks, their status would show In-Review until all review tasks have completed.*

To send one or multiple topics along with the map file for review, perform the following steps:

**IMPORTANT:** *Once you initiate a review through a map file, you must not change the structure of the map file by adding new topics or removing existing topics.*

- 1) Navigate to the required folder in the Assets UI.  
*NOTE: Make sure the view of the console is set to either card view or list view.*
- 2) Select the map from where you want to send the topics for review.
- 3) In the toolbar, click **Create Review Task**. The review task creation page is displayed.
- 4) Enter a **Title** for the task and select a **DITA Project** from the drop-down list.

*NOTE: You can create a review task for only those topics that have a revision. In case your map contains topics that do not have a revision, then you are shown a prompt with a list of such files. Files without a revision are excluded from the review task.*

- 5) In the **Assign To** drop-down field, select the reviewers to whom you want to send the topics for review.

*You can assign a review task to individual users of the project or to user groups. Note that you can assign a review task to individual users only when you are a part of the project's administrator group, else you will only see the user groups in the Assign To field.*

*NOTE: Review workflow is project specific. When you create projects, you add the team members to the project and assign them to groups. So when you select the project here, you get to choose the members who are a part of that project. For more information about projects, see [Create a DITA project](#).*

- 6) Enter a **Description** for the task.

*This description is used as the body of the notification email sent to the reviewers.*

- 7) Select the **Due Date** and time to mark the deadline for the review.

*NOTE: On reaching the deadline, an email is sent to the initiator notifying that the review task has completed. The initiator can extend the deadline of the review task from the Review Dashboard.*

- 8) As you can assign different reviewers to different topics, **Allow Assignees to Review Any Topic** option controls whether reviewers can review all topics in a review task or only those topics that they are assigned to review.

*If you want to allow all reviewers to review any topic in the review task, select **Allow Assignees to Review Any Topic**.*

If you do not select this option then reviewers added in the **Assign To** field will have access to review only those topics that are assigned to them.

- 9) Click **Next**.

The Content page is displayed with all topics referenced from the map file. If your DITA map contains nested maps, then topics from the nested maps are also listed here.

NAME	VERSION	VERSION DATE AND TIME	LABEL
About XML Documentation for Adobe Experience Manager	Current Version (1.0)	Mar 11, 2019 9:50:36 AM	
Appendix	Current Version (1.0)	Mar 11, 2019 9:50:46 AM	
Basic troubleshooting	Current Version (1.0)	Mar 11, 2019 9:50:36 AM	
Best practices for content translation	Current Version (1.0)	Mar 11, 2019 9:50:45 AM	

- 10) On the Content page, select a version of the topic that you want to share for review.

You can use one of the following methods to select a version:

- (Default) Choose the option **Their Latest Version** to select the last saved revision of the topics.
- Choose the **Version On** option and specific the date and time to select a version as per the date and time. If there is no version of topic available on the specified date, then a version available immediately after the specified date and time is selected.
- Choose the **Select a Label** option and select a label from the drop-down list. All topics containing the selected label are selected in the **Version** drop-down list.
- Choose the **Select a Baseline** option and select a baseline from the drop-down list. All topic versions that are a part of the selected baseline are selected in the **Version** drop-down list.

- 11) After making your selection for choosing a version, click **Apply**.

The version based on the selected option is chosen for the topics.

**NOTE:** You can also manually select the desired version from the **Version** drop-down list of each topic.

- 12) Click **Next**.

The Reviewers page is displayed wherein you can add or remove reviewers. By default, the reviewers added in the **Assign To** field are auto-added to each topic selected for the review.

- 13) On the Reviewers page, you can add or remove reviewers. The following operations are available on the Reviewers page:

- **Select All:** Selects all topics in the topic list. You can easily perform a batch operation after selecting all topics.

- **Clear Selection:** Deselects the topics selected in the topics list.  
*NOTE: You can also individually select or deselect a topic by clicking on the checkbox next to the topic.*
- **Add:** Displays the Add Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to add as a reviewer to the selected topics.
- **Remove:** Displays the Remove Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to remove as reviewer from the selected topics.
- **Re-Assign:** Displays the Re-Assign Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to assign the review task to. This removes all existing reviewers from the selected topics and assign the newly selected reviewers to those topics.
- **Export:** Allows you to export the review task details in a CSV file. The file contains details such as the path and title of the topic, name of reviewer, and version of topics sent for review.
- **Edit Reviewers:** Clicking the  icon in the topic list displays the Edit Reviewers dialog. You can add or remove reviewers for the selected topic from this dialog.

**IMPORTANT:** You must assign at least one reviewer to create the review task.

- 14) Click **Create** to create the review task.

*A confirmation message is displayed when the review task is created successfully. The Document state for the topics sent for review is set to In-Review.*

*NOTE: You can also click Notifications panel at the top right of the interface and confirm that the task has been created successfully. In the Notifications panel, you will find one notification each for the reviews who were a part of the review task and one notification for the initiator of the review.*

*IMPORTANT: Once you have initiated a review, you must not move or delete the DITA map or topics to a different location. Doing so will result in a break in the review process.*

An email is sent to all the reviewers, notifying that they have been assigned topics for review. The email contains a direct link that they can click and access the topic in a browser window. The topics along with the DITA map are opened in the review mode.

## Review topics

If you are a reviewer, then you receive a review request email with the link to the review topics. Clicking on the link takes you to the review page wherein you can add your feedback on the shared topics.

Perform the following steps to review a topic:

- 1) Click the direct link given in the review request email.

*The topic or map link is opened in a browser.*

**NOTE:** You can also access the topic review link from your Inbox notifications area in the AEM user interface.

- 2) Depending on the way the topic review is initiated, you could see any one of the following two screens:

The following screen appears when a DITA map is used to initiate the review workflow:

The screenshot shows the 'authoring-upload-existing-files.xml' review interface. The left sidebar contains a tree view of DITA content with various annotations highlighted by orange boxes labeled A through F. The main panel displays a table of review tasks and a 'Upload existing files' section with instructions. The right sidebar shows a list of comments from different reviewers.

Action	Value	Status
Duplicate		Yes
Remove		Yes
DITA map console (Reports tab)	Yes	Yes
Features available in DITA map console (Condition Presets)		
Created/edit condition preset		Yes

**Upload existing files**

Most likely you would have a repository of existing DITA content that you would like to use with the XML Documentation solution. For such existing content, you can use any of the following two approaches to bulk upload your content into AEM repository:

Ensure that you do not upload your content within the projects folder in DAM. The projects folder is exclusively used for specific tasks, such as a review workflow sample Insert Text.

Comments:

- Highlight Oct 31, 2019, 5:46 PM by Reviewer Two
- files Sample Highlight 1
- Reply >
- Deletion Oct 31, 2019, 5:46 PM by Reviewer One
- you Sample strikethrough
- Reply >
- Comment Oct 31, 2019, 5:47 PM by Reviewer One
- Sample Add Comment
- Reply >
- Highlight Oct 31, 2019, 5:47 PM by Reviewer One

The following options are available on this screen:

- **A:** Show or hide the table of contents.
- **B:** The numbers highlighted by **F** can be filtered by choosing the desired filter option from here. You can filter annotations by its type, status, or reviewer. For example, if you want to see how many Strikethrough comments have been made in each of the under review topic, click the filter icon and then choose **Annotation Type > Deletion**.
- **C:** A topic that is not available for review is grayed out. The topic is shown in read-only mode and you are not allowed to add any review comments on such topics.
- **D:** A topic that is not directly assigned to the current reviewer, but is available for review. This happens when the review task is created with **Allow Assignees to Review Any Topic** option turned **ON**. In this case, a topic that is not directly assigned to the current reviewer but is a part of the review task is shown greyed out with an underline. Reviewers can click on this topic and add comments to the topic as they would do to any topic assigned to them.
- **E:** A topic that is assigned for review to the current reviewer is shown in black and is clickable. When the reviewer clicks on a topic link that topic is brought to the top of the screen.
- **F:** Number of comments received on a topic. This number changes based on the filter that you apply.

All topics in the map are shown as a single composite document. The topics that the reviewer is allowed to review are shown normally. The topics that the review is not allowed to review are grayed out.

The screenshot shows the AEM authoring interface with a composite document titled "authoring-upload-existing-files.xml". The left sidebar contains a table of contents (TOC) with various sections, some of which are grayed out. The main content area displays two sections: "Upload existing files" and "Search DITA content". The "Upload existing files" section is highlighted with an orange border. The "Search DITA content" section is also highlighted with an orange border. The right side of the interface features a comments panel with several comments from a reviewer named "Reviewer One".

In the above screenshot, the Upload existing file topic is shared for review the current reviewer, which is shown normally. However, the next topic, Search DITA content is not shared for review and it is shown in read-only mode. The topic which is currently in focus is also highlighted in the TOC.

The following screen appears when a topic or multiple topics are selected and shared for review:

The screenshot shows the AEM authoring interface with a composite document titled "generate-output-use-map-collection-output-generation.xml". The left sidebar contains a table of contents (TOC) with various sections. The main content area displays three sections: "Basic troubleshooting", "View and check the log file", and "Delete a Map collection or a DITA map from the Map Collection". The "Basic troubleshooting" section is highlighted with an orange border. The "Delete a Map collection or a DITA map from the Map Collection" section is also highlighted with an orange border. The right side of the interface features a comments panel with several comments from a reviewer named "Reviewer One".

**NOTE:** In case of multiple topics, they are shown as one composite document. The above screenshot highlights two different topics presented one after the other in a single view.

- 3) Open the Comments panel by clicking the **Comments** icon at the top-right corner of the toolbar.

Provide review comments by selecting an appropriate comment type from the toolbar and press Enter to submit your comment.

**NOTE:** The Comments panel shows the comments given on the current topics only. When you move focus to other topic, the comments given on the other topic are shown.

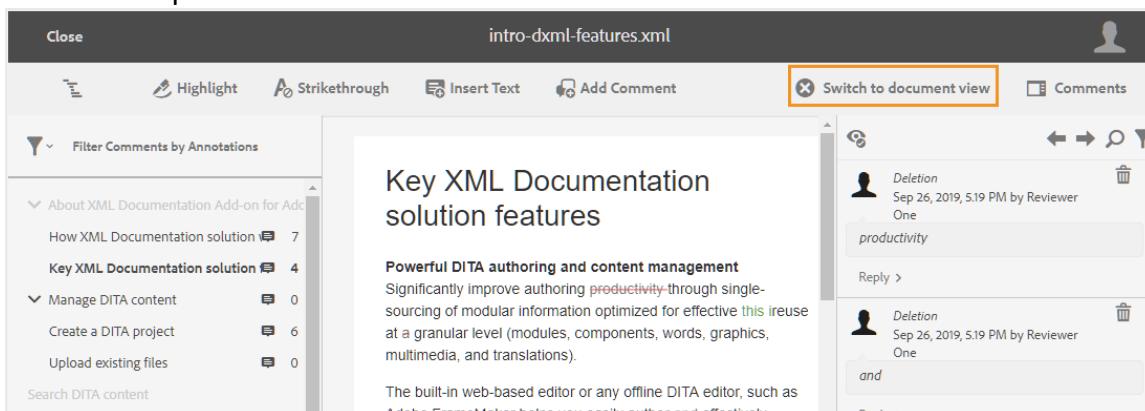
- 4) Click **Close** button once you complete reviewing the topic. On clicking the **Close** button, you will be redirected to the page from where you accessed the review topic.

## Addition features available on the review screen

### Composite view and topic view

By default, if multiple topics are shared for review, then a composite view of topics is shown to the reviewers. In case of a DITA map review, all topics in the map are presented in the form of a single document, resembling a book view. If you want, you can also click on a particular topic and only that topic is then shown on the review screen.

When you view a single topic, then you get an additional option to switch back to the composite document view. In the following screenshot, a particular topic from a map file is opened for review. The highlighted option — **Switch to Document View** allows user to switch back to the composite view of the map file.



### Working with different types of commenting tools

You can add inline comments by highlighting text, striking through text, inserting text, or adding a comment note. The different types of commenting tools are described below:

- **Highlight:** To add a highlight comment, select the text and click the Highlight icon. Or, click the Highlight icon and select the desired text:

After you have downloaded and installed the XML Add-on on your AEM instance, you can:

- FrameMaker Publishing Server to generate output using FMPS
- DITA-OT to use custom DITA-C
- Configure custom DITA topic te
- DITA specialization to use your
- Email templates to personalize
- Element mapping to define map
- Configure properties to support

**Highlight**  
2017-05-19 11:13 by Kuldip Sagar

Add a link to FMPS configuration section

Reply >

A pop-up appears wherein you can add your comment for the highlighted content.

- Strikethrough:** If you want to suggest content removal, you can do so by selecting the content and clicking the Strikethrough icon. Or, select the desired text and click the Delete key:

~~DITA-OT to use custom DITA-OT plug-ins~~

- Configure custom DITA topic templates to u
- DITA specialization to use your own markup
- Email templates to personalize the email m
- Element mapping to define mappings betw
- Configure properties to support publishing
- Change the number of results to display in

**Deletion**  
2017-05-19 12:07 by Kuldip Sagar

Remove this point

Reply >

A pop-up appears wherein you can add your comment for the deleted content.

- Insert Text:** If you want to insert text, click the Insert Text icon and place the cursor where you want to insert the text and type in the information. Or, place the cursor where you want to insert text and start typing. The added information appears in green colored font:

### Configure XML Add-on parameters for AEM 6.3

The configuration settings and customization of the XML Add-on are managed via the configurable properties of the XML Add-on through the AEM Web Console Con

Perform the following steps to access configurable properties for the XML Add-on:

- Add Comment:** Finally, if you want to add a sticky note type of comment, click the Add Comment icon and enter the comment in the pop-up.

## Comments panel

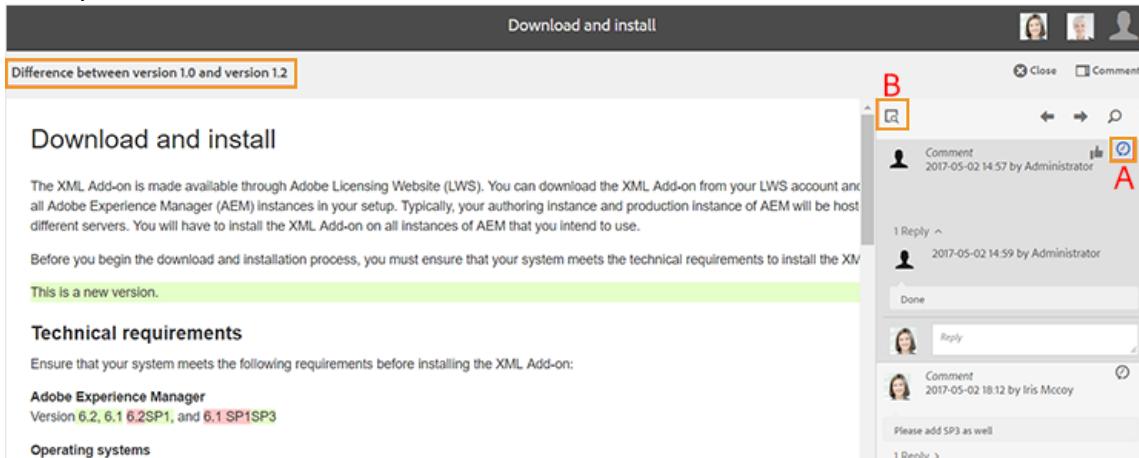
The Comments panel displays a list of comments given on the current topic. This panel also lists comments from other reviewers, if the topic is sent to multiple reviewers. Hovering over a user's icon (at the top right corner) shows when the user was last online. The tasks that you can perform using the Comments panel are described below:

- Clicking on a comment highlights and shows the corresponding comment's location in the document.
- You can add replies to comments.
- You can edit your own comment by double clicking on your commented text in the Comments panel or by double clicking on the corresponding annotation in the topic view.
- You can delete your own comments by clicking on the comment in the Comments panel and pressing the Delete key or the Delete icon.
- All participating users can respond to comments submitted by other users. On a comment, click Reply and press Enter to submit a response.

### Real-time review

The Comments panel updates in real-time with comments and the feedback or action taken by the author on the comments.

- Multiple reviewers will be able to leave comments or reply to comments simultaneously on the same document. You can find out who is currently reviewing the document by hovering the mouse over the user icon at the top-right corner of the screen.
- If a topic is a part of multiple review tasks, then the comments made in one task are not shown in the other task.
- Clicking icon A (*in the following screenshot*) displays the differences in between latest and the commented version of the document. The versions that are being compared is displayed at the top of the document.



- You can view changes in the document at word or block level. Clicking the icon B in the above screenshot switches between word and block level differences.

*In the following screenshot, the changes are shown at word level:*

**NOTE**

The folder structure for storing the custom DITA-OT plug-in should be: - \<parent-folder>\DITA-OT.

*The text highlighted in red denotes the deleted text and the text highlighted in green denotes the newly added text. If there are a large number of such changes made in the document, then it might*

become a bit difficult to understand the change at the word level. The same content when seen at a block level is shown below:

**NOTE**

The folder structure for storing the custom DITA-OT plug-in should be - \The folder structure for storing the custom DITA-OT plug-in should be: \<parent-folder>\DITA-OT.

Looking at the above screenshot, you can easily make out how the updated text block will look like.

- Finally, you can also check the Status of the comment as to whether the comment has been accepted or rejected by the author. Accepted comments are indicated by a thumbs up and rejected comments are indicated by thumbs down symbol.

### Filter comments

You can filter comments in a document to view specific comments as required. To filter comments, click the Filter button that appears in the menu at the top right of the review panel. Select one or more of the following filtering options.

- **Review Type** - Filter on the basis of the comments type – Highlight, Deletion, Insertion, or Comment.
- **Review Status** - Filter on the basis of the status of the comment like Accepted, Rejected, All, or None.
- **Reviewers** - Filter on the basis of the reviewer's name.
- **Versions** - Filter on the basis of the comments received on a particular version of the topic.

To remove the filter and view all the comments, click **Clear All Filters**.

## Address review comments

As an author, you can address comments in a topic using the Web Editor. The following sections describe ways of editing comments in the Web Editor.

### Web Editor

An author can address comments in a document from the Web Editor. Visual indicators are provided indicating whether comments that was inserted (text), deleted or highlighted. Also the type of comment is mentioned at the top of every comment entry.

**NOTE:** While addressing review comments (for an active review document), ensure that you—do not open the in-review topic in multiple tabs with full tags view enabled, do not switch between the Author and Source view modes.

**Best practices for content translation (v1.2)**

These are updated guidelines. Consider the following point for translating content:

- The folder and file names must comply with the file naming standards such as—there should be no spaces, apostrophe, braces, equals sign, special or non-ASCII characters.
- If you translate content in different languages, you must create folders corresponding to each language. Each of these language folders (locale) will contain the content corresponding to that language. For example, you can create folders using the language designator such as `de` for German, `fr` for French, and so on. Or, you can create folders using the language and region designators like `fr-FR` for French as used in France or `fr-CA` for French as used in Canada.
- A folder should not have more than 1000 files in it.
- Ensure that the user tasked with initiating the translation process has Read,

**Best practices for content translation (v1.2)**

These are the updated guidelines. Consider the following point for translating content:

- The folder and file names must comply with the file naming standards such as—there should be no spaces, apostrophe (), braces {}, equals sign =, special or non-ASCII characters.
- If you translate content in different languages, you must create folders corresponding to each language or locale. Each of these language-folders (locales) will contain the content corresponding to that language. For example, you can create folders using the language designator such as `de` for German, `fr` for French, and so on. Or, you can create folders using the language and region designators like `fr-FR` for French as used in France or `fr-CA` for French as used in Canada.
- A folder should not have more than 1000 files in it.

In the Web Editor mode, there are three main tabs at the top - Properties, Review, and Changes. The Review panel shows all comments made in your document by reviewers. The Changes panel shows the status of all inserted and deleted comments in your document.

- A:** Open the side-by-side view to display the commented version of the topic. As seen in the above screenshot, the leftmost section is the latest version of the topic wherein you can make changes. The next section is the commented version of the topic. As you navigate between comments in the topic, the side view changes and displays that version of the topic on which the comment was made. You can see the version number at the top of the side view. Clicking on this icon again hides the commented version of the topic.
- B:** Display a preview of the topic with all comments incorporated. This means that all insertions and deletions are accepted in the topic and all comments and highlights are hidden.
- C:** Import the inserted and deleted (or Strikethrough) comments in the topic directly. After clicking the Import icon, all text insertions and deletions are shown in the working copy of the topic. Now, there are two ways of accepting or rejecting comments.

*If you want to incorporate the suggested change (insertion or deletion) one at a time, simply right-click on the comment in the content and select Accept Change or Reject Change. Depending on your selection, the comment is accepted or rejected. In case of accepted comment, the content is added in the content;*

and in case of rejection, it is removed from the content. Also, the status of the comment is changed in the Review tab.

**Manage DITA content**

Technical documentation in large organizations is often a collaborative effort of authors, SMEs, and reviewers. However, in most authoring environments, this collaboration is not seamless because of the different authoring tools available to the different types of users. For example, authors could use something like FrameMaker, SMEs and reviewers could use a PDF or a Word document for reviewing content. Authors could be using a powerful DITA editing application, such as FrameMaker, and the SMEs and reviewers could be using a simple word processor. With the XML Add-on, you can create a seamless collaborative environment in which SMEs can easily create DITA content using a browser-based DITA topic and map editor. The web editor supports DITA 1.3, 1.2 standards, lightweight DITA, and also specialized DITA.

Before you start with the actual content creation, you must familiarize yourself with some basic concepts of content management in XML Add-on and AEM.

**Basic AEM concepts**

You can also use the Changes tab to accept or reject comments. Clicking on any comment highlights the comment in the document.

**Manage DITA content**

Technical documentation in large organizations is often a collaborative effort of authors, SMEs, and reviewers. However, in most authoring environments, this collaboration is not seamless because of the different authoring tools available to the different types of users. For example, authors could use something like FrameMaker, SMEs and reviewers could use a PDF or a Word document for reviewing content. Authors could be using a powerful DITA editing application, such as FrameMaker, and the SMEs and reviewers could be using a simple word processor. With the XML Add-on, you can create a seamless collaborative environment in which SMEs can easily create DITA content using a browser-based DITA topic and map editor. The web editor supports DITA 1.3, 1.2 standards, lightweight DITA, and also specialized DITA.

Before you start with the actual content creation, you must familiarize yourself with some basic concepts of content management in XML Add-on and AEM.

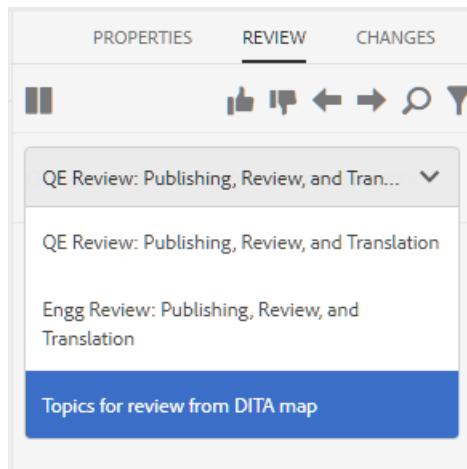
**Basic AEM concepts**

**IMPORTANT:** The import comments feature works only on those documents that have not changed since they were shared for review. If you have made any change after sending the document for review, you will get an alert to **Force Import** comments into your document. However, doing so will result in loss of all updates that you have made in your document. The **Force Import** alert is also shown if the document is created outside (say in FrameMaker), and then shared for review. You can go ahead and import the comments.

As and when you accept or reject a comment, it is removed from the Changes list. This also serves as an indicator of how many comments need to be addressed in the document.

If you want to accept or reject all comments, you can do so by going to the Changes tab and selecting the desired option from the More menu.

- **D:** Accept or reject a comment.
- **E:** Move between previous and next comment.
- **F:** Search for a text within comments.
- **G:** Apply a filter on the comments. You can filter to see comments on the basis of Review Type (all, highlighted, deleted, inserted, or sticky note), Review Status (all, accepted, rejected, or none), Reviewers (all or specific reviewer(s)), or Versions of topic.
- **H:** Select a review task to see comments. If your topic has been shared for review in multiple review tasks, you will see those tasks listed in this drop-down. The following screenshot shows the tasks in which a topic has been shared for review:



When you select a review task from the list, you get to see the comments made by reviewers in that task. You can address the review comments independently in tasks, which mean that any update on a comment is visible to reviewers of that respective task only.

## Manage review tasks using the Review Dashboard

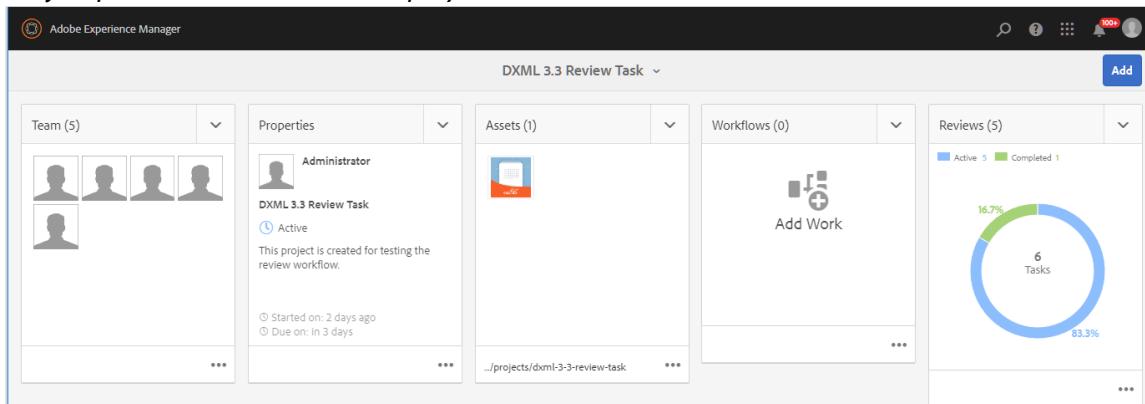
Review management workflow can include a variety of tasks. For example, you may want to add reviewers for a particular topic or extend the deadline for a review. You might also want to mark the review task as complete if you think that all the stakeholders have given their feedback. These tasks can be managed using the Review Dashboard.

Perform the following steps to access and use the Review Dashboard:

**NOTE:** You can manage review tasks for only those projects for which you are the Author (or initiator). Even if you are a Reviewer or Publisher (user), you will not have access on any of the project tasks.

- 1) In the **Projects** console, click the review project you want to manage.

A *Project panel with task tiles is displayed.*



- 2) Click the three dots in the **Reviews** tile.

*The Review Dashboard is displayed. The dashboard lists all review tasks that you have created.*

Review Dashboard						
REVIEW TASK	INITIATED BY	STARTED ON	DU DATE	STATUS	NEW COMMENTS	REVIEWERS
<input type="checkbox"/> QE Review: Publishing, Review, and Translation	admin	28 Mar, 2019	3 Apr, 2019	<span>⌚</span> In Progress	0	Reviewer One, Reviewer Two, Publisher One,
<input checked="" type="checkbox"/> Engg Review: Publishing, Review, and Translation	admin	28 Mar, 2019	3 Apr, 2019	<span>⌚</span> In Progress	23	Reviewer One, Reviewer Two, Publisher One,
<input type="checkbox"/> Search and Baseline for review	admin	26 Mar, 2019	29 Mar, 2019	<span>✓</span> Complete	0	Reviewer One, Reviewer Two, Publisher One,

*The Review Dashboard displays the details about the review task such as the task name, who started the review, date when the review was started, due date, status, number of new comments that have not been accepted or rejected by the author, and name of reviewers. The tasks are listed in the order of newly created tasks to older tasks.*

**NOTE:** If you click on the Review Task link, the topic or map file sent for review is opened.

- 3) Select a review task.

You are shown *Edit Properties* and *Status* options in the toolbar.

- 4) If you click **Edit Properties**, the Task Details page is displayed.

*There are three tabs on the Task Details page—Task, Content, and Reviewers. The following sections explain the various functions available under each tab.*

## Task tab

You can perform the following actions under the **Task** tab:

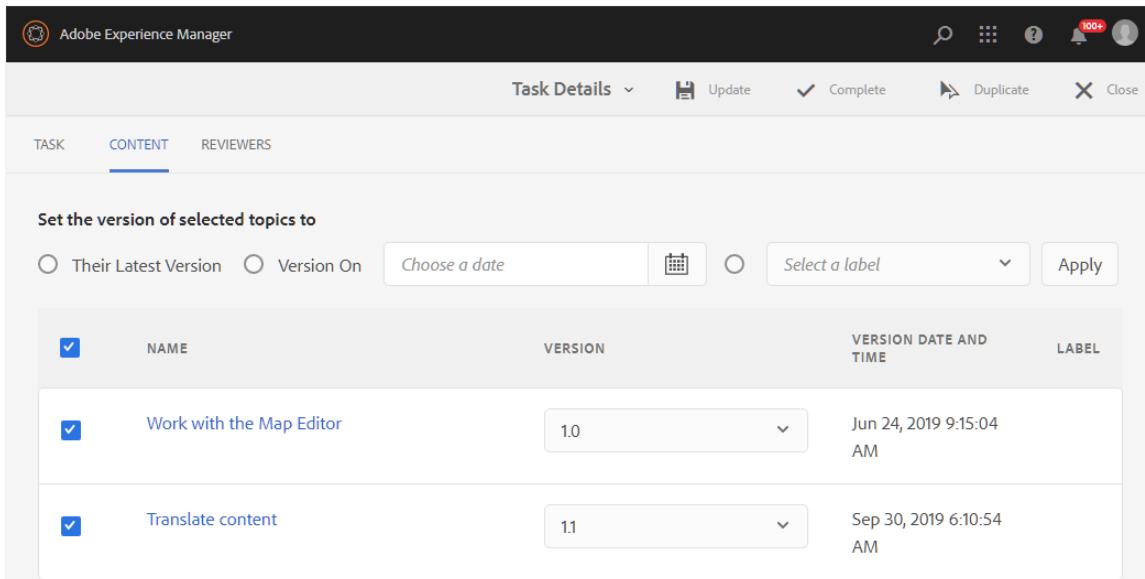
- Modify the title of the task in the **Title** field.
- Add default assignees in the **Assign To** drop-down list. The reviewers you add from here are given access to review all topics that are a part of this review task. You can choose to remove or selective add more reviewers to specific topics from the [Reviewers tab](#).
- Update the description of the task in the **Description** field.
- Modify the **Due Date**. You can prepone or postpone the deadline for the completion of the task.
- Select the option to restrict users to review only those topics that are assigned to them.
- Click **Update** to update the modified details.
- Click **Complete** to mark the review task as complete before the due date. When an individual topic's task is marked as Complete, the review of the selected topic is closed. However, in case of topics shared for review through a DITA map, marking the DITA map task as Complete will close the review of all topics within the map that were shared for review.
- Click **Duplicate** to create a copy of the review task. The process of creating a duplicate review task is similar to creating a new review task. Once you launch the duplicate task workflow, you are shown the Create Review Task page. You need to provide the new task details as explained in [Send topics for review](#).

If you have selected a review task created out of a DITA map, then you are shown the topics that are a part of the map. You can then choose the topics that you want to include in the new review task.

In case of review task duplicated from one or multiple topics review, then only those topics are shown in the review task list. You can choose to share these topics for review with a different set of reviewers.

- Click **Close** to go to the Inbox page.

## Content tab



The screenshot shows the Adobe Experience Manager Task Details interface. The top navigation bar includes the Adobe Experience Manager logo, search, filter, help, and user icons. Below the bar, the 'Task Details' dropdown is open, showing 'Update', 'Complete' (with a checkmark), 'Duplicate', and 'Close'. The main content area has tabs for 'TASK', 'CONTENT' (which is selected and highlighted in blue), and 'REVIEWERS'. A sub-section titled 'Set the version of selected topics to' offers options: 'Their Latest Version' (radio button), 'Version On' (radio button), 'Choose a date' (button), 'Select a label' (button), and 'Apply' (button). Below this is a table listing two topics:

NAME	VERSION	VERSION DATE AND TIME	LABEL
Work with the Map Editor	1.0	Jun 24, 2019 9:15:04 AM	
Translate content	1.1	Sep 30, 2019 6:10:54 AM	

You can perform the following actions under the **Content** tab:

- Change the version of the topic sent for review. You can choose the latest version of the topic, version as on date, version with specific label, or version with a specific baseline (for a DITA map).
- Click **Update** to share the updated version of the topic with the reviewers. The reviewers get an email notification stating that the newer version of topic has been sent for review. The next time a reviewer opens the topic, they see the updated version of the topic.

*NOTE: In case of an updated version of a topic, the old comments are retained in the newer version as well. Reviewers can also see the differences between the two versions.*

- Click **Complete** to mark the review task as complete before the due date. When an individual topic's task is marked as Complete, the review of the selected topic is closed. However, in case of topics shared for review through a DITA map, marking the DITA map task as Complete will close the review of all topics within the map that were shared for review.
- Click **Duplicate** to create a new review task using the current task as the base.

## Reviewers tab

You can perform the following actions under the **Reviewers** tab:

- **Select All:** Selects all topics in the topic list. You can easily perform a batch operation after selecting all topics.
- **Clear Selection:** Deselects the topics selected in the topics list.  
*NOTE: You can also individually select or deselect a topic by clicking on the checkbox next to the topic.*
- **Add:** Displays the Add Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to add as a reviewer to the selected topics.
- **Remove:** Displays the Remove Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to remove as reviewer from the selected topics.
- **Re-Assign:** Displays the Re-Assign Reviewers dialog. You can type the name of a reviewer or user role (or group) that you want to assign the review task to. This removes all existing reviewers from the selected topics and assign the newly selected reviewers to those topics.
- **Export:** Allows you to export the review task details in a CSV file. The file contains details such as the path and title of the topic, name of reviewer, and version of topics sent for review.
- **Edit Reviewers:** Clicking the icon in the topic list displays the Edit Reviewers dialog. You can add or remove reviewers for the selected topic from this dialog.

## Check the status of a review task

From the main Review Dashboard page, if you click **Status**, the status report of the review task is shown:

Engg Review: Publishing, Review, and Translation					<a href="#">Close</a>
REVIEWER	STATUS	TOPICS REVIEWED	COMMENTS LEFT	LAST ACCESSED	
Publisher One	<span style="color: red;">⚠️</span> Not Started		0	Never	
Reviewer One	<span style="color: blue;">⌚</span> In Progress	About XML Documentation for Adobe Experience Manager, Best practices for content translation (v1.2) (4), Bulk tagging of DITA content (v1.1) (3),	7	28 Mar, 2019	
Reviewer Two	<span style="color: blue;">⌚</span> In Progress	About XML Documentation for Adobe Experience Manager (4), Best practices for content translation (v1.2) (8), Bulk tagging of DITA content (v1.1) (4),	16	28 Mar, 2019	

The status report for the review task contains the following details:

- Name(s) of the reviewer to whom the review task is assigned.
- The Status column indicates the review status. The Status could be one of the following:
  - **Not Started:** The reviewer has not yet opened the review link.
  - **In Progress:** The reviewer has opened the review link and is in the process of reviewing the topic.
  - **Complete:** The reviewer has completed the review by completing the review task assigned to them. The review task is in the AEM notification Inbox for each reviewer.
- When a reviewer opens a review link and navigates to a particular topic that topic is added to the Topics Reviewed list. This helps authors to determine if the reviewers had opened their respective sections or not. If any comments are given, those are shown in brackets.
- Total number of comments made on all topics. In case of multiple topics under review, the number of comments for each topic is mentioned (in brackets) against the topic name.
- The date when the any topic was last accessed by the reviewer.

---

# Translate content

XML Documentation solution comes with powerful capabilities that enable you to translate your content into multiple languages. Both, human and machine translation workflows are supported by the XML Documentation solution.

- **Human translation** - Assets are sent to your translation provider and translated by professional translators. When complete, the translated assets are returned and they are then imported back into AEM.
- **Machine translation** - This is the default service in AEM wherein the content is immediately translates using the machine translation in real time. Out-of-the-box AEM provides the capability to connect to Microsoft Translator.

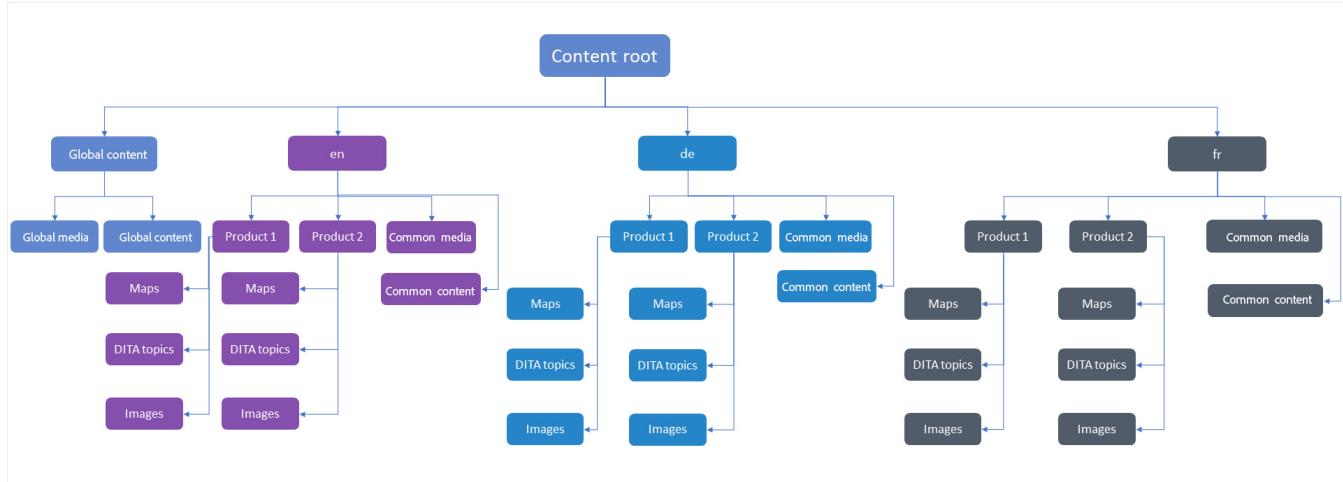
*NOTE: Microsoft Translator is available only as a trial license.*

## Best practices for content translation

Consider the following point for translating content:

- The folder and file names must comply with the file naming standards such as—there should be no spaces, apostrophe, braces, equals sign, special or non-ASCII characters.
- If you translate content in different languages, you must create folders corresponding to each language. Each of these language folders will contain the content corresponding to that language. For example, you can create folders using the language designator like `de` for German, `fr` for French, and so on. Or, you can create folders using the language and region designators like `fr-FR` for French as used in France or `fr-CA` for French as used in Canada.
- A folder should not have more than 1000 files in it.
- Ensure that the user tasked with initiating the translation process has Read, Modify, Create, and Delete permissions on the source and target language folders.
- As translating content requires creation of a translation project, the user must have access to create project in AEM.
- If you want to use Conditional Presets with your map, you must create them before initiating the translation process. As Conditional Presets are also bundled in the translated version of the map, creating the presets before initiating the translation process ensure that they are available in the translated version.
- Content translation process must be started from DITA map console and not the AEM Assets UI.
- The Component-Based DITA Translation Workflow (option in ConfigMgr) must not be used if you are translating content via human translation. However, this option must be used for machine translation.
- The globally used content and media that don't require localization, should be kept out of the language copies.
- All the common content that has to be localized, should be kept in a common folder under the language folder.

The following diagram shows an example of a folder structure in AEM when you have globally used content and three language copies.



## Configure translation service

Perform the following steps to configure the human or machine translation service to use:

- 1) In the Assets UI, select the source language folder.
- 2) Open the folder properties, and go to **Cloud Services** tab.
- 3) In the **Cloud Services** tab, configure the translation service that you want to use.

*You can configure machine-based or human translation.*

**NOTE:** See [Configuring the Translation Integration Framework](#) in AEM documentation for details on integrating with third-party translation services.

- 4) Click **Save & Close** to save the updated folder properties.

**TIP:** See [Translation](#) for the best practices around translating content.

## Create a new translation project

Perform the following steps to create a translation project:

**NOTE:** Before performing steps in this procedure, ensure that you have created the required language root and target folders as described in the [Best practices for content translation](#).

- 1) In the Assets UI, click on the DITA map file.
- 2) Click the **Translation** tab.

- 3) From the **Target Languages** list, select the locale to which you want to translate your project and click **Done**.

*A Summary and Details of topics and associated assets is shown.*

- 4) Select the topics that you want to send for translation.

*You can also use the following topic filtering options:*

**NOTE:** After applying the required filter, click **Done** in the Filter panel to filter topics based on your selection.

- **Translation Status:** Choose to filter topics based on their translation status. The available options are: Out of Sync, Missing Copy, In Progress, and In Sync.
- **Search:** Enter one or multiple terms to search in the topic titles.
- **Source Type:** Choose to filter topics based on their file types. The available options are: All, DITA, DITA Map, Resource.
- **Source Version Modified After:** Choose to filter topic based on their modification date and time. All topics modified after the specified date and time are shown in the list.
- **Baseline:** Click Use Baseline and choose a baseline created on the map. All files that are a part of the selected Baseline are shown in the Translation page. You can choose the desired files from the baseline and proceed with the translation process. Once your content is translated, you can export the translated Baseline. For more details about exporting the translated Baseline, see [Export translated Baseline](#).

- 5) Click **Create/Update Language Copies** at the bottom of the Filter panel.

- 6) From the **Project** list, select **Create a New Translation Project**.

**NOTE:** If you already have a translation project, you can add topics to that project. Select **Add to Existing Translation Project** option from the **Project** list and choose a project from the **Existing Translation Project** list.

- 7) In the **Project Title** field, enter a title for the project.

- 8) Select the **Include DITA Map** option to send the map for translation.

- 9) Click **Start** to create a new translation project.

*A new translation project is created with the selected version of the topics.*

**NOTE:** This workflow does not trigger the translation job. You can start the translation job for the target language copy by following the next procedure.

## Start the translation job

Perform the following steps to start the translation job:

- 1) In the **Projects** console, navigate to the project folder you created for localization.
- 2) Click the localization project to open the details page.

- 3) Click the arrow on the **Translation Job** tile, and select **Start** from the list to start the translation workflow.

**NOTE:** If you are using Human translation service, then you need to export the content for translation. Once you have the translated content, then you need to import it back into the translation project.

- 4) To view the status of the translation job, click the ellipsis at the bottom of the **Translation Job** tile.

After the translation completes, the status of the translation job changes to *Ready to Review*. To complete the translation process, you need to accept the translated copy and asset metadata from the Translation Job tile in the Project console.

## View translation status

You can view the translation status and the translated language copies for each topic in a folder or in a DITA map.

- 1) Navigate to the DITA map file of the source language copy.
- 2) Click the **Translation** tab.
- 3) In the **Filter** panel on the left, select the **Translate Languages** that you want to check the status for and click **Done**.

**NOTE:** You can further filter the content on the basis of their Translation Status (as Out of Sync Missing Copy, In Progress, or In sync), Source Type (as All, DITA, DITA map, or Resource), modification date. You can also enter keywords to search for specific topics.

REFERENCES	LANGUAGE CODE
104	ENGLISH (EN)

TOPIC	TYPE	LANGUAGE CODE	SOURCE LANGUAGE	SOURCE VERSION	LABELS	TRANSLATION STATUS
<a href="#">Create a DITA project</a>	DITA	English (en)	Source	1.0		Out of Date
<a href="#">Use Map Collection for output generation</a>	DITA	English (en)	Source	1.0		In Progress
<a href="#">Manage content using DITA project</a>	DITA	English (en)	Source	1.0		In Progress

The Translation tab has following sections:

- **Summary:** Shows the number of referenced topics and source language along with its code.
- **Details:** Shows the topic title, type of topic, language code of the topic, source language, version of the source topic, label added to the topic, and translation status.

## Translate modified topics

If you make changes in some of the topics, then those topics require re-translation. You can keep track of modified topics from DITA map. From the source language copy folder, click the DITA map file and click the Translation tab. You can see the status of each topic whether it requires re-translation or not.

Perform the following steps to send a modified topic for re-translation:

- 1) Click the DITA map file from the source language copy folder.
- 2) Click the **Translation** tab.
- 3) In the **Filter** panel on the left, select the **Translate Languages** that you want to check the status for and click **Done**.

*You can see the translation status for each topic. The topics that have another revision of topic available than what was sent for translation, show a **Out of Date** status.*

**NOTE:** *The translation workflow compares the last saved revision of the topic file in the source language folder with the translated version.*

*If you click the arrow to see further details. you can see the particular language copy that is out of date.*

TOPIC	TYPE	LANGUAGE CODE	SOURCE LANGUAGE	SOURCE VERSION	LABELS	TRANSLATION STATUS
<a href="#">Create a DITA project</a>	DITA	English (en)	Source	1.1		Out of Date

LANGUAGE COPIES	TYPE	LANGUAGE CODE	SOURCE LANGUAGE	SOURCE VERSION	LABELS	TRANSLATION STATUS
<a href="#">authoring-create-dita-project</a>	DITA	French (fr)	-	-		Missing Copy

- 4) Click the check box to select the topics that you want to send for re-translation.

*When you select an out of sync date, the **Create/Update Language Copies** option appears in the References panel and the **Dismiss Out of Sync Status** button above the Filter icon.*

You can use the **Dismiss Out of Sync** button to override the *Out of Date* status for the topics in the DITA map. For example, if you made some changes in the English version of the topic that does not need translation, you can use this button and change the *Out of Date* status for the selected topic.

**NOTE:** If you click the **Dismiss Out of Sync Status** button, it sets the topic status to *Up to Date* for the selected *Out of Date* topics.

- 5) Click **Update Language Copies** and configure the translation job.
- 6) You can choose to create a new translation project or add topics to an existing translation project. Provide the required details to configure the translation project.
- 7) Click **Start**.  
*A confirmation message is displayed showing that the topic has been sent for translation.*
- 8) Navigate to the translation project in the Project console. A new translation job card is created in the folder. Click the ellipsis to see the assets of the folder.

Translation Job	
Status	Draft
Pages	0
Assets	2
...	

- 9) To start the translation, click the arrow on the translation job card and select **Start** from the list. A message notifies that the job has started.

*You can also view the status of the topic being translated when you click the ellipsis at the bottom of the translation job card.*

**NOTE:** If you are using Human translation service, then you need to export the content for translation. Once you have the translated content, then you need to import it back into the translation project.

- 10) After the translation completes, the status changes to **Ready to Review**. Click the ellipsis to see topic details and do one of the following from the toolbar:
  - Click **Reveal in Assets** to see and verify the translation.
  - Click **Accept Translation** if you think that the changes have been translated correctly. A confirmation message is displayed.
  - Click **Reject Translation** if you think that the job needs to be re-done. A rejection message is displayed.

**NOTE:** It is important to Accept or Reject the translated asset, else the file stays in the temporary location and does not get copied to DAM.

- 11) Navigate back to the DITA map file in the source language folder in Assets UI. The re-translated topics are now in sync.

---

# Output generation

The XML Documentation solution has built-in publishing capabilities to generate outputs in a variety of industry standard formats. The current version of XML Documentation solution allows you to generate output in the most widely used formats—AEM Site, PDF, HTML5, EPUB, and custom output through DITA-OT.

As a publisher, you just click a few links and the output gets generated. You can generate output for an entire DITA map or you can selectively publish only a few topics that you have updated. You can also use the Baseline publishing feature to selectively publish a specific version of your DITA map or topic. Also, you can generate output for FrameMaker documents, see [Generate output from FrameMaker documents](#) for more information. Once the output gets generated on your authoring instance of AEM, same can be easily pushed on to your production server using the AEM publishing workflows.

As a production specialist, XML Documentation solution also makes it easy for you to automate your publishing process by creating your Publish Dashboard and running post-publishing workflows. You can create and associate your custom design templates to generate outputs in a specific layout. Also, the XML Documentation solution allows you to use custom DITA-OT plug-ins to reuse your existing PDF generation process.

Information in the following sections is for publishers who will use the output generation workflows and perform some basic troubleshooting:

- [Understanding the output presets](#)
- [Use condition presets](#)
- [Work with Baseline](#)
- [Generate output for a DITA map](#)
- [Use Map Collection for output generation](#)
- [Basic troubleshooting](#)

**IMPORTANT:** Features described in this topic are available to users with Publishers or administrator privileges only.

## Generate output

This section walks you through the output generation process through XML Documentation solution. Before generating the output, you need to familiarize yourself with the various options available to generate the output.

## Understanding the output presets

The XML Documentation solution supports creating output in the most popular formats like AEM Site, PDF, HTML5, EPUB and custom output through DITA-OT. Using these output formats, you can configure various output presets. An output preset represents a customized output format in which you would like the content to be published.

The following sections explain the options available for the supported output formats.

### AEM Site

The following options are available for the AEM Site output:

**NOTE:** To open output presets for AEM Site, click on a DITA map file, then click on Output Presets, and then click on the AEM Site output option.

**TIP:** See [AEM Site publishing](#) for best practices around creating AEM Site output.

AEM Site options	Description
Output Type	The type of output you want to generate. To generate responsive AEM Site output, choose the AEM Site option.
Setting Name	Give a descriptive name for the AEM site settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
Site Name	A site name where the output is stored in your AEM repository. A node in the AEM repository is created with the name specified here. If you do not specify the Site Name, then the site node is created with the DITA map file name. The Site Name you specify here is also used as the title in the browser tab. You can also use variables while setting the Site Name. For more details about using variables, see <a href="#">Use variables for setting the Destination Path, Site Name, or File Name options</a> .
Design	Select the design template that you want to use to generate the output. For details about how to use custom design templates to generate output, contact your publishing administrator.
Destination Path	The path within your AEM repository where the output is stored. While generating the final output, the Site Name and Destination Path are combined. For example, if you specify the Site Name as <code>user-guide</code> and the Destination Path as <code>/content/output/framemaker</code> , then the final output is generated under the <code>/content/output/framemaker/user-guide</code> node. You can also use variables while setting the Destination Path. For more details about using variables, see <a href="#">Use variables for setting the Destination Path, Site Name, or File Name options</a> .

AEM Site options	Description
Apply Conditions Using	<p>Select one of the following options:</p> <ul style="list-style-type: none"> <li>• <b>None Applied:</b> Select this option if you do not want to apply any condition on the published output.</li> <li>• <b>DITAVal file:</b> Select a DITAVAL file to generate conditionalized content.</li> <li>• <b>Condition preset:</b> Select a condition preset from the drop-down to apply a condition while publishing the output. This option is visible if you have added a condition for the DITA map file. The conditional settings are available in the Condition Presets tab of the DITA map console. To know more about condition preset, see <a href="#">Use condition presets</a>.</li> </ul>
Existing Output Pages	<p>Select the <b>Overwrite Content</b> option to overwrite content in the existing pages. This option only overwrites content present under the content and head nodes of the page. This option enables blended publishing of content. Selecting this option provides an option to select deleting orphan pages from the published output. This is also the <i>default</i> option for creating the AEM Site output.</p> <p>Select the <b>Delete and Create</b> option to force delete any existing pages during publishing. This option deletes the page node along with its content and all child pages under it. Use this option if you have changed the design template of your output preset or if you want any extra pages already present in the destination to be removed.</p>
Delete Orphan Site Pages	<p>Selecting the <b>Overwrite Content</b> in the <b>Existing Output Pages</b> setting presents this option. If you select this option, then all orphan pages are deleted from the published AEM Site. For this feature to run successfully, you must publish the entire DITA map and not use the incremental publishing.</p> <p>Let's say you have published a DITA map which contains topics <i>a.dita</i>, <i>b.dita</i>, and <i>c.dita</i>. Before publishing the map again, you removed <i>b.dita</i> topic from the map. Now, if you have selected this option, then all content related to <i>b.dita</i> is removed from the AEM Site output and only <i>a.dita</i> and <i>c.dita</i> are published. This feature does not remove any published child map. For example, if your parent map contains a child map, and you remove the entire child map, then the child map content is not deleted from the published output. However, if you remove any topic from a child map and republish, then the removed topic's content is deleted from the site output.</p> <p>Also, if there is any referenced content, and that content is removed before republishing, then the referenced content's data is not removed.</p> <p><b>NOTE:</b> Information about deleted orphan pages is also captured in the output generation logs. For more information about accessing the log files, see <a href="#">View and check the log file</a>.</p>
Clean DITA-OT Temporary Files	<p>Select this option to clean the temporary files generated by DITA-OT. The location where DITA-OT stores temporary files can be found in the output generation log.</p> <p>If you are experiencing errors while generating output through DITA-OT, you can deselect this option to retain the temporary files. You can then use those files to troubleshoot output generation errors.</p>

AEM Site options	Description
Generate Separate PDF for Each Topic	If selected, a PDF is also created for every topic in the DITA map. When you choose this option, a new Split PDF Path option is displayed. In the Split PDF Path field, specify the path to store the PDFs generated for each topic.  <i>NOTE: XML Documentation solution uses the DITA-OT plug-in named pdfx to generate PDF for each topic. This plug-in is bundled with the DITA-OT package shipped out-of-the-box. You can customize this plug-in to generate PDF as per your requirements. If you use a custom DITA-OT plug-in, ensure that you integrate the pdfx plug-in to have topic-level PDF generation capability.</i>
Run Post Generation Workflow	When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.
Use Baseline	If you have create a Baseline for the selected DITA map, select this option to specify the version that you want to publish. See <a href="#">Work with Baseline</a> for more detail.
Properties	Select the properties that you want to process as metadata. These properties are set from the Properties page of the DITA map or bookmark file. The properties that you select from the drop-down list are listed below the <b>Properties</b> field and are removed from the drop-down list.

## Additional note on AEM Site

### Blended publishing

XML Documentation solution supports publishing DITA content within your existing AEM site. For example, if you have an existing site that contains existing content, you can use the AEM Site output to publish only the DITA content on that site. In this process, the existing non-DITA content is not modified by the publishing process. For more information about setting up your site to publish only DITA content, contact your publishing administrator.

## PDF

The following options are available for the PDF Output:

*NOTE: To open output presets for PDF, click on a DITA map file, then click on Output Presets, and then click on the PDF Output option.*

PDF options	Description
Output Type	The type of output you want to generate. To generate PDF output, choose the PDF option.
Setting Name	Give a descriptive name for the PDF output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
Generate PDF Using	<p>Select a method that you want to use to create the PDF. Choose from:</p> <ul style="list-style-type: none"> <li>• DITA-OT <i>When you choose this option, you are shown DITA-OT specific options: DITA-OT Command Line Arguments, Transformation Name, and Clean DITA-OT Temporary Files. See the description of these parameters later in this table.</i></li> <li>• FrameMaker Publishing Server <i>When you choose this option, a new FMPS Preset drop-down list is displayed. In the FMPS Preset drop-down list, select a preset that you have created on the FMPS server to generate the PDF output.</i></li> </ul>
Apply conditions using	<p>Select one of the following options:</p> <ul style="list-style-type: none"> <li>• <b>None applied:</b> Select this option if you do not want to apply any condition on the published output.</li> <li>• <b>DITAVAL file:</b> Select a DITAVAL file to generate personalized content.</li> <li>• <b>Condition preset:</b> Select a condition preset from the drop-down to apply a condition while publishing the output. The option is visible if you have added a condition present in the Condition Presets tab of the DITA map console. To know more about condition preset, see <a href="#">Use condition presets</a>.</li> </ul> <p><b>NOTE:</b> The DITAVAL file option is not supported for output generated through FMPS.</p>
File Name	<p>Specify the file name with which you want to save the PDF. You can also use variables while setting the PDF File Name. For more details about using variables, see <a href="#">Use variables for setting the Destination Path, Site Name, or File Name options</a>.</p>
Destination Path	<p>The path within your AEM repository where the PDF is stored. You can also use variables while setting the Destination Path. For more details about using variables, see <a href="#">Use variables for setting the Destination Path, Site Name, or File Name options</a>.</p>
Transformation Name	<p>Specify the type of output you want to generate. This is required if you want to generate output using your own custom plug-in, which is integrated in the DITA-OT plug-in. For example, if you want to generate XHTML output, specify <code>xhtml</code>. For a list of transformations available in DITA-OT, see <a href="#">DITA-OT transformations (output formats)</a> in OASIS DITA-OT User Guide.</p>

PDF options	Description
DITA-OT Command Line Arguments	Specify the additional arguments that you want DITA-OT to process while generating output. For details about the command-line arguments supported in DITA-OT, see <a href="#">DITA-OT documentation</a> .
Clean DITA-OT Temporary Files	Select this option to clean the temporary files generated by DITA-OT. The location where DITA-OT stores temporary files can be found in the output generation log. If you are experiencing errors while generating output through DITA-OT, you can deselect this option to retain the temporary files. You can then use those files to troubleshoot output generation errors.
Run Post Generation Workflow	<p>When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.</p> <p><b>NOTE:</b> For more information about creating a custom post-output generation workflow, see <a href="#">Customize post-output generation workflow in XML Documentation for Adobe Experience Manager Installation and Configuration Guide</a>.</p>
Use Baseline	<p>If you have created a Baseline for the selected DITA map, select this option to specify the version that you want to publish.</p> <p>See <a href="#">Work with Baseline</a> for more detail.</p>
Properties	Select the properties that you want to process as metadata. These properties are set from the Properties page of the DITA map or bookmark file. The properties that you select from the drop-down list are listed below the <b>Properties</b> field and are removed from the drop-down list.

## HTML5

The following options are available for the HTML5 output:

**NOTE:** To open output presets for HTML5, click on a DITA map file, then click on Output Presets, and then click on the HTML5 option.

HTML5 options	Description
Output Type	The type of output you want to generate. To generate HTML5 output, choose the HTML5 option.
Setting Name	Give a descriptive name for the HTML5 output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .

HTML5 options	Description
Generate Responsive Using	<p>Select a method that you want to use to create the HTML5 output. Choose from:</p> <ul style="list-style-type: none"> <li>• DITA-OT <i>When you choose this option, two new options are displayed - Transformation Name and Clean DITA-OT Temporary Files. See the description of these parameters later in this table.</i></li> <li>• FrameMaker Publishing Server <i>When you choose this option, a new FMPS Preset drop-down list is displayed. In the FMPS Preset drop-down list, select a preset that you have created on the FMPS server to generate the HTML5 output.</i></li> </ul>
Apply conditions using	<p>Select one of the following options:</p> <ul style="list-style-type: none"> <li>• None applied: Select this option if you do not want to apply any condition on the published output.</li> <li>• DITAVAL file: Select a DITAVAL file to generate personalized content.</li> <li>• Condition preset: Select a condition preset from the drop-down to apply a condition while publishing the output. The option is visible if you have added a condition present in the Condition Presets tab of the DITA map console. To know more about condition preset, see <a href="#">Use condition presets</a>.</li> </ul> <p><b>NOTE:</b> The DITAVAL file option is not supported for output generated through FMPS.</p>
Destination Path	The path within your AEM repository where the HTML5 output is stored.
Transformation Name	Specify the type of output you want to generate. This is required if you want to generate output using your own custom plug-in, which is integrated in the DITA-OT plug-in. For example, if you want to generate XHTML output, specify <code>xhtml</code> . For a list of transformations available in DITA-OT, see <a href="#">DITA-OT transformations (output formats)</a> in OASIS DITA-OT User Guide.
Clean DITA-OT Temporary Files	Select this option to clean the temporary files generated by DITA-OT. The location where DITA-OT stores temporary files can be found in the output generation log. If you are experiencing errors while generating output through DITA-OT, you can deselect this option to retain the temporary files. You can then use those files to troubleshoot output generation errors.
Run Post Generation Workflow	<p>When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.</p> <p><b>NOTE:</b> For more information about creating a custom post-output generation workflow, see <a href="#">Customize post-output generation workflow in XML Documentation for Adobe Experience Manager Installation and Configuration Guide</a>.</p>

HTML5 options	Description
Use Baseline	If you have created a Baseline for the selected DITA map, select this option to specify the version that you want to publish. See <a href="#">Work with Baseline</a> for more detail.
Properties	Select the properties that you want to process as metadata. These properties are set from the Properties page of the DITA map or bookmap file. The properties that you select from the drop-down list are listed below the <b>Properties</b> field and are removed from the drop-down list.

## EPUB

The following options are available for the EPUB Output:

**NOTE:** To open output presets for EPUB, click on a DITA map file, then click on Output Presets, and then click on the EPUB option.

EPUB options	Description
Output Type	The type of output you want to generate. To generate EPUB output, choose the EPUB option.
Setting Name	Give a descriptive name for the EPUB output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
Generate EPUB Using	Select a method that you want to use to create the EPUB output. Choose from: <ul style="list-style-type: none"> <li>• DITA-OT <ul style="list-style-type: none"> <li><i>When you choose this option, two new options are displayed - Transformation Name and Clean DITA-OT Temporary Files. See the description of these parameters later in this table.</i></li> </ul> </li> <li>• FrameMaker Publishing Server <ul style="list-style-type: none"> <li><i>When you choose this option, the default FMPS Preset is used to generate the EPUB output.</i></li> </ul> </li> </ul>

EPUB options	Description
Apply conditions using	<p>Select one of the following options:</p> <ul style="list-style-type: none"> <li>• None applied: Select this option if you do not want to apply any condition on the published output.</li> <li>• DITAVal file: Select a DITAVAL file to generate personalized content.</li> <li>• Condition preset: Select a condition preset from the drop-down to apply a condition while publishing the output. The option is visible if you have added a condition present in the Condition Presets tab of the DITA map console. To know more about condition preset, see <a href="#">Use condition presets</a>.</li> </ul> <p><b>NOTE:</b> The DITAVAL file option is not supported for output generated through FMPS.</p>
Destination Path	The path within your AEM repository where the EPUB output is stored.
Transformation Name	Specify the type of output you want to generate. This is required if you want to generate output using your own custom plug-in, which is integrated in the DITA-OT plug-in. For example, if you want to generate XHTML output, specify <code>xhtml</code> . For a list of transformations available in DITA-OT, see <a href="#">DITA-OT transformations (output formats)</a> in OASIS DITA-OT User Guide.
Clean DITA-OT Temporary Files	Select this option to clean the temporary files generated by DITA-OT. The location where DITA-OT stores temporary files can be found in the output generation log. If you are experiencing errors while generating output through DITA-OT, you can deselect this option to retain the temporary files. You can then use those files to troubleshoot output generation errors.
Run Post Generation Workflow	<p>When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.</p> <p><b>NOTE:</b> For more information about creating a custom post-output generation workflow, see <a href="#">Customize post-output generation workflow in XML Documentation for Adobe Experience Manager Installation and Configuration Guide</a>.</p>
Use Baseline	<p>If you have created a Baseline for the selected DITA map, select this option to specify the version that you want to publish.</p> <p>See <a href="#">Work with Baseline</a> for more detail.</p>
Properties	Select the properties that you want to process as metadata. These properties are set from the Properties page of the DITA map or bookmap file. The properties that you select from the drop-down list are listed below the <b>Properties</b> field and are removed from the drop-down list.

## Custom

The Custom output presets are available for custom DITA-OT plug-ins. You can create a custom DITA-OT output preset to publish output using your custom DITA-OT plug-in.

The following options are available for the Custom output preset:

Custom output options	Description
Output Type	The type of output you want to generate. To generate output using custom DITA-OT plug-in, choose the Custom option.
Setting Name	Give a descriptive name for the output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
Transformation Name	Specify the type of output you want to generate. This is required if you want to generate output using your own custom plug-in, which is integrated in the DITA-OT plug-in. For example, if you want to generate XHTML output, specify <code>xhtml</code> . For a list of transformations available in DITA-OT, see <a href="#">DITA-OT transformations (output formats)</a> in OASIS DITA-OT User Guide.
DITA-OT Command Line Arguments	Specify the additional arguments that you want DITA-OT to process while generating output. For details about the command-line arguments supported in DITA-OT, see <a href="#">DITA-OT documentation</a> .
Apply conditions using	<p>Select one of the following options:</p> <ul style="list-style-type: none"> <li>• None applied: Select this option if you do not want to apply any condition on the published output.</li> <li>• DITAVAL file: Select a DITAVAL file to generate personalized content.</li> <li>• Condition preset: Select a condition preset from the drop-down to apply a condition while publishing the output. The option is visible if you have added a condition present in the Condition Presets tab of the DITA map console. To know more about condition preset, see <a href="#">Use condition presets</a>.</li> </ul>
Destination Path	The path within your AEM repository where the EPUB output is stored.
Clean DITA-OT Temporary Files	Select this option to clean the temporary files generated by DITA-OT. The location where DITA-OT stores temporary files can be found in the output generation log. If you are experiencing errors while generating output through DITA-OT, you can deselect this option to retain the temporary files. You can then use those files to troubleshoot output generation errors.

Custom output options	Description
Run Post Generation Workflow	<p>When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.</p> <p><b>NOTE:</b> For more information about creating a custom post-output generation workflow, see <i>Customize post-output generation workflow in XML Documentation for Adobe Experience Manager Installation and Configuration Guide</i>.</p>
Use Baseline	<p>If you have created a Baseline for the selected DITA map, select this option to specify the version that you want to publish.</p> <p>See <a href="#">Work with Baseline</a> for more detail.</p>
Properties	<p>Select the properties that you want to process as metadata. These properties are set from the Properties page of the DITA map or bookmap file. The properties that you select from the drop-down list are listed below the <b>Properties</b> field and are removed from the drop-down list.</p>

## Use variables for setting the Destination Path, Site Name, or File Name options

While generating outputs in AEM Site or PDFs, you can use variables to define the **Destination Path**, **AEM Site Name**, or **PDF File Name** options. You can use a single or a combination of variables to define these options.

The following table lists the variables that are supported out of the box:

Variable	Final Destination Path	Example
<code> \${map_filename}</code>	<p>Uses the DITA map files name to create the destination path.</p>	<p><b>DITA map file name:</b>  <code>xmlDocSol.ditamap</code></p> <p><b>Destination Path</b> configured as:  <code>/content/output/sites/ \${map_filename}</code></p> <p><b>Final output location:</b>  <code>/content/output/sites/  xmlDocSol/xmlDocSol.html</code></p>

Variable	Final Destination Path	Example
<code> \${map_title}</code>	Uses the DITA map title to create the destination path.	<p><b>DITA map file name:</b>  <code>xmlDocSol.ditamap</code></p> <p><b>DITA map Title:</b>  <code>XML Documentation solution</code></p> <p><b>Destination Path</b> configured as:  <code>/content/output/sites/ \${map_title}</code></p> <p><b>Final output location:</b>  <code>/content/output/sites/ XML Documentation solution/xmlDocSol.html</code></p>
<code> \${preset_name}</code>	Uses the output preset name to create the destination path.	<p><b>Output Preset Name:</b>  <code>XML DocSol PDF Output</code></p> <p><b>DITA map file name:</b>  <code>SampleDita.ditamap</code></p> <p><b>Destination Path</b> configured as:  <code>/content/output/sites/ \${preset_name}</code></p> <p><b>Final output location:</b>  <code>/content/output/sites/ XML DocSol PDF Output/SampleDita.html</code></p>
<code> \${language_code}</code>	Uses the language code where the map file is located to create the destination path.	<p><b>DITA map file name:</b>  <code>SampleDita.ditamap</code></p> <p><b>DITA map file path:</b>  <code>/content/dam/projects/xml-doc-sol/en/user-guide/</code></p> <p><b>Destination Path</b> configured as:  <code>/content/output/sites/ \${language_code}</code></p> <p><b>Final output location:</b>  <code>/content/output/sites/ en/SampleDita.html</code></p>
<code> \${map_parentpath}</code>	Uses the complete path of the map file to create the destination path.  <b>NOTE:</b> This variable cannot be used to specify the AEM Site Name or PDF File Name.	<p><b>DITA map file name:</b>  <code>SampleDita.ditamap</code></p> <p><b>DITA map file path:</b>  <code>/content/dam/projects/xml-doc-sol/en/user-guide/</code></p> <p><b>Destination Path</b> configured as:  <code>/content/output/sites/ \${map_parentpath}</code></p> <p><b>Final output location:</b>  <code>/content/output/sites/ /content/dam/projects/xml-doc-sol/en/user-guide/SampleDita.html</code></p>

Variable	Final Destination Path	Example
<code> \${path_after_langfolder}</code>	<p>Uses the path of the map file after the language folder to create the destination path.</p> <p><b>NOTE:</b> This variable cannot be used to specify the AEM Site Name or PDF File Name.</p>	<p><b>DITA map file name:</b> <i>SampleDita.ditamap</i></p> <p><b>DITA map file path:</b> <i>/content/dam/projects/xml-doc-sol/en/user-guide/</i></p> <p><b>Destination Path</b> configured as: <i>/content/output/sites/ \${path_after_langfolder}</i></p> <p><b>Final output location:</b> <i>/content/output/sites/ /user-guide/SampleDita.html</i></p>

In addition, you can also use the metadata defined for the DITA map or bookmap file as variables. The metadata can be found under the `/jcr:content/metadata` node of the DITA map or bookmap file. For example, one of the metadata property define in the `/jcr:content/metadata` node is `dc:title`. You can specify  `${dc:title}` and the title value is used in the final output.

## Create, edit, duplicate, or remove an output preset

Perform the following steps to *create a custom output preset*:

- 1) In the Assets UI, navigate to and click on any DITA map to open the DITA map console.
- 2) Ensure that the Output Presets tab is selected. Click Create in the toolbar.  
*A blank output preset creation form is displayed.*
- 3) Enter the required details for the type of preset you want to create.
- 4) Click Done to save the preset settings.

Perform the following steps to *edit an existing output preset*:

- 1) In the Assets UI, navigate to and click on any DITA map to open the DITA map console.
- 2) Ensure that the Output Presets tab is selected.
- 3) Click on the output preset that you want to edit. Click Edit in the toolbar.  
*An editable output preset form is displayed with values of the selected output preset.*
- 4) Change the required details.
- 5) Click Done to save the edited preset settings.

Perform the following steps to *duplicate an existing output preset*:

- 1) In the Assets UI, navigate to and click on any DITA map to open the DITA map console.
- 2) Ensure that the Output Presets tab is selected.

- 3) Click on the output preset that you want to duplicate. Click Duplicate in the toolbar.

*An editable output preset form is displayed with values of the selected output preset.*

- 4) Change the required details.

- 5) Click Done to save the preset settings.

Perform the following steps to **delete an existing output preset**:

- 1) In the Assets UI, navigate to and click on any DITA map to open the DITA map console.
- 2) Select the output preset you want to delete.
- 3) Click Delete Preset.
- 4) Click Delete on the confirmation prompt.

*The preset is removed from the Output Presets list.*

## Conditional attribute profiling

At an enterprise level it is extremely important to ensure that you have a standard tagging system in place. Tags or conditional attributes can be associated with digital assets in the repository, which helps in publishing output based on the chosen conditions. For example, you can create conditional attribute for Windows and Mac content. Then, you add these attributes to the relevant content in your topics. At the time of publishing content, you can choose whether you want to publish Windows or Mac only content.

XML Documentation solution allows you to easily create and associate conditional attributes using the relevant DITA attributes. You can define conditional attributes at the global level or folder level. The globally defined conditions are visible across all projects and folder-specific conditions are visible only in projects created within the specified folder. Content authors can use these conditional attributes to conditionalize content in their DITA topics or maps that they create or use. These conditions can then be used by the publisher to create conditional presets. Using the conditional presets, the publisher can decide which condition to include and exclude from the published output.

**NOTE:** You can create or edit the conditional attributes in a Folder Profile that you have access to. If your system administrator has not given you access to a folder profile, you cannot create or edit the conditional attributes in the Folder Profile.

To define conditional attributes, perform the following steps:

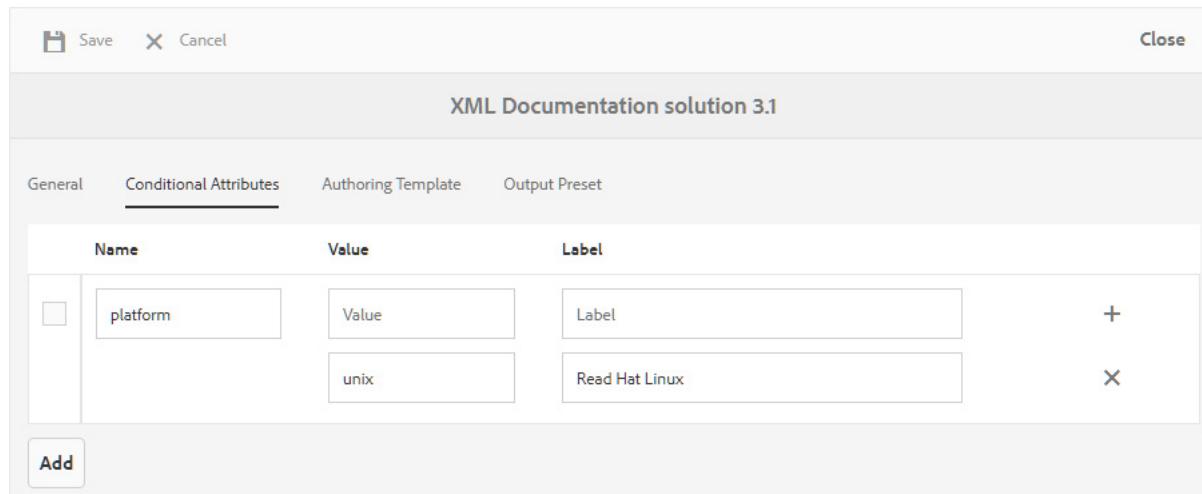
- 1) Click on the Adobe Experience Manager link at the top and choose **Tools**.
- 2) Select **XML Documentation** from the list of tools.
- 3) Click on the **Folder Profiles** tile and select a Folder Profile.

**NOTE:** You cannot edit the global profile.

- 4) Click on the **Conditional Attributes** tab and click **Edit**.  
*The Conditional Attributes table is shown.*
- 5) Click **Add**.
- 6) Enter the **Name**, **Value**, and a **Label** for the attribute.

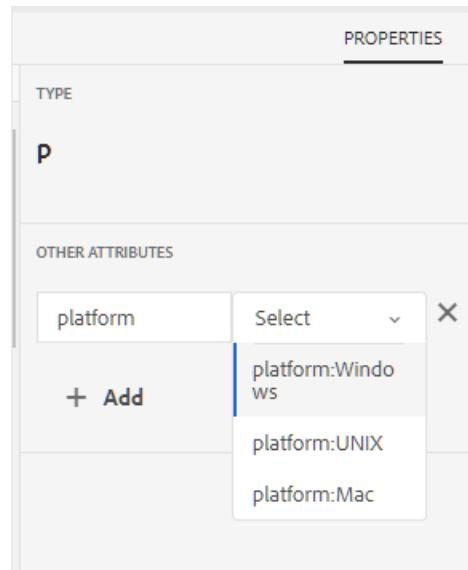
*You can save a profile with only the attribute name. However, an attribute can only be used when it has a value specified to it. If you specify both - value and label for an attribute, the Web Editor would still show only the value of the attribute. The label is shown to the publishing administrator at the time of creating conditional preset.*

*The following screenshot shows the definition for the platform attribute with value of unix and a label of Red Hat Linux.*



- 7) If you want to add more values for the same attribute, click the + icon and enter additional value and label.
- 8) If you want to add more attributes, click **Add**.
- 9) Click **Save** to save the changes.

The `platform` attribute is stored in the system. Whenever an author decides to use the `platform` attribute in a DITA topic in a folder, they will see the values in the Properties tab in the Web Editor.



## Use condition presets

You can define attributes in your DITA topics and use the condition preset to specify what happens with the attribute in the final output. For example, you can add attributes as version 1.0 and version 2.0 in your content, and use a condition preset to include version 1.0 for release 1.0 and exclude version 2.0. Similarly, you can add attributes as OS Windows and OS Linux to your content, and then include or exclude the relevant content for your final output according to the operating system.

### Create a condition preset

Perform the following steps to create a condition preset:

- 1) Click **Condition Presets** tab in the DITA map console.
- 2) Click **Create** button.
- 3) Enter a name for the preset in **Name Condition**.
- 4) Select one of the following default action from **Set default action to** drop-down:
  - Include
  - Exclude
  - Passthrough
  - Flag

*The action is set as default action for all the attributes whether they are added to the condition preset or not.*

*For example, you have 15 condition attributes in your document and you have included four of them in the condition preset. If you select **exclude** as default action, it is applied to all 15 attributes.*

- 5) Do any of the following to add the attributes:
  - Click **Add** to one attribute to the condition preset. You can repeat this step to add more attributes.
  - Click **Add all** to add all the attributes to the condition preset.
- 6) (Optional) If required, you can override the default action applied to the attributes in Step 4. Do one of the following:
  - Select multiple attributes, choose an action from **Set the action for selected conditions to**, and click **Apply**.
  - Select an action for an attribute from the **Action** drop-down.
- 7) Click **Save**.

## Edit a condition preset

You can make changes in an existing condition preset to change the actions applied to the attributes in the condition preset. Perform the following steps to edit a condition preset:

- 1) Click **Condition Presets** tab in the DITA map console.
- 2) Click **Edit** button.
- 3) Make required changes for all the attributes in the condition preset.
- 4) Click **Save**.

## Create a copy of a condition preset

You can create a copy of a condition preset and then modify it according to your requirement. Perform the following steps to create a copy of a condition preset:

- 1) Click **Condition Presets** tab in the DITA map console.
- 2) Click **Duplicate** button.

*NOTE: The default name of the preset is*

*<selected condition preset name>\_Duplicate*

*You can change the name according to your requirement.*

- 3) (Optional) Make required changes for all the attributes in the condition preset.
- 4) Click **Save**.

## Delete condition preset

You can delete one or more condition presets from the **Condition Preset** tab of the DITA map console. Perform the following steps to delete condition presets:

- 1) Click **Condition Presets** tab in the DITA map console.
- 2) Select the condition preset(s) that you want to delete.
- 3) Click **Remove** button.
- 4) Click **Remove** to confirm the action.

## Work with Baseline

The Baseline feature allows you to create a version of your topics and assets that can then be used for publishing or translation. For example, if your DITA map has `topicA` and `imageA`, you can create a Baseline to use the 3rd version of `topicA`, but 4th version of `ImageA`. Once you have a Baseline in place, you can publish or translate topics of different versions in a single click.

Selecting a Baseline is optional for output presets. A DITA map can have more than one Baseline. However, each output preset within a DITA map can be associated with a single Baseline. If no Baseline is specified at the time of publishing, then the output is published using the latest version of the content.

Similarly, selecting a Baseline to translate content is optional. However, if you choose to translate content using a Baseline, the contents of the Baseline are also saved along with the translated copies. You can then use the translated Baseline to perform further operations, like share it with external publishers or archive it. For more information about exporting a translated Baseline, see [Export translated Baseline](#).

**TIP:** See [Baseline](#) for best practices around working with Baselines.

You can access the Baseline feature by performing the following steps:

- 1) In the Assets UI, navigate to and click on the DITA map file.
- 2) Go to the Baselines tab.

In Baselines tab, you can perform the following actions:

- [Create a Baseline](#)
- [View contents of a Baseline](#)
- [Edit, duplicate, or remove Baselines](#)
- [Add labels to a Baseline](#)

### Create a Baseline

You can create Baselines with the a version of the topics and referenced content available on a specific date and time, or with a label defined for a version of a topic. You can individually specify the versions of selected topics in a Baseline so that each time you apply the Baseline in publish or translation workflow, the selected topics and their corresponding versions are included for output generation or translation.

Perform the following steps to create a baseline:

- 1) On the Baselines page, click the **Create** icon.
- 2) Enter a name for the Baseline in **Baseline Name**.
- 3) In **Set the Version of All Topics To**, select one of the following and click **Apply**:

- **Version on <time stamp>**: Picks the topics' version as on the specified date and time. Note that the time that you specify here corresponds to the timezone of your AEM server. If your server is at a different timezone, then the topics will be picked up as per your server's timezone and not your local timezone.
- **Label**: Picks the topics according to the label applied to them. For more information about adding labels, see [Use label](#).

The **Version** drop-down list shows the available versions of the topics or the referenced content. For the referenced content, you have the option to choose a version automatically.

If you choose **Pick Automatically** for the referenced content, the system automatically picks the version of the referenced content corresponding to the version of the content in which it is referenced. For example, let's say a topic A has a reference to an image B. When version 1.5 of topic A was created, the version of image B was 1.2 in the repository. Now, when a baseline is created with version 1.5 of the topic A with image B set to **Pick Automatically**, the system will automatically pick version 1.2 of image B.

If you create a baseline using the labels, **Pick Automatically** is applied to the version of all referenced content.

If the referenced content or assets (topic, sub-maps, images, or videos) are not versioned (such as, newly uploaded content), then creating a baseline will create a version for such files. However, if your files are versioned, then no incremental version is created for those files. This behavior is controlled by the **Auto-Create Asset Version** option in the configMgr, which is enabled by default. This is also required for translating content wherein the translation process expects all files to have a version.

**NOTE:** If you want to specify a different version for any particular resource, you can do so by choosing the desired version from the **Version** drop-down list.

- 4) Click **Save**.

## View contents of a Baseline

You can view the contents of an existing Baseline by clicking on the Baselines tab and selecting the desired Baseline version from the list. The Baselines page is divided into three parts – DITA map file, map's contents or topics, and the referenced content. If you map contains sub-maps, then the topics referenced from the sub-map are also displayed in the Content section. The various columns on the Baseline page are described below:

### Name

Lists the DITA map or topic's title or the name of the asset, such as the file name of an image.

### Kind

Lists the kind or type of asset in the map like DITA map, DITA topic, or image format.

### Version

Lists the version of the asset available in the Baseline.

### Version Date and Time

Lists the creation date and time of the asset for the selected version.

## Latest

Lists whether the latest version of the asset is used in the Baseline.

## Parent Map

If your map file contains sub-maps, then this column contains the name of the map in which a topic is referenced.

## Label

Lists the label(s) applied to the version of the topic.

## Referenced By

This column is available for the referenced content only. It indicates the parent topic of the referenced asset. In case an asset is referred by multiple topics, then the topics are separated by commas.

## Edit, duplicate, or remove Baselines

### Edit Baselines

Perform the following steps to edit an existing baseline:

- 1) Select the Baseline and click **Edit**.
- 2) Make the required changes in the baseline. You can change the name and version of the topic or referenced content.
- 3) Click **Save**.

### Duplicate Baselines

Select the Baseline and click **Duplicate** to create a copy of an existing Baseline. Specify a different name for the baseline and choose the version number for the topics and referenced content and click **Save**.

### Remove Baselines

Select the Baselines version and click **Remove** to remove a Baseline.

## Add labels to a Baseline

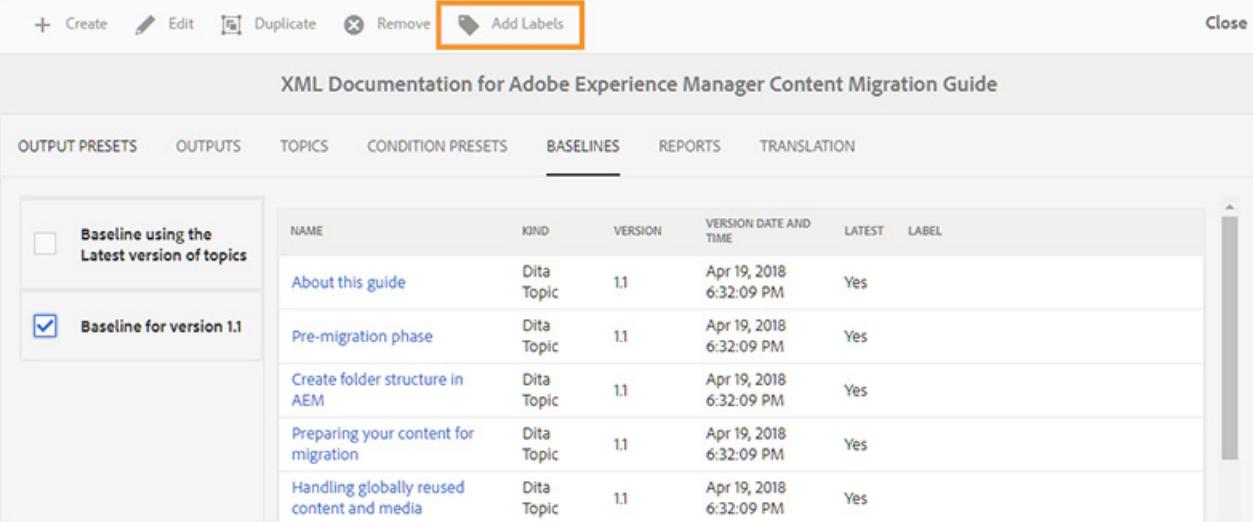
Adding labels to every single topic can be time consuming. XML Documentation solution provides a single-click mechanism of adding labels to multiple topics in a DITA map.

Perform the following steps to add a label to multiple topics in a DITA map:

- 1) On the Baselines page, select a baseline containing the topics and referenced content on which you want to add a label.

*NOTE: Ensure that your baseline does not have the latest version of any topic or asset. A label can only be added to a versioned topic or asset.*

## 2) Click Add Labels.



The screenshot shows the 'Add Labels' dialog for the 'XML Documentation for Adobe Experience Manager Content Migration Guide'. The 'BASELINES' tab is selected. There are two baselines listed: 'Baseline using the Latest version of topics' (unchecked) and 'Baseline for version 1.1' (checked). The checked baseline has five items under it: 'About this guide', 'Pre-migration phase', 'Create folder structure in AEM', 'Preparing your content for migration', and 'Handling globally reused content and media'. Each item has columns for NAME, KIND, VERSION, VERSION DATE AND TIME, LATEST, and LABEL. All items have 'Yes' in the LATEST column and 'version 1.1 of UG' in the LABEL column. The 'LABEL' column is highlighted with an orange border.

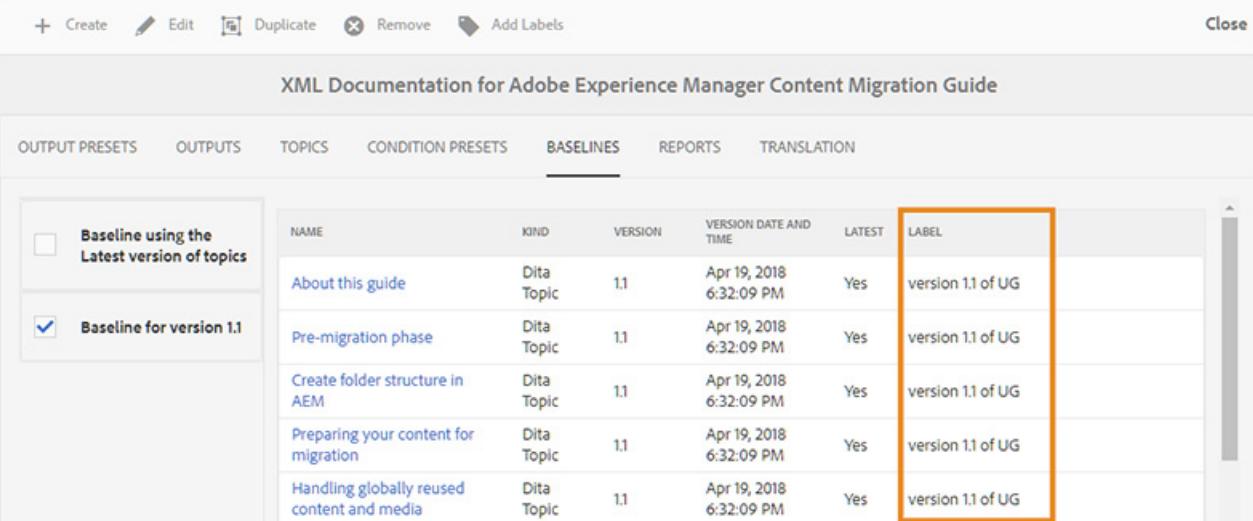
NAME	KIND	VERSION	VERSION DATE AND TIME	LATEST	LABEL
About this guide	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Pre-migration phase	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Create folder structure in AEM	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Preparing your content for migration	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Handling globally reused content and media	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG

## 3) In the Add Label dialog, specify a unique label to associate with this baseline.

**NOTE:** If you have applied a label to any file in the map, then you cannot specify the same label again. For example, if you have specified a label Version 1.1 to a few files in the map, you cannot specify the same label to the remaining files in the map the next time.

- 4) If you want to apply the label to topics referenced from the sub-maps, then select **Apply Label to Submap and Dependents** option.
- 5) Click Add.

The specified label is added to the DITA map and referenced topics.



The screenshot shows the 'Add Labels' dialog after step 5. The 'BASELINES' tab is selected. The 'Baseline for version 1.1' checkbox is checked. The table now shows the 'LABEL' column for each item, which is 'version 1.1 of UG' for all items. The 'LABEL' column is highlighted with an orange border.

NAME	KIND	VERSION	VERSION DATE AND TIME	LATEST	LABEL
About this guide	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Pre-migration phase	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Create folder structure in AEM	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Preparing your content for migration	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG
Handling globally reused content and media	Dita Topic	1.1	Apr 19, 2018 6:32:09 PM	Yes	version 1.1 of UG

**NOTE:** A label is not assigned to any referenced content.

## Export translated Baseline

You can use Baseline for translating content. For example, you can create a Baseline for Version 1.1 that is ready for translation in French. In the Translation tab, you need to use Baseline to filter your content, then select the Baseline for Version 1.1 of your content. Using Baseline for translating content makes it easier for you to manage your content.

Once the content is translated, you can then export the translated Baseline for archival or sharing it with different teams in your organization. You must consider the following points before exporting a translated Baseline:

- Exporting a Baseline is only possible after the content in the Baseline is translated. If you try to export a baseline for which the translation is not started or is not complete, then you will get an error.
- You can only transfer Baseline for a version that is already translated. For example, if you have created a Baseline for version 1.1 of your content and the same is translated, you can export this baseline. However, if you have created a Baseline for version 1.2, which is not translated, you cannot export this Baseline.
- If a Baseline is already exported, you can overwrite the existing baseline by selecting the *Overwrite Existing Baseline* option while exporting.

Perform the following steps to export a translated Baseline:

- 1) Open the DITA map that contains the translated Baseline.
- 2) In the **Translation** tab, expand the **Baseline** option.
- 3) Select the **Use Baseline** option and choose the Baseline that you want to export.
- 4) Click **Export Baseline**.

*The Export Status is displayed. If the process is successful, then you are shown a message mentioning the language for which the Baseline is exported. In case of a failure, the cause of failure is displayed.*

*If you try to export the Baseline which is already exported, then also you are shown the Baseline creation failure message.*

- 5) (Optional) To export a Baseline which is already exported, select **Overwrite Existing Baseline** and then click **Export Baseline**.

## Generate output for a DITA map

Perform the following steps to generate output for a DITA map:

- 1) In the Assets UI, navigate to and click on the DITA map file that you want to publish.

*The DITA map console appears showing the list of Output Presets available to generate output.*

- 2) Select one or multiple Output Presets that you want to use for generating the output.

The screenshot shows the 'Using XML Documentation Add-on for Adobe Experience Manager 6.16.26.3' interface. At the top, there are buttons for Generate, Edit, Duplicate, Create, and Delete Preset, along with a Close button. Below this is a navigation bar with tabs: OUTPUT PRESETS (selected), OUTPUTS, TOPICS, CONDITION PRESSETS, BASELINES, REPORTS, and TRANSLATION. The main content area displays a list of output presets:

Output Preset	Setting Name
AEM Site	AEM Site
PDF	Design /libs/fmdita/config/templates/default
HTML5	Existing Output Pages Delete and Create
EPUB	Clean DITA-OT Temporary Files Yes
CUSTOM	Post Generation Workflow None

Below the preset list, there are two sections: 'Generate separate PDF for every topic' (with options 'Do not generate' and 'Generate') and 'Baseline' (with option 'No Baseline Used').

**NOTE:** If you are generating the AEM Site output, then the publishing process uses the structure defined in the .ditamap file to create AEM Site structure.

- 3) Click the Generate icon to start the output generation process.

**NOTE:** You can view the current status of the output generation request by clicking on Outputs. For more information, see [View the status of the output generation task](#).

## Incremental output generation

**NOTE:** Incremental output generation is applicable only for AEM Site output. Also, you can only regenerate DITA (.dita/.xml) topics from a DITA map or sub-maps. However, If you select a DITA map, sub-map, topic group, or a topic with `@processing-role="resource-only"`, then the regenerate option is not available.

There could be a number of instances where you would update only a few topics in your DITA map and push only those updated topics live. To handle such scenarios, the XML Documentation solution allows you to create incremental outputs.

If you have updated a few topics, you do not need to regenerate the entire DITA map. You can select only the updated topics and regenerate them.

Perform the following steps to regenerate output for a specific topic or a group of topics:

- 1) In the Assets UI, navigate to and click on the DITA map file.

*The DITA map console appears showing the list of Output Presets available to generate output.*

- 2) Select the **Topics** tab.

*A list of topics available in the DITA map are displayed.*

- 3) Select the topics that you want to regenerate.

**NOTE:** If you have added new topics to the DITA map, you will not be able to generate those new topics from here. You must first publish the newly added topics by using the DITA map publish function.

Topic	Keys	Attributes	Tags
About XML Documentation Add-on for Adobe Experience Manager			
Download and install			

- 4) Click **Regenerate**.

*The Regenerate Selected Topics page appears.*

- 5) Select the output preset that you want to use to regenerate the selected topics.

- 6) Click **Regenerate** to start the output generation process.

**IMPORTANT:** If you rename a topic title and regenerate the topic, the updated topic title does not reflect in the DITA map table of contents. To update the topic title in the TOC, you must generate the entire DITA map.

You can view the current status of the output generation request by clicking on Outputs. For more information, see [View the status of the output generation task](#).

## View the status of the output generation task

Once you initiate the output generation task for a map or regenerate selected topics, the XML Documentation solution sends this task to the output generation queue. This queue is updated in real time, showing the status of each output generation task in the queue.

Perform the following steps to view the output generation queue:

- 1) In the Assets UI, navigate to and click on the map file for which you want to check the output generation status.
- 2) Click **Outputs**.

GENERATION SETTING	TYPE	GENERATED BY	ELAPSED TIME	STATUS
PDF	PDF	admin	31 sec	Executing

GENERATION SETTING	TYPE	GENERATED BY	GENERATED AT	GENERATED IN
EPUB	EPUB	admin	01/02/2018 12:28 hrs	28 sec
HTML5	HTML5	admin	01/02/2018 12:28 hrs	27 sec
AEM Site	AEM Site	admin	01/02/2018 12:28 hrs	27 sec

The *Outputs* page is divided into two parts:

- **Queued Outputs:**

*Lists the outputs that are either waiting to be generated or are under generation process. You can also find the output generation setting or preset used for the queued task, the type, user who initiated the task, time since when the task is queued, and the current status.*

- **Generated Outputs**

*Lists the output tasks that have been completed. Again, the information shown here is similar to the Queued Outputs section with a few differences. You have new set of information in the form of output result icon and the output generation time.*

*In this list, you could have tasks that have executed successfully, tasks that have executed with message, or failed tasks. For all the tasks, the publishing process creates a log file (logs.txt) that can be accessed by clicking the link in the Generated At column. For tasks that have failed or have messages, you can check the log file, which is explained in the section, [View and check the log file](#).*

**NOTE:** When you click on a link of the generated PDF output, you are asked to download the PDF. This is the default behavior in AEM 6.4.

## Use Map Collection for output generation

In any organization, a product can have multiple types of documentation. As a publishing specialist, you would like to control what output you want to generate for which document. Also, there should be a way to batch publish multiple documents with a single click.

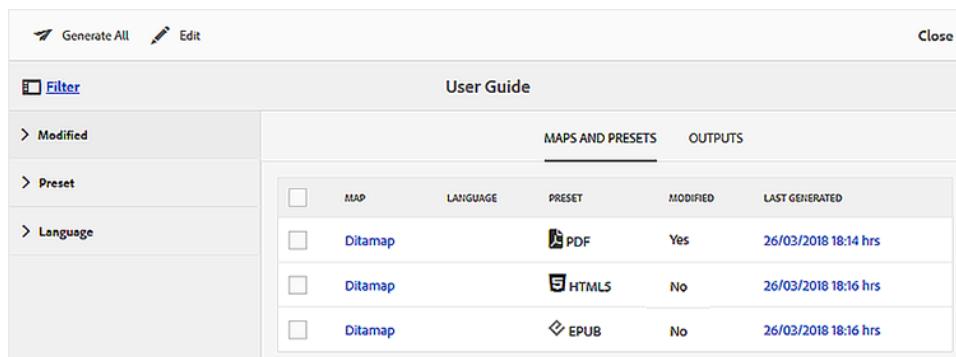
XML Documentation solution provides you the ability to organize your content for publishing by using a dashboard called Map Collection. A Map Collection allows you to assemble all different types of documents in a single unit. You can choose what type of output you want to generate for each document in your Map Collection. In addition, you can also generate output and see the output generation progress from the publishing dashboard.

Map Collection gives you an option to view if there is any change in any map from the last published output. You can view the details in the Maps and Presets tab of your Map Collection and then republish the output if required. For more information, see Adding a map to a map collection.

### Create a map collection and add DITA maps

To create a Map Collection and add DITA maps to the collection, perform the following steps:

- 1) On the Assets UI, click **Map Collection**.
- 2) Click **Create**.
- 3) After your Map Collection is created, click **Map Collection**.
- 4) Click **Edit** and then click **Add Maps**.
- 5) Locate and add the DITA maps that you want to add to the Map Collection.  
*By default, all the presets and locales associated with the map gets added automatically.*
- 6) Select the desired output by turning the sliding button on or off.
- 7) Click **Done**.



The screenshot shows a user interface for managing a Map Collection. At the top, there are buttons for 'Generate All' and 'Edit'. To the right is a 'Close' button. Below these are two tabs: 'MAPS AND PRESETS' (which is selected) and 'OUTPUTS'. On the left, there is a sidebar with filters for 'Modified', 'Preset', and 'Language'. The main area displays a table with three rows of data:

MAP	LANGUAGE	PRESET	MODIFIED	LAST GENERATED
Ditamap	PDF	Yes	26/03/2018 18:14 hrs	
Ditamap	HTML5	No	26/03/2018 18:16 hrs	
Ditamap	EPUB	No	26/03/2018 18:16 hrs	

The map is added to your Map Collection and the following details are shown in the Maps and Presets tab:

- Filter: The left rail shows the following filters:
  - Modified: You can select Yes or No. If you select yes, only the modified Dita maps will be visible in the Maps and Presets table.
  - Preset: You can select any of the available presets and display only the selected presets in the Maps and Presets table.
  - Language: You can select any of the available language codes and display only the selected language in the Maps and Presets table.
- Maps and Presets table: The Maps and Presets table shows has the following columns:
  - Map: Shows the name of the Dita map.
  - Language: Shows the language of the Dita map.
  - Preset: Shows the output preset type.
  - Modified: Shows if the Dita map is updated after last publication. Based on this information, you can decide if you want to republish the output for this Dita map or not.
  - Last Generated: Shows the date and time of the last generated output.

## Configure and generate the output using a Map Collection

To configure and generate the output using a Map Collection, perform the following steps:

- 1) Open the Map Collection.
- 2) (Optional) Do any of the following based on your requirement:
  - Apply Filters from the left rail to filter the modified maps, output preset, or language.
  - If required, click **Edit** and change the desired output by turning the sliding button on or off.
- 3) Do one of the following:
  - To generate output of selected presets, select the preset and click **Generate Selected**.
  - To generate output of all presets, Click **Generate All**.

## Delete a Map collection or a DITA map from the Map Collection

- To delete a map collection, select the Map Collection and click **Delete**.
- To delete a Ditamap from a map collection, open the Map Collection, select the DITA map, and click **Remove From Collection**.

*This will also remove any presets or locales associated with the DITA map from the Map Collection.*

# Basic troubleshooting

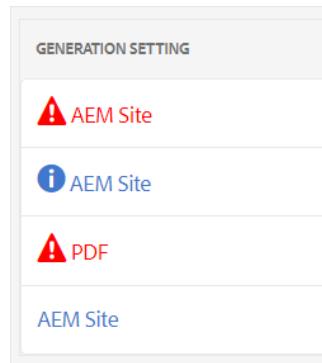
While working with the XML Documentation solution, you could encounter errors while publishing or opening your document. Such errors could be in the DITA map, topic, or in the XML Documentation solution process itself. This section provides information about how to access and parse information in the output generation log file. Also, if your DITA topic is too large, then you might see the JSP compilation error. This section also provides information about how to resolve the JSP compilation error.

## View and check the log file

Perform the following steps to view and check the output generation log file:

- Once you have initiated the output generation process, click **Outputs** in the DITA map console.

*The **General** column of the **Generated Outputs** shows the icons to give a visual cue about the success or failure of the output generation.*



*In the above screenshot, the first and third icons show failed output generation. The second icon shows a successful output generation but with messages. The last one is a successful output generation without any message.*

- Click on the link in the **Generated At** column after the job is complete.

*The log file opens in a new tab.*

<input checked="" type="checkbox"/>	Fatal (0)
<input checked="" type="checkbox"/>	Error (0)
<input checked="" type="checkbox"/>	Warn (7)
<input checked="" type="checkbox"/>	Info (0)
<input checked="" type="checkbox"/>	Exception (0)

DITA-OT launched at 1,516,594,243,550ms  
Unable to locate tools.jar. Expected to find it in C:\Program Files\Java\jre1.8.0\_121\lib\tools.jar  
Buildfile: C:\Users\rajetiwa\Desktop\XML Addon\crx-quickstart\profiles\ditaot-4306792928312276288\DI  
TA-OT\build.xml  
DITA-OT process completed in 12,187ms  
Reading dita-ot logs.  
init:  
dita2fm-pdf.init:  
dita2pdf2.init:  
init-properties:

- 3) Apply following filters to highlight the text in the log file:
  - Fatal: Highlights the fatal errors in the log file with pink color.
  - Error: Highlights the errors in the log file with orange color.
  - Warning: Highlights the warnings in the log file with purple color.
  - Info: Highlights the information messages in the log file with blue color.
  - Exception: Highlights the exceptions in the log file with yellow color.
- 4) Use the up and down navigation buttons to jump to the highlighted text in the log file.  
*Alternatively, scroll through the log file and check the messages.*

## Copy and check the log file in a text editor

Perform the following steps to copy and check the output generation log file in a text editor:

- 1) Once you have initiated the output generation process, click **Outputs** in the DITA map console.
- 2) Click on the link in the **Generated At** column after the job is complete.  
*The log file opens in a new tab.*
- 3) Click **Copy Log** button. The log file is copied to the clipboard.
- 4) Open a text editor and paste the log file in the editor.
- 5) Scroll through the log file and check for messages.

*The following information will help you determine whether there is an error in the DITA file or XML Documentation solution process:*

- **DITA map file related error:** In case there is an error found in the DITA map file or any other file contained in the DITA map, the log file will contain a string, "BUILD FAILED". You can check the information given in the log file to locate the erroneous file and fix the issue.

*In the following sample log file snippet, you can see the BUILD FAILED message along with the reason for the error.*

```
file:/E:/AEM-CCMS-DITA/AEM6.1/crx-quickstart/ditamaps/ditamap7231982760844238007/sequence.ditamap

BUILD FAILED
E:\AEM-CCMS-DITA\AEM6.1\crx-quickstart\ditamaps\ditamap7231982760844238007\sequence.ditamap Line 27: The element type "topicref" must be terminated by the matching end-tag
"</topicref>".
```

- **XML Documentation solution related error:** The other type of error that you can identify in the log file is related to the XML Documentation solution process itself. In this case, the DITA map file is parsed successfully, but the output generation process fails because of some internal error in the XML Documentation solution. For such kind of errors, you have to seek help from the technical support team.

*In the following sample log file snippet, you can see the `BUILD SUCCESSFUL` message, followed by other technical error.*

```
clean-temp:

BUILD SUCCESSFUL
Total time: 18 seconds
javax.jcr.InvalidItemStateException: OakState0001: Unresolved conflicts in
/content/output/sites/sequence_ditamap
    at
        org.apache.jackrabbit.oak.api.CommitFailedException.asRepositoryException(CommitFailedE
xception.java:237)
    at
```

## Resolve JSP compilation error

If your DITA topic is too large, then you might see the JSP compilation error (`org.apache.sling.api.request.TooManyCallsException`) in your browser. This error might appear when you open a topic for editing, reviewing, or publishing.

Perform the following steps to resolve this issue:

- 1) From the Global Navigation, select Tools and choose Operations > Web Console.  
*The Adobe Experience Manager Web Console Configuration page appears.*
- 2) Search for and click on the Apache Sling Main Servlet component.  
*The configurable options for the Apache Sling Main Servlet are displayed.*
- 3) Increase the value for the Number of Calls per Request parameter as per your requirements.

---

# Generate output from FrameMaker documents

Starting with XML Documentation solution 1.1, you can also publish FrameMaker documents (`.book` and `.fm`) available in your AEM repository. If a book file contains a combination of DITA and FrameMaker documents, the XML Documentation solution allows you to publish such documents as well. FrameMaker documents can be published into the following formats:

- PDF
- HTML5
- EPUB
- DITA

However, you must have FrameMaker Publishing Server to be able to publish FrameMaker documents. To configure FrameMaker Publishing Server, see *Configure FrameMaker Publishing Server* in XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

As an author, you just click a few links and the output gets generated. You can generate output for an entire book file or you can selectively publish individual FrameMaker files. Before generating the output, you can also make changes to your FrameMaker files. When you select a `.fm` or a `.book` file in AEM repository, you get the **Open in FrameMaker** button on the toolbar. Clicking on this button opens up the selected file in FrameMaker.

Information in the following sections is for publishers who will use the output generation workflows to publish FrameMaker documents:

- [\*Understanding the output presets\*](#)
- [\*Generate output for FrameMaker documents\*](#)

**IMPORTANT:** Features described in this topic are available to users with Publishers or administrator privileges only.

**TIP:** See [\*Publishing unstructured FrameMaker documents\*](#) for best practices around publishing FrameMaker documents.

## Generate output

This section walks you through the output generation process through XML Documentation solution. Before generating the output, you need to familiarize yourself with the various options available to generate the output.

### Understanding the output presets

The XML Documentation solution supports creating output for FrameMaker documents in PDF, HTML5, EPUB, and DITA formats. Using these output formats, you can configure various output presets. An output preset represents a customized output format in which you would like the content to be published.

The following sections explain the options available for the supported output formats.

#### PDF

The following options are available for the PDF Output:

**NOTE:** To open output presets for PDF, click on a FrameMaker (.fm or .book) file, then click on Output Presets, and then click on the PDF Output option.

PDF options	Description
Output Type	The type of output you want to generate. To generate PDF output, choose the PDF option.
Setting Name	Give a descriptive name for the PDF output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
<b>Job Settings</b>	
Options	Choose the PDF preset that you want to use for generating PDF output.
Generate Tagged PDF	Select this option to generate tagged PDFs that will contain information on document's content and structure. This information is used by the on-screen readers.
Generate PDF for Each File in Book	If you are generating output for a book file, select this option to generate a separate PDF for each file in the book.
Generate PDF for review Only	Select this option to generate PDF with commenting feature enabled.

PDF options	Description
Create Named Destination for all Elements and Paragraphs	Select this option to create named destinations based on elements and paragraphs.
<b>Display Settings</b>	
Open Document on Page	Specify the page number that should be displayed on opening the PDF.
Initial Zoom Level	Choose the document zoom level.
Registration Mark	To print a document with crop marks and registration marks, choose an option from the Registration Marks drop-down list.
Page Width and Page Height	Specify the width and height of the page.
Page Range	Choose whether you want to publish all pages in the book or a range of pages. If you choose Range, then you must specify the From and To page range.
Convert CYMK to RGB	Select this option to convert CYMK colors to RGB in the generated PDF.
Generate PDF Bookmarks	Create accessible PDF that contains bookmarks.
Destination Path	The path within your AEM repository where the PDF output is stored.
Run Post Generation Workflow	When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.

## HTML5

The following options are available for the HTML5 output:

**NOTE:** To open output presets for HTML5, click on a FrameMaker (.fm or .book) file, then click on Output Presets, and then click on the HTML5 option.

HTML5 option	Description
Output Type	The type of output you want to generate. To generate HTML5 output, choose the HTML5 option.

HTML5 option	Description
Setting Name	Give a descriptive name for the HTML5 output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
Settings File	Specify the setting file (.sts) location in your AEM repository that should be used to generate the HTML5 output.
Destination Path	The path within your AEM repository where the HTML5 output is stored.
Run Post Generation Workflow	When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.

## EPUB

The following options are available for the EPUB output:

**NOTE:** To open output presets for EPUB, click on a FrameMaker (.fm or .book) file, then click on Output Presets, and then click on the EPUB option.

EPUB option	Description
Output Type	The type of output you want to generate. To generate EPUB output, choose the EPUB option.
Setting Name	Give a descriptive name for the EPUB output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
Settings File	Specify the setting file (.sts) location in your AEM repository that should be used to generate the EPUB output.
Destination Path	The path within your AEM repository where the EPUB output is stored.
Run Post Generation Workflow	When you choose this option, a new Post Generation Workflow drop-down list is displayed containing all workflows configured in AEM. You must select a workflow that you want to execute after completion of the output generation workflow.

## DITA

The DITA output format allows you to convert any unstructured FrameMaker (.fm or .book) document into a valid DITA type document. Currently, you can convert your unstructured FrameMaker documents into DITA topic type document. The following options are available for the DITA output:

## Chapter 10

---

**NOTE:** To open output presets for DITA, click on a FrameMaker (.fm or .book) file, then click on Output Presets, and then click on the DITA option.

DITA option	Description
Output Type	The type of output you want to generate. To generate custom DITA output, choose the DITA option.
Setting Name	Give a descriptive name for the DITA output settings you are creating. For example, you can specify <i>Internal customers output</i> or <i>End users output</i> .
Settings File	Specify the setting file (.sts) location in your AEM repository that should be used to generate the custom DITA output. See <a href="#">Create a .sts file for DITA conversion</a> for more information about creating a .sts file.
Destination Path	The path within your AEM repository where the converted DITA files are stored.

### Create a .sts file for DITA conversion

To be able to successfully convert your unstructured FrameMaker files into DITA format, you should consider the following points while creating a .sts file in FrameMaker:

- In the Style Mapping dialog in FrameMaker, style that your map from your document to Heading 1 (or h1) is used to create the topic title.
- Subsequent headings such as heading 2 is mapped to the section heading.
- Heading beyond heading 2 are mapped to required-cleanup DITA element. You should clean up your DITA document and apply relevant DITA elements that are marked under required-cleanup element.
- You can choose to split your DITA documents on heading 1 or heading 2.
- You don't need to explicitly map tables and images in your documents, they are automatically mapped to the correct DITA elements in the final output.
- Map numbered list style to HTML list.

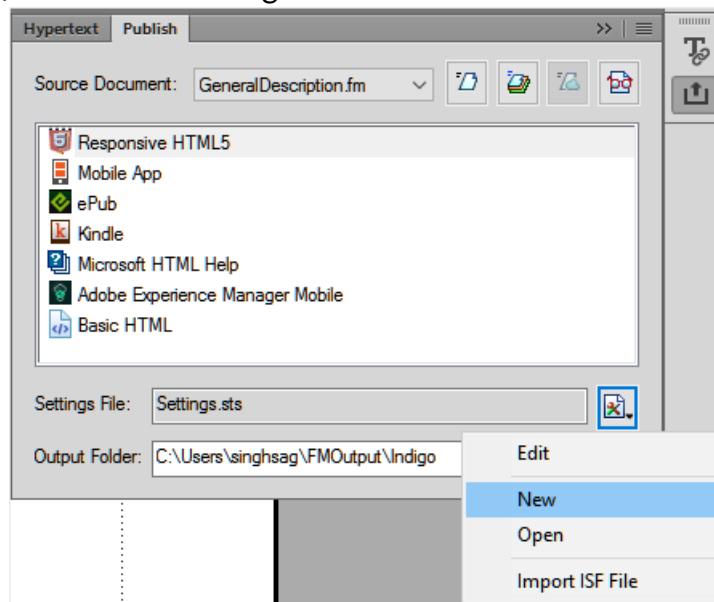
**IMPORTANT:** If you want to specify additional settings for mapping source formats to the destination DITA formats, contact your publishing administrator. Using the style2attrMap.xml file, your administrator can map formats from your FrameMaker document to DITA elements.

To demonstrate this feature, we have used the GeneralDescription.fm file from the Samples folder in the FrameMaker install location. We will use this file to create a .sts file that will be used to convert the unstructured FrameMaker document into DITA topic type document.

- 1) Open the GeneralDescription.fm file in FrameMaker (2017 release).
- 2) Open the Publish pod (**File > Publish**).

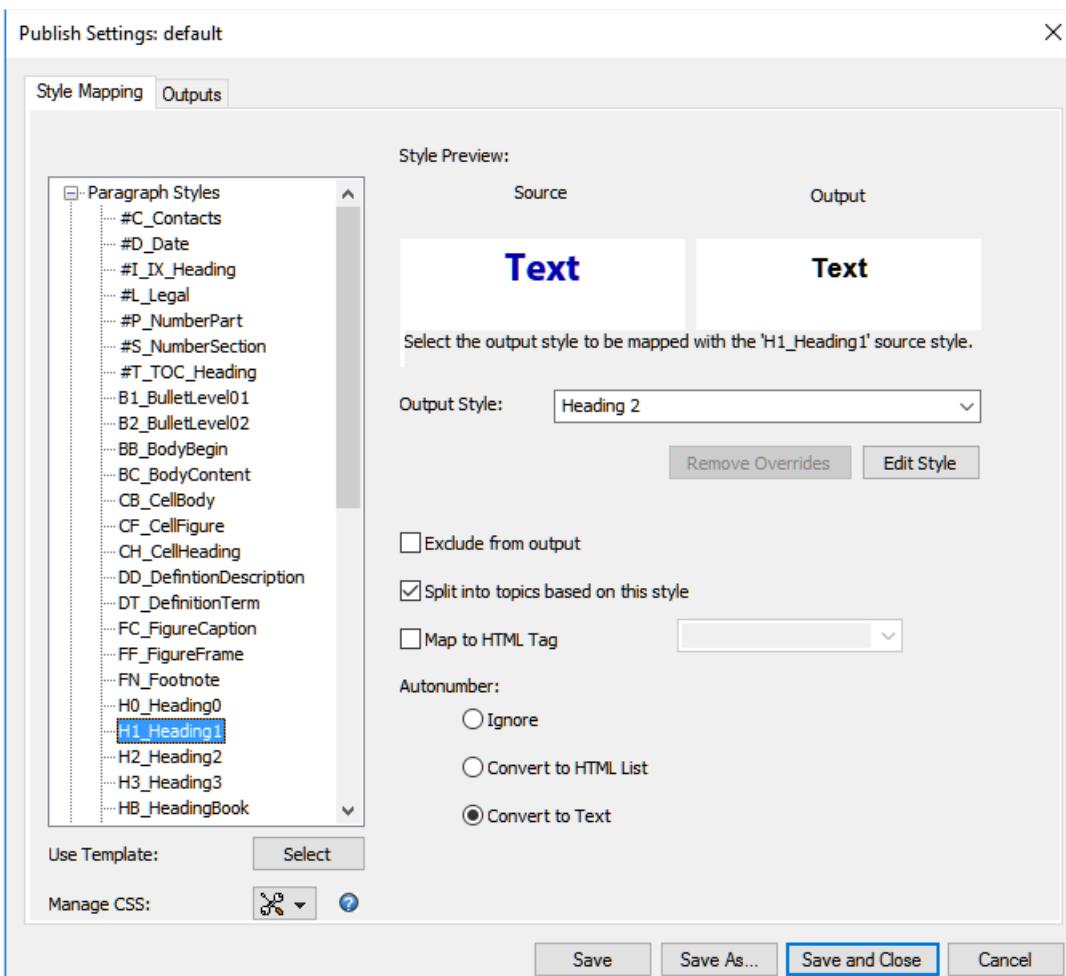
## Chapter 10

- 3) In the Publish pod, create a new Settings File.



- 4) Switch to the Style Mapping tab, and open Paragraph Styles.  
5) Map the paragraph styles as:

Source Style Mapping (Paragraph Style)	Destination Style Mapping (Output Style)
H0_Heading0	Heading 1
H1_Heading1	Heading 2 (also, select Split Into Topics Based on This Style)
H2_Heading2	Heading 3
H3_Heading3	Heading 4



*Map any numbered style to Convert to HTML List.*

- 6) **Save and Close** the Publish Settings dialog. If you are prompted to save the Settings.sts file, choose a location on your local disk to save the file.
- 7) Upload the Settings.sts file and the FrameMaker file on DAM.
- 8) Publish DITA output using the Settings.sts file you created.

## Generate output for FrameMaker documents

**NOTE:** You must have FMPS to be able to publish FrameMaker documents. To configure FrameMaker Publishing Server, contact your administrator.

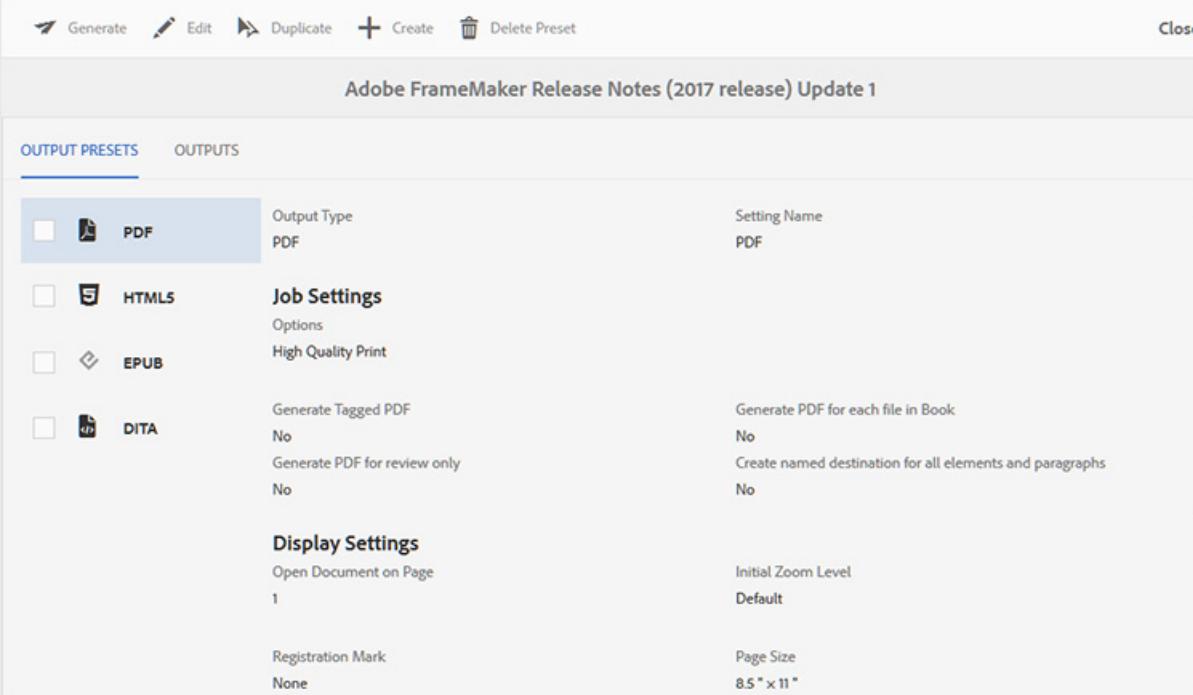
## Chapter 10

---

Perform the following steps to generate output for FrameMaker documents:

- 1) In the Assets UI, navigate to and click on the .book or .fm file that you want to publish.

*The DITA map console appears showing the list of Output Presets available to generate output.*



The screenshot shows the 'Output Presets' section of the DITA map console. At the top, there are buttons for 'Generate', 'Edit', 'Duplicate', 'Create', and 'Delete Preset', along with a 'Close' button. Below this, the title 'Adobe FrameMaker Release Notes (2017 release) Update 1' is displayed. The 'OUTPUT PRESETS' tab is selected, showing four preset options: PDF, HTML5, EPUB, and DITA. Each preset has associated settings. The 'PDF' preset is currently selected. The 'DITA' preset is highlighted with a blue border.

Output Preset	Setting Name
PDF	PDF
HTML5	Job Settings Options High Quality Print
EPUB	Generate Tagged PDF No
DITA	Generate PDF for review only No Create named destination for all elements and paragraphs No

**Display Settings**

Setting	Value
Open Document on Page	Initial Zoom Level Default
Registration Mark	Page Size 8.5 " x 11 "

- 2) Select one or multiple Output Presets that you want to use for generating the output.
- 3) Click the Generate icon to start the output generation process.

**NOTE:** You can view the current status of the output generation request by clicking on Outputs. For more information, see [View the status of the output generation task](#).

### View the status of the output generation task

Once you initiate the output generation task for a FrameMaker document, the XML Documentation solution sends this task to the output generation queue. This queue is updated in real time, showing the status of each output generation task in the queue.

## Chapter 10

---

Perform the following steps to view the output generation queue:

- 1) In the Assets UI, navigate to and click FrameMaker document for which you want to check the output generation status.
- 2) Click Outputs.

GENERATION SETTING	TYPE	GENERATED BY	ELAPSED TIME	STATUS
HTMLS	HTMLS	admin	11 sec	Executing

GENERATION SETTING	TYPE	GENERATED BY	GENERATED AT	GENERATED IN
HTMLS	HTMLS	admin	17/10/2016 18:45 hrs	8 min 29 sec
EPUB	EPUB	admin	17/10/2016 18:41 hrs	4 min 55 sec
PDF Output	PDF	admin	17/10/2016 18:38 hrs	1 min 45 sec

- 3) The Outputs page is divided into two parts:

- **Queued Outputs:**

*Lists the outputs that are either waiting to be generated or are under generation process. You can also find the output generation setting or preset used for the queued task, the type, user who initiated the task, time since when the task is queued, and the current status.*

- **Generated Outputs**

*Lists the output tasks that have been completed. Again, the information shown in this is similar to the Queued Outputs section, with the only difference of the output generation time.*

*In this list, you could have tasks that have executed successfully or tasks that failed. For the tasks that have completed successfully, the publishing process creates a log file (logs.txt) that can be accessed by clicking the link in the Generated At column.*

# Reports

In an organizational setup, you want to verify the overall completeness of your technical documentation before you start working on it or pushing the documents live. Such a need becomes even more essential in multi-user and large scale environments. XML Documentation solution provides a few reports that give a useful insight into the overall health of the content in your repository and how content is being used in the documentation process.

## DITA Map Report

XML Documentation solution provides your administrators the reporting capabilities to check the overall integrity of the documentation before it is pushed live or made available to end users. DITA map report in XML Documentation solution provide valuable information such as the missing topics, topics with missing elements, and review status of each topic. A detailed individual topic-level report also provides DITA content related information such as content references and missing images or cross-references.

*NOTE: XML Documentation solution refreshes this report on every event that results in a change in your map file or when any reference within your topic file is updated.*

Perform the following steps to view the DITA Map Report:

- 1) In the Assets UI, navigate to and click on the DITA map file for which you want to view the report.
- 2) Click **Reports**.

The screenshot shows the 'REPORTS' tab selected in the navigation bar. The 'Topic Summary' section displays statistics: TOTAL 33, MISSING 1, With Missing Elements 2, In Draft 0, In Review 15, and Reviewed 0. The 'Details' section lists topics with their file names, authors, document states, and missing elements. It includes rows for 'Missing Topics' (file: /content/dam/en/DXMLEn-User-Guide/intro-how-dxml-works.xml), 'Create a DITA project' (file: authoring-create-dita-project.xml, author: admin, state: In-Review), and 'Use Map Collection for output generation' (file: generate-output-use-map-collection-output-generation.xml, author: admin, state: In-Review).

*The Reports page is divided into two parts:*

- **Topic Summary:**

*Lists the overall summary of the selected map file. By looking at the Summary, you can quickly know the total number of topics in the map, missing topics, number of topics that have missing elements, topics' state — In Draft, In Review, or Reviewed state.*

- **Details:**

When you click on a topic, a detailed report of the selected topic is displayed.

The screenshot shows a software interface for managing a 'Personal Spaceship Operations Manual'. At the top, there are tabs for 'OUTPUT PRESETS', 'OUTPUTS', 'TOPICS', 'CONDITION PRESETS', 'BASELINES', 'REPORTS' (which is currently selected), and 'TRANSLATION'. Below the tabs, a 'Topic Summary' section displays statistics: 'TOTAL 35' and 'MISSING 3'. A breakdown of missing elements shows 'With Missing Elements 2', 'In Draft 1', 'In Review 0', and 'Reviewed 14'. The main area is titled 'Details' and contains a table with columns: 'TOPIC', 'FILE NAME', 'AUTHOR', 'DOCUMENT STATE', and 'MISSING ELEMENTS'. A row labeled 'Missing Topics' (highlighted by a red box) lists three entries: '[/content/dam/en/TravelDITA/GeneralDescription/c\_history\_of\_flight.xml]', '[/content/dam/en/TravelDITA/GeneralDescription/c\_crew\_area.xml]', and '[/content/dam/en/TravelDITA/GeneralDescription/c\_wing.xml]'. To the right of the table are two icons: 'Open in FrameMaker' (highlighted by a red box) and 'Open in Editor' (highlighted by a red box). Below the table, there are tabs for 'Images', 'Content References', 'Cross References', 'Review', and 'Used In'. Under 'Images', there are two links: '/content/dam/en/TravelDITA/media/Equation.gif' and '/content/dam/en/TravelDITA/media/HotCoolCold.gif'. The entire screenshot is annotated with labels A through E: A points to the 'Missing Topics' header; B points to the first item in the list; C points to the 'Open in FrameMaker' icon; D points to the 'Open in Editor' icon; and E points to the 'Used In' tab.

Items highlighted under A, B, C and D are described below:

## Topic

The title of the topic specified in the DITA map. Hovering the mouse pointer over the topic's title displays the complete path of the topic. If there are issues in the topic, like missing references or images, then a red dot is shown before the topic's title.

## File Name

Name of the file.

## Author

User who worked last on this topic.

## Document State

The current state of the document - Draft, In-Review or Reviewed.

## Missing Topics (B)

If there are topics with broken references, then those topics are listed under the Missing Topics list.

## Missing Elements

Lists the number of missing images or broken cross-references, if any.

## Open in FrameMaker (C)

If available, clicking this icon opens the topic in FrameMaker.

## Open in Editor (D)

Clicking this icon opens the topic in the Web Editor.

Items highlighted under **E** are described below:

#### Images

Path of images used in the topic. If you click on the image path, the corresponding image is opened in a pop-up window. Broken image links are listed in red color.

#### Content References

Path of the content referred in the topic. If you click on the title of the referred content, the corresponding topic is opened in Preview mode.

#### Cross Reference

Path of the cross-referenced content. If you click on the title of the referred content, the corresponding topic is opened in Preview mode. Broken cross-references are listed in red color.

#### Review

Shows the status of the review task of the topic. You can see the status (open or close), due date, and assignee for the topic under review. If you click the topic link, it opens the topic in review mode.

#### Used In

Shows a list of other topics or maps where the topic is used.

Besides the report for each individual topic, administrators also have access to information such as publishing history of a DITA map. For more information about the history of generated outputs, see [View the status of the output generation task](#).

## Content Reuse Report

Another useful report that you can generate is the Content Reuse Report. This report calculates the average content usage percentage, which is very useful for project managers and business owners to see the amount of content that is being reused.

*TIP: To ensure proper working of the Content Reuse Report, you must enable the post-processing workflow. Contact your system administrator for enabling post-processing workflows.*

Perform the following steps to view the Content Reuse Report:

- 1) Click on the Adobe Experience Manager link at the top and choose **Tools**.
- 2) Select **XML Documentation** from the list of tools.
- 3) Click on the **Content Reuse Report** tile.
- 4) Click **Browse** to choose a path where your topics reside or enter the path manually.

*The report is generated by scanning the content in the parent and all child folders.*

- 5) Click **Generate Report** to get the Content Reuse Report.

The screenshot shows a 'Properties' interface with a 'Reports' tab selected. A 'Generate Report' button is visible. The 'Report Summary' section displays metrics: Average Content Reuse (134%), Total Topic Count (84), Content Reuse Instances (113), and Most Reused Topics (Efficient use of resources). The 'Details' section lists three topics with their titles, sizes, statuses, reuse counts, and reference details:

TITLE	SIZE	STATUS	NUMBER OF TIMES REUSED	REFERENCED BY
Adding or editing clusters	4966	Draft	1	Integrator_admin.ditamap , master_control.ditamap
Description of jobconf command	3944	Draft	1	Integrator_admin.ditamap , master_control.ditamap
Quick Reference: basic cluster management commands	2970	Draft	1	Integrator_admin.ditamap , master_control.ditamap

*The report page is divided into two parts:*

- **Report Summary:**

*Lists the Average Content Reuse, which is calculated as Content Reuse Instances/Total Topic Count. This report takes into account all first level direct content references and topic references for calculation. The Content Reuse Instances is calculated as the sum total of values in the Number of Times Reused field. The topic that is most widely reused is also listed in the Report Summary. Clicking on the topic's link in the Most Reused Topic opens the topic's preview.*

- **Details:**

*The Details section contains the following columns:*

#### Title

The title of the topic. Clicking on the topic's title link opens the topic preview.

#### Size

Files size in bytes.

#### Status

The current state of the document - Draft, In-Review or Reviewed.

#### Number of Times Reused

Number of times the corresponding topic has been reused. This calculated as sum total of entries in Referenced By columns minus 1.

## Referenced By

The topics in which the corresponding topic has been referenced. Here, only the direct (first level) references are considered. Multiple topic are separated by comma. Clicking on the topic's title link opens the topic preview.

**NOTE:** You can also export the Content Reuse Report in CSV format. To do so, click the Export to CSV link at the top left corner of the screen and choose a location to save the CSV file. You can then open this CSV file in any CSV editor.

## Conversion Status Report

XML Documentation solution provides a robust conversion feature to convert documents of various formats into DITA. The Conversion Status Report provides a consolidated view of all conversion tasks executed by XML Documentation solution.

Perform the following steps to view the Conversion Status Report:

- 1) Click on the Adobe Experience Manager link at the top and choose **Tools**.
- 2) Select **XML Documentation** from the list of tools.
- 3) Click on the **Conversion Status Report** tile.

*The Conversion Status Report is displayed for all conversion tasks executed on the system.*

Conversion Status Report							
	FILE NAME	FILE TYPE	ADDED BY	DATE ADDED	PATH	STATUS	OUTPUT
<input type="checkbox"/> <a href="#">DOCX</a>	sampledocx	DOCX	admin	Oct 07,2017 16:09:54	/content/dam/wordfiles/sampledocx.docx	<span style="color: red;">⚠</span>	Failed
<input type="checkbox"/> <a href="#">HTML</a>	sampledocx	DOCX	admin	Oct 07,2017 16:10:19	/content/dam/wordfiles/sampledocx.docx	<span style="color: red;">⚠</span>	Failed
<input type="checkbox"/> <a href="#">XML</a>	sample2	DOCX	admin	Oct 07,2017 16:10:49	/content/dam/wordfiles/sample2.docx	<span style="color: red;">⚠</span>	Failed
<input type="checkbox"/> <a href="#">DOCBOOK</a>	sample2	DOCX	admin	Oct 09,2017 16:38:40	/content/dam/wordfiles/sample2.docx	<span style="color: green;">✓</span>	Success
<input type="checkbox"/> <a href="#">Status</a>	sample8	DOCX	admin	Oct 07,2017 16:26:00	/content/dam/wordfiles/sample8.docx	<span style="color: red;">⚠</span>	Failed
<input type="checkbox"/> <a href="#">Success</a>	sample12	DOCX	admin	Oct 07,2017 16:34:08	/content/dam/wordfiles/sample12.docx	<span style="color: red;">⚠</span>	Failed
<input type="checkbox"/> <a href="#">Failed</a>	sample16	DOCX	admin	Oct 07,2017 16:47:49	/content/dam/wordfiles/sample16.docx	<span style="color: red;">⚠</span>	Failed
<input type="checkbox"/> <a href="#">Active</a>							
<input type="checkbox"/> <a href="#">Queued</a>							

- 4) The report page is divided into two parts:

- **Filter:**

You can filter the report data on the basis of File Type and conversion Status. In the File Type, you can choose to see the report data for Word document, structured HTML, XML, and DocBook type of documents. In the Status, you can choose to see the report data for tasks that have executed Successfully, Failed, Active, or Queued.

The following screenshot displays the report data for conversion tasks that have Failed, Active, and Queued status.

Conversion Status Report							
	FILE NAME	FILE TYPE	ADDED BY	DATE ADDED	PATH	STATUS	OUTPUT
<input type="checkbox"/> DOC	<a href="#">sample8</a>	DOC	admin	Sep 21,2017 16:28:16	/content/dam/wordfiles/multiple_uploads /sample8.docx/jcr:content/renditions/original	<span>●</span> Active	Processing
<input type="checkbox"/> HTML	<a href="#">sample9</a>	DOC	admin	Sep 21,2017 16:23:52	/content/dam/wordfiles/multiple_uploads /sample9.docx/jcr:content/renditions/original	<span>○</span>	Queued
<input type="checkbox"/> XML	<a href="#">Mitel 6930 SIP Phone Rls 5.0.0 User Guide</a>	HTML	admin	Sep 22,2017 11:54:55	/content/dam/wordfiles/Mitel 6930 SIP Phone Rls 5.0.0 User Guide.docx/jcr:content/renditions/original	<span>▲</span> Failed	
<input checked="" type="checkbox"/> Failed							
<input checked="" type="checkbox"/> Active							
<input checked="" type="checkbox"/> Queued							

- **Report data:**

The report data contains the following columns:

#### File Name

Name of the source file on which the conversion process was executed. Clicking on the File Name link takes you to the source document location.

#### File Type

Type of the source document, which could be Word, structured HTML, XML, and DocBook.

#### Added By

Name of the user who executed the conversion task.

#### Date Added

Date on which the task was executed. Clicking on the Date Added link downloads the log file.

#### Path

Complete path of the source document.

#### Status

Status of the conversion tasks - Success, Failed, Active, or Queued.

#### Output

Path of the successfully converted document. Clicking on the Output link takes you to the location where the output is saved.

## Reverted files version history report

When you are working on multiple simultaneous releases along with multiple authors, your content is bound to have multiple versions. There could be some common information across multiple releases, which different authors could use in their project. To handle such work assignments, authors could end up with multiple versions of files. Such versions could simply be a newer version of a file or a revert to an earlier version. It is a complex task to identify when a file was reverted and why.

XML Documentation solution allows you to generate a version history report for an individual file or for all files in a folder. This version history gives you a consolidate view of all versions of a file that were reverted and who created those versions and the reason for creating those versions.

You can access this report from the following places:

- **Assets UI:** by selecting a file and opening the **Version History** from the left rail. The **Version History** view contains the **Revert Version Logs** link at the bottom of the panel. When you click on this link, the selected file's history of the reverted versions is displayed.

The screenshot shows the 'Version History' panel in the AEM Assets UI. It displays four versions of a file:

- 1.0: 5/14/2019, 5:03:36 PM by fmdita-serviceuser
- 1.1: 7/4/2019, 12:47:18 PM by admin  
Apply bulk tags
- 1.2: 7/4/2019, 12:47:36 PM by admin  
Apply tags on individual topics
- 1.3 (Current): 7/4/2019, 12:47:59 PM by admin  
Remove, and show, hide topics

At the bottom of the panel, there is a blue button labeled 'Revert Version Logs'.

- **Topic preview:** when you are previewing a topics, there also you can bring up the **Version History** panel from the left rail. You will get a panel similar to the Assets UI from where you can click the **Revert Version Logs** link to access the reverted version history of the active document.
- **AEM's Tools section:** you can also access this report from AEM's Tools section. The following procedure explains how you can access the revert version history from the AEM's Tools section.

Perform the following steps to access the Revert History report:

- 1) Click on the Adobe Experience Manager link at the top and choose **Tools**.
  - 2) Select **XML Documentation** from the list of tools.
  - 3) Click on the **Version Revert History** tile.
- A blank Revert Version History page is displayed wherein you need to browse to and select a file or folder to generate the report.*
- 4) Click **Show Logs** to generate the report for the selected file or folder.

FILENAME	TIMESTAMP	USER	REVERT FROM	REVERT TO	COMMENT
DITAVAL editor	7/4/2019, 11:49:16 AM	admin	1.2.0	1.1	Reverted to this version for ABC changes
About XML Documenta...	7/4/2019, 11:44:56 AM	admin	1.2.0	1.2	Reverting to version 1.2 for XYZ

*The report contains the following details:*

#### File Name

The title of the topic. Clicking on the topic's title link opens the topic preview.

#### Time Stamp

The date and time when the topic was reverted to an earlier version.

#### User

Name of the user who reverted to an earlier version.

#### Revert From

The original version number of the file from where it was reverted.

#### Revert To

The version to which the file was reverted to.

#### Comment

Any comment given by the user who reverted the file.

---

# Appendix

This appendix provides best practices for working with XML Documentation solution for Adobe Experience Manager. Following these best practices will help you set up, organize DITA content, publish content, and develop processes around content creation, management, and publishing.

The information in this topic is intended for the following type of audiences:

- Authors, who are responsible for creating DITA content
- Publishers, who would run the publishing task to generate output in various formats

## File names

- Avoid spaces, apostrophe, or braces in filenames to simplify file references in your content. Remember that all references in DITA should be valid URLs. Having spaces in a filename will require references to be URL-encoded.
- Avoid non-ASCII characters in filenames. Use only alphanumeric filenames with underscore and hyphens.
- Avoid using `.xml` and instead use `.dita` file extension for your DITA files. Though doing this is not required, it has several benefits:
  - Using `.dita` file extension makes the files easier to recognize.
  - During the publish process, several other `.xml` files might get generated to contain the metadata related to the publishing process. Using `.dita` extension avoids any confusion with the generated files, and also avoids the possibility of publishing process overwriting one of the topic files.
  - Compulsorily use `.ditamap` or `.bookmap` extension for your map files. Not doing this will result in failures during publishing. For more information about DITA map, see [What is DITA map?](#) in OASIS documentation.

## Folder hierarchy

- Adobe Experience Manager is designed to work best with hierarchical content repository. Having too many (*say, a thousand*) files at the same level or within a single folder might lead to poor user experience and performance.
- Have well-categorized folder structure for storing large number of files. For example, if your guide contains hundreds of files, then create folders for each chapter within your guide and place all chapter-related files in respective folders.

## References

- Avoid having broken references.
- Broken references at top level in your DITA map hierarchy might cause complete failure of AEM Site publishing. This is because the references affects how temporary directories are created during publishing.
- It is ideal to have DITA map as the topmost entity in the entire content tree. If the content is organized such that the topics and other content is present at sibling or higher level, than DITA-OT might fail to handle such content.

*DITA-OT does provide an argument `generate.copy.outer`, whose value can be set to 3 in DITA-OT command line arguments and it could successfully handle some cases. However, it does not handle all cases of up-level references.*

*In such cases, it is best to define another DITA map that is a level above the highest folder level of all the referenced content and let that DITA map refer to the original DITA map. Then, use this highest level DITA map to publish your content.*

## Modular authoring

- Use modular authoring approach wherein one topic represents one concept or subject.
- Modularized topics are easier to reuse across various documents.
- Use sub-maps to better organize your content. For example, if there is one user guide, you can have multiple sub-maps for each top-level topics, and each sub-section within a sub-map can be one DITA topic.
- Using a single large topic file becomes hard to maintain and pose challenges in reusing content.

## Versioning of content

- For checking-in or out multiple files together, make sure all selected files are in the same state - checked-in or checked-out. Similarly, all selected files you wish to check-in should be checked-out by the same user.
- If auto check-in or check-out configuration is on, then the only way to check-in a checked-out file is by closing the file in the web editor.

- The file check-out and check-in button is always shown in toolbar even if auto-configuration is enabled. The only difference with auto-configuration enabled is when a user opens the file in the web editor, it is automatically checked-out.

## Publishing unstructured FrameMaker documents

- The custom `.sts` file for HTML publishing should be of the same FrameMaker version as that of the FrameMaker Publishing Server.
- The `joboptions.xml` file located at `/libs/fmdita/config/` should not be empty. This file specifies distiller job options to be used for PDF creation of unstructured files.

## Baseline

- Do not remove a baseline that is used in any output preset. Trying to generate output using a deleted baseline would result in a failure.
- If different versions of an asset are referenced in different topics and if that referenced file is picked automatically, the latest version of the referenced file will be used while publishing. Make sure that same version for such asset is referenced everywhere to avoid undesirable results in published outputs.

## AEM Site publishing

### Page naming

Till XML Documentation solution version 2.0, all generated site page names were in lowercase. Starting from XML Documentation solution version 2.1, site page names have same case as the corresponding DITA filename. So anyone upgrading from 2.0 to a later version might need to modify external links to their site pages to take care of case changes.

### Activation to publish instance

When AEM Site output is generated with **Delete and Create** option selected for the **Existing Output Pages** setting, then the previously generated output is first deleted and then pages are re-created. If replication agent is configured on author instance to automatically replicate all changes to AEM site pages to publish instance, then it is possible that by the time pages get re-created, page deletion event is propagated on the publish instance by the replication agent. In that case, the AEM site pages will be marked **deactivated** on the publish instance.

## AEM Site page creation logic

If you are re-publishing some content after changing the **Design Path** setting to a different template, it is recommended to either publish to a different destination or select the **Delete and Create** setting to avoid inconsistent output.

## AEM Site templates

You can customize the site template to control the structure of the created pages and also the existence of the default search and landing pages. See the *Customize AEM Site output design template* section in the XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

## Concurrent publishing of the same DITA map

This should be done only at different destination paths. If there are two or more publishing workflows writing to a common destination path, some or all of them might fail and the consistency of the published content is not guaranteed.

## Guidelines on creating and overwriting output

When you publish your output in AEM Site format, then you have an option to manage existing pages in the destination. When you select **Overwrite Content** option in the **Existing Output Pages** setting, then for any existing page in the destination, XML Documentation solution recreates its `contentnode` and `headnode`. Then the new content is written in the newly created nodes. This option does not create any new revision of page.

The **Delete and Create** option in the **Existing Output Pages** setting deletes any existing pages in the destination path and then publishes the new content.

## Sub-node publishing

XML Documentation solution supports non-destructive publishing, so that you can combine the published DITA content with content created through other means in a page. For this to work, it is important that your DITA map structure mirrors your site structure and the topic filenames match the page names (case-sensitive since version 2.1). Once you have your site structure and the corresponding DITA map hierarchy ready, you can configure the AEM Site template for this purpose:

- Use the `topicContentNode` and `topicHeadNode` properties of your AEM Site template node to specify the node paths where you want DITA content to be published.
- During publishing, XML Documentation solution cleans these nodes of any existing content and publishes new content in them without touching any other nodes in the page structure.
- You must select the **Overwrite Content** option in the **Existing Output Pages** setting in AEM Site preset so that XML Documentation solution does not delete and recreate the whole page.
- For more details about the Site template node and its properties, See the *Customize AEM Site output design template* section in the XML Documentation for Adobe Experience Manager Installation and Configuration Guide.

---

# Other recommendations

This topic contains information about various other tasks and workflows that you can optimize.

## Permissions

To give a user permissions to use the XML Documentation solution's all capabilities and generate output in a specific format, you can add that user to the `Publishers` group created by XML Documentation solution. This ensures that the user has full access to all XML Documentation solution publishing functionalities.

In addition to above permissions, read/write access to specific DAM folders can be configured for a user as per your requirements from the `useradmin` interface.

## Translation

- Component-based translation can be used even when the translation vendor does not support XML/DITA translation. However, asset metadata translation needs to be supported by the translation vendor. The Component-based translation is recommended only for machine-based translation process. For human translation, disable the Component-based translation option in the ConfigMgr.
- When component-based translation is enabled, references to assets in the source DITA file are automatically changed to point to the same asset under the destination language folder.
- Any common content that does not require translation should be stored outside of any language folder. This ensures that references from language copies to the shared content is relative. This helps in maintaining language copies and ensures that no patching of references is required when creating or updating language copies.
- The translation tab in the DITA map console of a DITA map shows all the assets reachable from this DITA map including any non-DITA assets like images or videos.
- When translating non-DITA assets, it is necessary to make sure that the asset properties that need to be translated are present in  
`/etc/workflow/models/translation/translation_rules.xml`.
- When translating assets using the translation tab in the DITA map console, it is imperative to accept or reject the translated content using the Accept or Reject buttons in the translation project.
- As accepting and rejecting translated files is a system-intensive process, you should accept or reject only a few 100 files at a time.

## Map Editor

- Keys redefined in a DITA map are shown in red in the Map Editor. Clicking on the key scrolls the page to the previously defined key.
- In a normal map, DITA maps dropped from the References rail are added as a *mapref* while topics are added as *topicref*.

## Review

- If you have shared a document for review and you make some updates in the same document, the changes will not be seen by the reviewers until you Save a Revision of your document
- If you move a topic which is under review, then the links within the topic will break. You must Save a Revision of your topic after moving it, so that the links do not break.

## FrameMaker integration

- Users need to have read permission on root (" / ") node of AEM repository to successfully connect to AEM repository from FrameMaker.
- The file check-in behavior in FrameMaker (2017 release) Update 1 is different from the file check-in experience in the XML web editor. In FrameMaker, when a checked out file is checked back in, the changes are not saved in the latest persisted version, but they are saved in the Latest version that does not have a version number associated with it. This behavior will be changes in the upcoming update for FrameMaker.