

# Oxygen Diff with ~~Change~~ Tracking



Octavian Nadolu, Syncro Soft  
octavian.nadolu@oxygenxml.com  
@OctavianNadolu

© 2023 Syncro Soft SRL. All rights reserved.

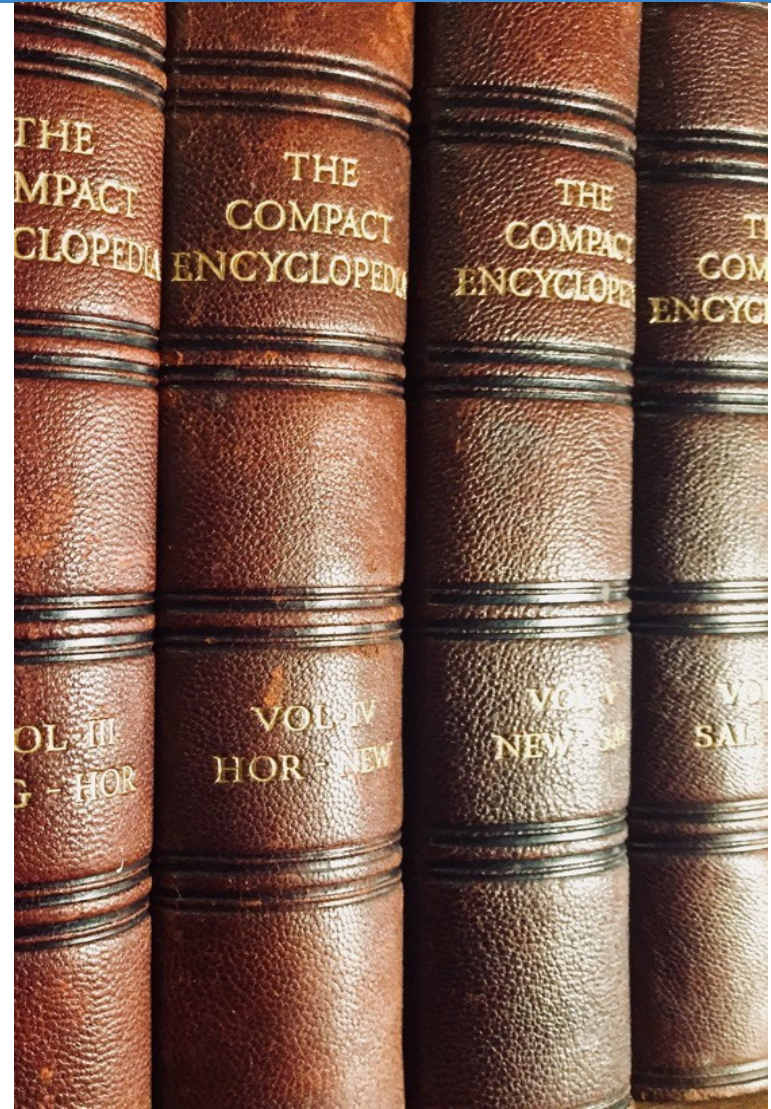
## Agenda

- **Overview** of the Oxygen Compare and Merge Support
- **Documents Comparison** and Merge Using Change Tracking
- **Directory Comparison** and Merge Using Change Tracking
- **Automate the Compare and Merge** using Oxygen Scripting



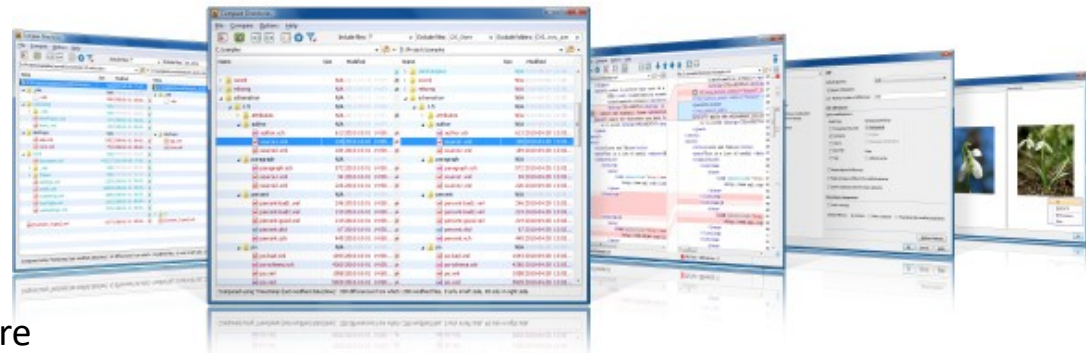
## Compare and Merge

- **Compare documents** – identify changes between two versions of the same document
- **Merge documents** - uniting two documents into a single one



# Compare and Merge Support in Oxygen

- Compare and Merge Files
  - Text and Visual Author Compare
  - Three-Way Comparisons
  - XML Diff Algorithms
- Compare and Merge Directories
  - Binary, Timestamp, and Content Compare
- Generating File or Directory Comparison HTML Reports
- Merge Documents with Change Tracking Highlights\*
- Merge Directories with Change Tracking Highlights\*
- Compare and Merge Files/Directories Command-Line Scripts\*



## Products Offering Compare and Merge Functionality

- Products where the compare and merge support is available:

- Oxygen XML Editor
- Oxygen XML Author
- Oxygen XML Developer
- Oxygen JSON Editor
- Oxygen XML Web Author
- Oxygen Content Fusion
- Oxygen Scripting



## Compare and Merge Support in Oxygen

- Available actions in Oxygen XML Editor/Author/Developer or JSON Editor:
  - Compare and Merge Files
  - Compare and Merge Directories
  - Generating File or Directory Comparison HTML Reports
  - Merge Files or Directories with Change Tracking Highlights



## Compare and Merge Support on Web

- Available actions in Oxygen XML Web Author or Content Fusion:
  - Compare with latest version from repository
  - Compare with another file
  - Merge differences from a file



## Automate Compare and Merge

- Command line actions available in Oxygen Scripting:

- Compare and Merge Files
- Compare and Merge Directories
- Merge Files with Change Tracking Highlights\*
- Merge Directories with Change Tracking Highlights\*
- GitHub Template/Actions for Compare and Merge  
<https://github.com/oxygenxml/oxygen-script-comparison-template>



[oxygenxml.com/oxygen\\_scripting.html](https://oxygenxml.com/oxygen_scripting.html)

[oxygenxml.com/doc/ug-editor/topics/scripting\\_oxygen.html](https://oxygenxml.com/doc/ug-editor/topics/scripting_oxygen.html)



Question: What Oxygen Diff tools do you use or intend to use?

- ❑ Compare and Merge Files/Directories
- ❑ Merge File/Directories with Change Tracking
- ❑ Web Author Comparison
- ❑ Generate Comparison HTML Reports
- ❑ Compare and Merge Scripts



## Compare in Author Mode

Displaying the differences directly in the Author page is more helpful and appealing

- Easier to visualize the changes
- Focus on the content
- Ignore the changes that are not presented in output



## Author vs. Text

See only relevant changes vs. See all changes from the document

Focus on the content vs. See also the code markup

See track changes vs. See some processing instructions

See the table layout vs. See the tags from a table

See the images vs. See some link URLs



# Author

Introduction	Introduction
<p>With just a little bit of care and preparation, any flower garden can be a vibrantly colored environment. Flowers can be selected for specific blooming seasons, colors and shapes. Both annual and perennial flower gardens can be planted depending on climate and specific needs.</p>	<p>With just a little bit of care and preparation, any flower garden can color the environment. Flowers can be selected for specific blooming seasons, colors and shapes. Both annual and perennial flower gardens can be planted depending on specific needs.</p>
<p>Read more about growing flowers here:</p> <ul style="list-style-type: none"> <li>✎ <a href="#">Flower garden</a></li> <li>✎ <a href="#">Raised-bed gardening</a></li> </ul>	<p>Read more about growing flowers here:</p> <ul style="list-style-type: none"> <li>✎ <a href="#">Flower garden</a> - is a form of gardening in which the soil is formed in three-to-four-foot-wide</li> <li>✎ <a href="#">Raised-bed gardening</a></li> </ul>

# Text

6 <section>	<body>	5
7 <title>Introduction</title>	<section>	6
8 <p>With just a little bit of care and preparation, any 9 flower garden can be a vibrantly 10 colored environment. Flowers can be selected for 11 specific blooming seasons, colors and 12 shapes. Both annual and perennial flower gardens can be 13 planted depending on climate and 14 specific needs.</p>	7 <title>Introduction</title> 8 <p>With just a little bit of care and preparation, any 9 flower garden can color the 10 environment. Flowers can be selected for specific blooming 11 seasons, colors and shapes. Both 12 annual and perennial flower gardens can be planted 13 depending on specific needs.</p>	7 8 9 10
2 <p>Read more about growing flowers here:</p>	11 <p>Read more about growing flowers here:</p>	11
3 <ul id="read_more_list">	12 <ul id="read_more_list">	12
4 <li><xref	13 <li><xref	13
5 href="http://en.wikipedia.org/wiki/Flower_garden" format="html"	14 href="http://en.wikipedia.org/wiki/Flower_garden" format="html"	14
6 scope="external"	15 scope="external"	15
15 >Flower garden</xref></li>	14 >Flower garden</xref> - is a form of gardening in	14
8 <li><xref	14 which the soil is formed in	14
6 href="http://en.wikipedia.org/wiki/Raised-bed_gardening"	15 three-to-four-foot-wide</li>	15

# Author with Change Tracking Highlights

Flowers

colspecs...

Flower	Type	Soil
Chrysanthemum	perennial	well drained
Gardenia	perennial	<a href="#">acidic</a>
Gerbera	annual	sandy, well-drained
Iris	<a href="#">annual</a> <del>perennial</del>	<a href="#">slightly acidic</a>

Flowers by Season

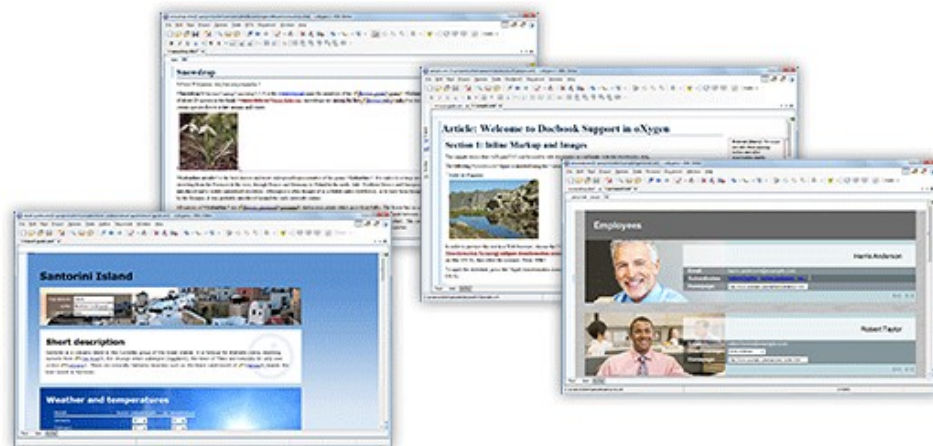
The various climatic changes that occur in cyclic pattern are termed as 'Seasons'. There are four general seasons occurring on Earth - Spring, Summer, Autumn and Winter.

- Spring Flowers
  - Iris - is a genus of between 200-~~30300~~ species of flowering plants with showy flowers.
    - Irises are extensively grown as ornamental plants in home [and botanical gardens](#).
    - Some rhizomes are traded as orris root and are used in perfume and medicine, though more common in ancient times than today.

# Author Mode Frameworks

Compare in Author mode is available for:

- DITA
- DocBook
- XHTML
- TEI
- Any framework that has a CSS for the Author page

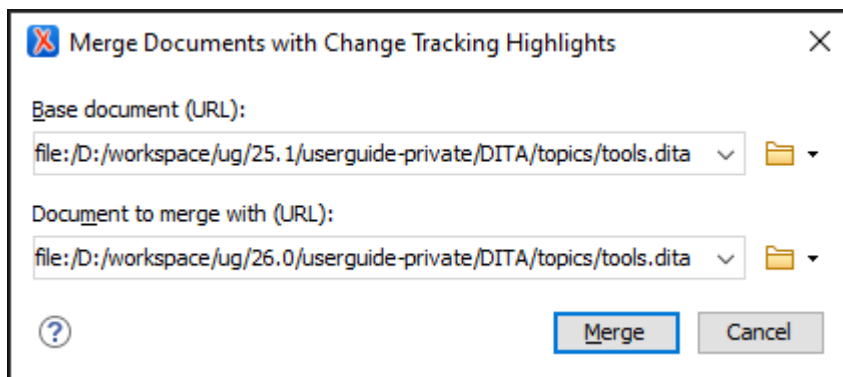


## Oxygen Diff with ~~Change~~ Tracking

- Merge Documents with Change Tracking Highlights
- Merge Directories with Change Tracking Highlights

## Merge Documents with Change Tracking Highlights

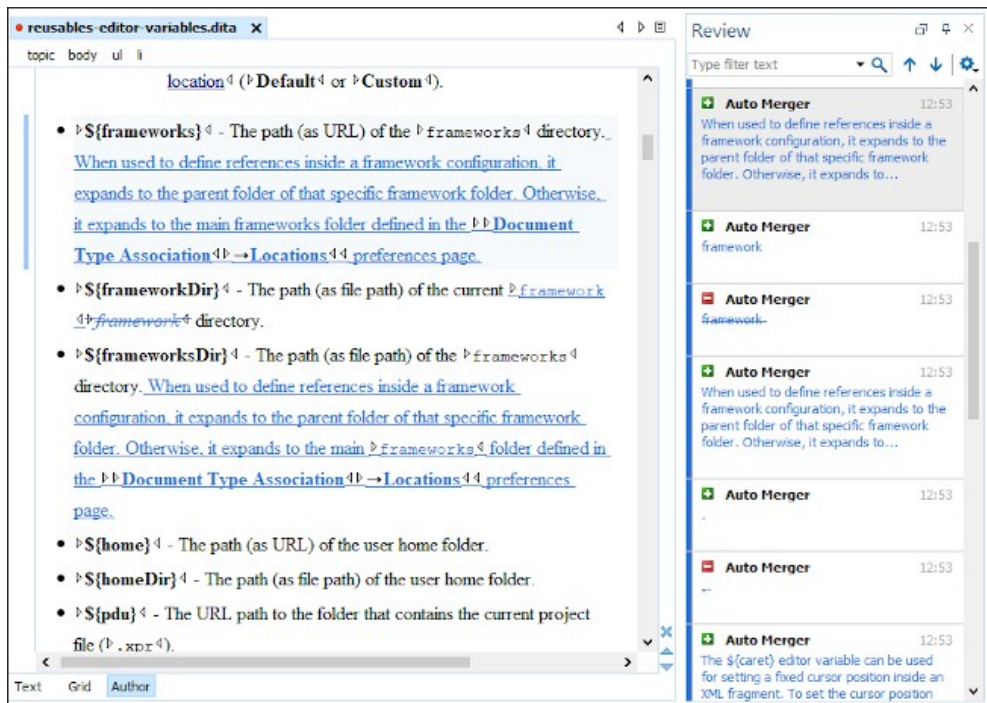
- Compare two versions of a document
- Generate a merged document with the change tracking highlights





# Document with Change Tracking Highlights

- Visualize changes in the Author mode
- Accept or reject the changes using review actions



# Publish Document with Change Tracking Highlights

- Publish the merge document with change tracking highlights in HTML

## ▼ Migrating DocBook Content to DITA. [🔗](#)

You can migrate one or multiple DocBook documents to DITA using the **Oxygen [1]** **Batch [1][2] Resources [2] [3] Documents [3] Converter** add-on:  
<https://www.oxygenxml.com/doc/ug-editor/topics/batch-converter-addon.html>.

The **DocBook to DITA** conversion contains an option named **Create DITA maps from DocBook documents containing multiple sections**. When this option is selected, all sections from your DocBook document will be separated into individual DITA topics and referenced in a DITA map.

## ▼ Migrating Microsoft Word Content to DITA [🔗](#)

The Oxygen XML User Manual has a detailed topic enumerating the possibilities to convert Microsoft Word content to DITA:  
<https://www.oxygenxml.com/doc/ug-editor/topics/ooxml-to-dita.html>.

## ▼ Migrating Excel Content to DITA [🔗](#)

You can use Oxygen's *Smart Paste* functionality to copy content

[1]Auto  
Merger

<<insert>>

2023/11/22

[2]Auto  
Merger

Resources

2023/11/22

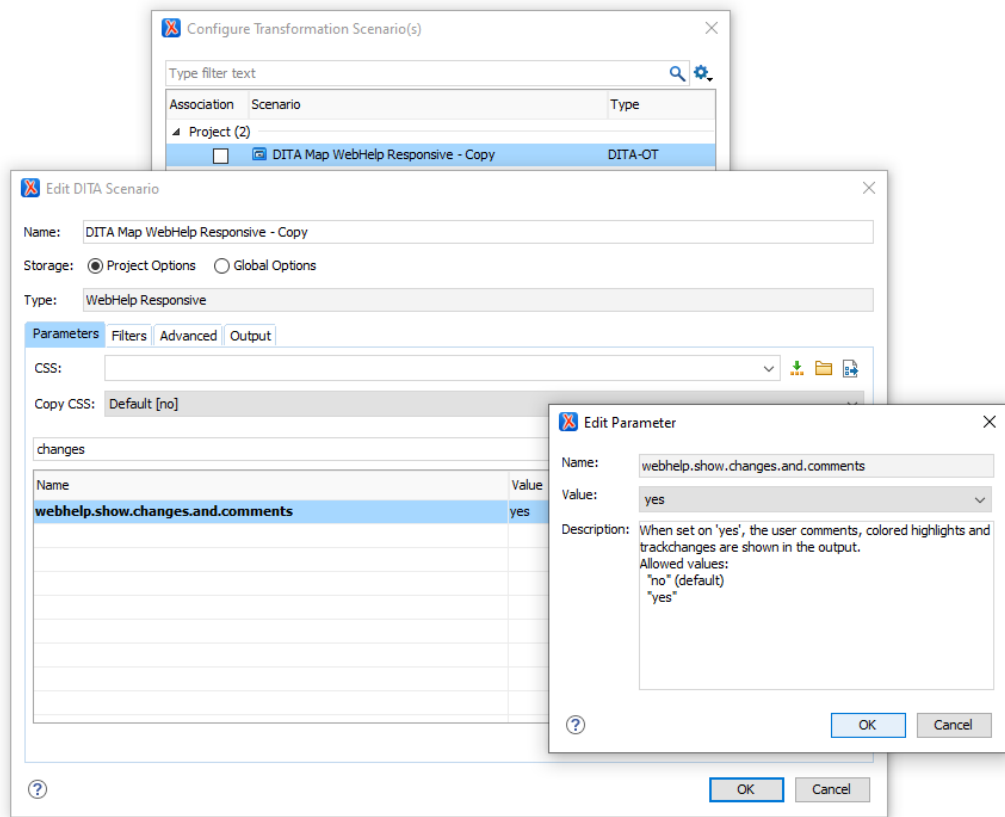
[3]Auto  
Merger

<<insert>>

2023/11/22

# Publish HTML with Change Tracking Highlights

- Set the “webhelp.show.changes.and.comments” parameter



# Publish Document with Change Tracking Highlights

- Publish the merge document with change tracking highlights in PDF

## Migrating Various Document Formats to DITA

Most companies do not start new DITA-based projects from scratch. They already have content written in various other formats and somehow they need that content converted to DITA. In this blog post, I will offer some conversion advice depending on the format of your current project.

### Migrating DocBook Content to DITA.

You can migrate one or multiple DocBook documents to DITA using the

Oxygen **Batch** **Resources** **Documents** Converter

add-on: <https://www.oxygenxml.com/doc/ug-editor/topics/batch-converter-addon.html>.

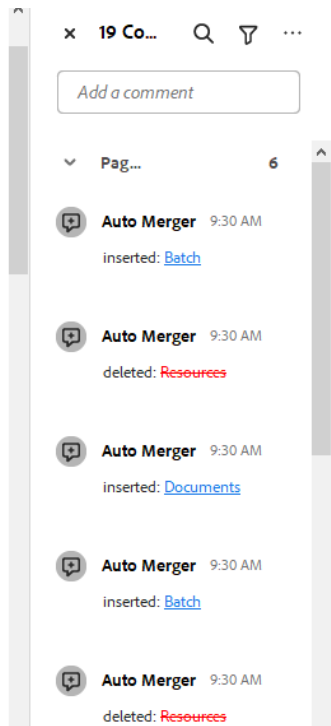
The **DocBook to DITA** conversion contains an option named **Create DITA maps from DocBook documents containing multiple sections**. When this option is selected, all sections from your DocBook document will be separated into individual DITA topics and referenced in a DITA map.

### Migrating Microsoft Word Content to DITA

The Oxygen XML User Manual has a detailed topic enumerating the possibilities to convert Microsoft Word content to DITA: <https://www.oxygenxml.com/doc/ug-editor/topics/ooxml-to-dita.html>.

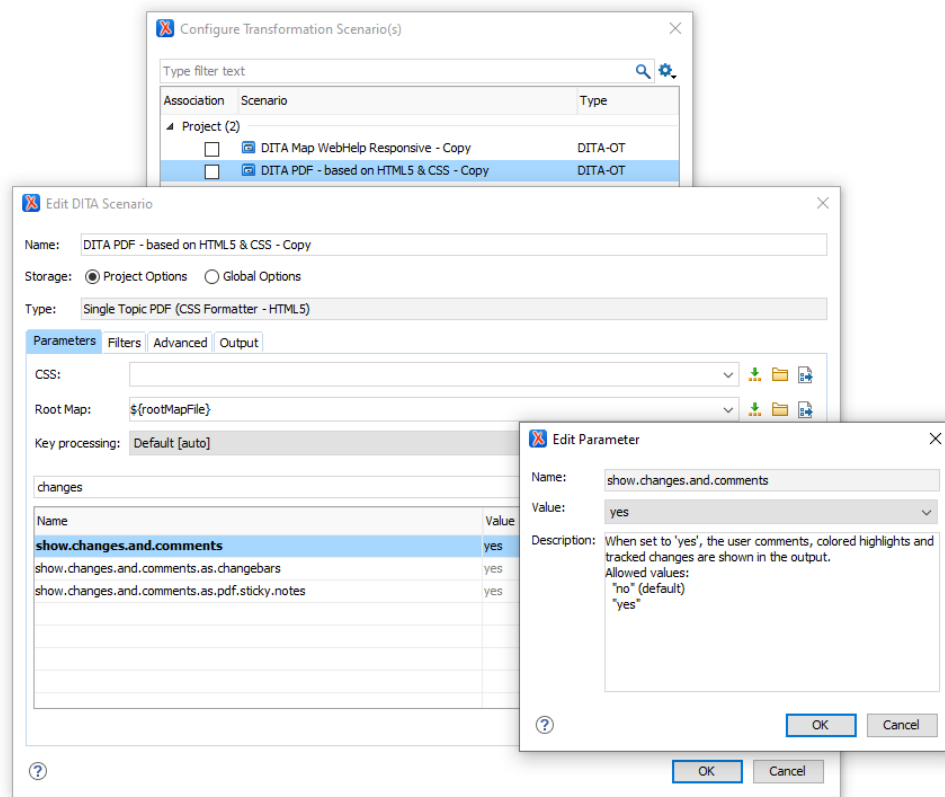
### Migrating Excel Content to DITA

You can use Oxygen's *Smart Paste* functionality to copy content from an Excel spreadsheet and paste it



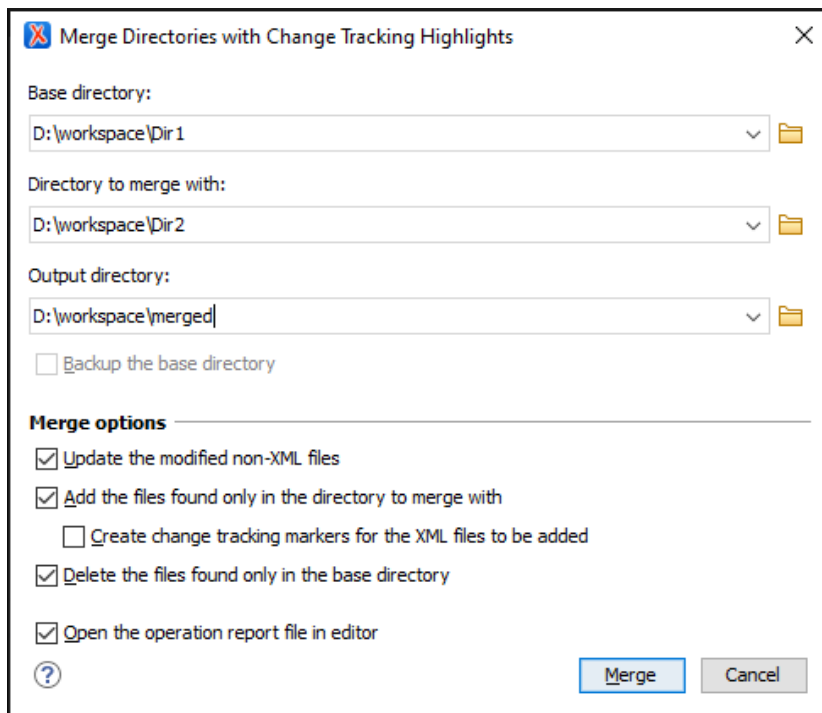
# Publish PDF with Change Tracking Highlights

- Set the “show.changes.and.comments” parameter



# Merge Directories with Change Tracking Highlights

- Compare two versions of a project
- Generate a merged result with the change tracking highlights



# Merge Directories with Change Tracking Highlights

- Merge options:
  - Backup the base directory
  - Update the modified non-XML files
  - Add the files found only in the directory to merge with
  - Create change tracking markers for the XML files to be added
  - Delete the files found only in the base directory
  - Open the operation report file in editor

[oxygenxml.com/doc/ug-editor/topics/merge-dirs-with-change-tracking-highlights.html](http://oxygenxml.com/doc/ug-editor/topics/merge-dirs-with-change-tracking-highlights.html)

# Merge Directories with Change Tracking Highlights

- Visualize changes in the Text mode

```
<?xml version="1.0" encoding="UTF-8"?>
<mergeOperationReport>
  <filesModified filesNo="184">
    <XMLFiles filesNo="172" merged="YES">
      <filesSuccessfullyMerged filesNo="172">
        <URL>file:/D:/workspace/ug/merged/DITA/maps/chapter-add-ons.ditamap</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/maps/chapter-add-ons.ditamap</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/maps/chapter-add-ons.ditamap</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/maps/chapter-installation.ditamap</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/maps/dcpp.ditamap</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/maps/keydefs.ditamap</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/maps/whr-customization-guide.ditamap</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/reusables/topics/reusable-oxygen-shortcuts-list.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/reusables/topics/reusables-author-for-dita.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/reusables/topics/reusables-cf.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/reusables/topics/reusables-editing-documents.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/reusables/topics/reusables-preferences-pages.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/reusables/topics/reusables-user-guide.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/reusables/topics/reusables-webauthor-customisation.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/account_management.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/add-ons.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/adding-libraries-fop-dita-ot.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/apply-styles.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/assign_task_to_new_owner.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/author-contextual-menu.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/author-dita.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/author-editing-tables-dita.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/author-editing-tables-docbook.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/author-editing-tables.dita</URL>
        <URL>file:/D:/workspace/ug/merged/DITA/topics/author_guide.dita</URL>
```



# Merge Directories with Change Tracking Highlights

- Visualize changes in the Author mode

## Merge operation report

Files modified:

XML files

Files successfully merged:

- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/presentation-reuse/reuseSimilarProducts.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/migrating\_word\_to\_dita\_bdc/frequently\_asked\_questions.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/migrating\_word\_to\_dita\_bdc/preparing\_word\_document\_for\_migration.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/adding\_cals\_table\_related\_functionality\_to\_your\_custom\_oxygen\_framework.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/blog\_2022\_retrospective.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/dita\_for\_small\_teams.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/learnDita.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/migrating\_to\_dita.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/publishing\_dita\_content\_using\_a\_markdown\_static\_web\_site\_generator.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/topics/welcome.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/blog/blog-merged/oxygen\_xml\_blog.ditamap

# Publish Report in HTML

- Publish the report with change tracking highlights HTML format

Home / Flowers by Season / Winter Flowers / Gerbera


<

- Flowers by Season
  - Spring Flowers
    - Iris
    - Snowdrop
  - Summer Flowers
    - Gardenia
    - Lilac
  - Autumn Flowers
    - Chrysanthemum
    - Salvia
  - Winter Flowers
    - Gerbera

## Gerbera

*From Wikipedia, the free encyclopedia.*

**Gerbera** is a genus of ornamental plants from the sunflower family (**Asteraceae**). It was named in honor of the German naturalist Traugott Gerber<sup>[1]</sup> ~~(1710-1743) who travelled extensively in Russia and was a friend of Carl Linnaeus~~<sup>[1]</sup>.



<sup>[2]</sup> ~~← Maybe we can add more pictures here... →~~<sup>[2]</sup>

It has approximately 30 species in the wild, extending to South America, Africa and tropical Asia. The first scientific description of a **Gerbera** was made by J.D. Hooker in Curtis's Botanical Magazine in 1889 when he described **Gerbera jamesonii**, a South African species also known as **Transvaal daisy** or **Barberton Daisy**.

<sup>[1]</sup>Auto Merger  
(1710-1743) who travelled extensively in Russia...  
2023/11/24

<sup>[2]</sup>Auto Merger  
← Maybe we can add more pictures here... →  
2023/11/24

# Publish Report in PDF

- Publish the report with change tracking highlights PDF format

The screenshot displays a PDF report with a table of contents on the left and a comment thread on the right. The table of contents lists chapters and sections with their respective page numbers. The comment thread shows several entries from 'Auto Merger' with timestamps and inserted text.

Section	Page
Chapter 2. Care and Preparation.....	5
Pruning.....	5
Garden Preparation.....	6
Chapter 3. Flowers by Season.....	7
Spring Flowers.....	7
Iris.....	7
Snowdrop.....	9
Summer Flowers.....	10
Gardenia.....	10
Lilac.....	11
Autumn Flowers.....	12
Chrysanthemum.....	13
Salvia.....	14
Winter Flowers.....	15
Gerbera.....	15
Chapter 4. Glossary.....	17
Genus.....	17

Comment Thread:

- 40 Comments
- Page 2 (2 comments)
- Auto Merger 5:30 PM: inserted: [GardeniaLilac](#)
- Auto Merger 5:30 PM: inserted: [Salvia](#)
- Page 3 (1 comment)
- Page 4 (9 comments)
- Auto Merger 5:30 PM: inserted: [little](#)
- Auto Merger 5:30 PM: inserted: [At](#)
- Auto Merger 5:30 PM: deleted: [!](#)
- Auto Merger 5:30 PM: (no text)

## Diff with Change Tracking Remarks

- All the existing track changes from the compared documents are accepted before starting the merge process
- The modifications made to the DOCTYPE are automatically merged and do not include track change highlighting

# Automate Compare and Merge



## Merge Files Script

Merge files and generate the merged result with change tracking highlights



File comparison

## Merge Files with Change Tracking

- Compare two documents and generates a merged document
- Results are saved as documents with highlighted tracked changes that can later be reviewed and accepted or rejected

```
sh mergeFilesTrackChanges.sh pathOfBaseFile pathOfFileToMergeWith  
[[pathOfOutFile] [-nb noBackupOfBaseFile]] [-help | --help | -h | --h]
```

# Arguments for the Compare Files with Change Tracking

**pathOfBaseFile** - Mandatory argument that specifies the path of the base file

**pathOfFileToMergeWith** - Mandatory argument that specifies the file to merge with

**pathOfOutFile** - Optional argument that specifies the path of the file where the merge results are saved to

**-nb noBackupOfBaseFile** - Set to true if you do not want a backup copy of the base file on the hard disk

**-help | --help | -h | --h** - Displays help text.

[oxygenxml.com/doc/ug-editor/topics/merge-files-change-tracking.html](http://oxygenxml.com/doc/ug-editor/topics/merge-files-change-tracking.html)



# Merge Files Result

Example of generating a merged file “flowers-merged.xml” using the script

```
mergeFilesTrackChanges flowers.xml flowers-revieded.xml flowers-merged.xml
```

## Growing Flowers

### Introduction

With just a little bit of care and preparation, any flower garden can [colorbe thea vibrantly-colored](#) environment. Flowers can be selected for specific blooming seasons, colors and shapes. Both annual and perennial flower gardens can be planted depending on [climate-and](#) specific needs.

Read more [about growing flowers](#) here:

- ▶ [Flower garden](#)<sup>4</sup> *is a form of gardening in which the soil is formed in three-to-four-foot-wide*
- ▶ [Raised-bed gardening](#)<sup>4</sup>
- ▶ [Compost](#)<sup>4</sup>

Most of the information was taken from ▶ <http://www.wikipedia.org/><sup>4</sup> *the free encyclopedia*

### Care and Preparation

When caring for your flower garden you want to feed your plants properly, control pests and weeds. Good soil is a must to successful gardening, landscaping, and healthy flowers. You have to balance the soil structure with nutrients and regulate the pH to cover your plants' needs. And above all, remember that many flower gardens fail because they just don't get enough of your attention.

### Flowers

▶ [colspecs...](#)

Flower	Type	Soil
Chrysanthemum	perennial	well drained
Gardenia	perennial	<a href="#">acidic</a>
Gerbera	annual	sandy, well-drained
Iris	<a href="#">annual/perennial</a>	<a href="#">slightly acidic</a>

## Compare Files Script Result

Can be used to:

- Verify if the documents are modified
- Visualize the changes from the document
- Publish the document with changes
- Executed from CI/CD pipelines

## Merge Directories Script

Merge directories and get the results with change tracking highlights



Directory comparison

## Merge Directories with Change Tracking

- Compare two directories and generates a merged result
- The XML documents are saved as documents with highlighted tracked changes that can later be reviewed and accepted or rejected

```
sh mergeDirsTrackChanges.sh pathOfBaseDir pathOfDirToMergeWith [[pathOfOutDir]
[-nb noBackupOfBaseDir] [-nu noUpdateOfModifNonXMLFiles] [-na
noAddingFilesOnlyPresentInDirToMergeWith] [-nd noDeletionOfFilesOnlyPresentInBaseDir]
[-cm createChangeTrackingMarkersForAddedXMLFiles]] [-help | --help | -h | --h]
```

# Arguments for the Compare Files with Change Tracking

**pathOfBaseDir** - Mandatory argument that specifies the path of the base directory

**pathOfDirToMergeWith** - Mandatory argument that specifies the directory to merge with

**pathOfOutDir** - Optional argument that specifies the path of the directory where the merge results are saved to

**-nb noBackupOfBaseDir** - Set to true if you do not want a backup copy of the base file on the hard disk

**-nu noUpdateOfModifNonXMLFiles** - Set to true if you want to keep the non-XML files at their versions from the base directory.

**-na noAddingFilesOnlyPresentInDirToMergeWith** - Set to true if you want to skip adding the files that are only present in the directory to merge with to the output directory as well.

**-nd noDeletionOfFilesOnlyPresentInBaseDir** - Set to true if you want to preserve the files that are only present in the base directory.

**-cm createChangeTrackingMarkersForAddedXMLFiles** - Set to true if you want to create change tracking markers for the XML files only present in the directory to merge with .

**-help | --help | -h | --h** - Displays help text.

[oxygenxml.com/doc/ug-editor/topics/merge-directories-change-tracking.html](http://oxygenxml.com/doc/ug-editor/topics/merge-directories-change-tracking.html)

# Merge Directories Report

## Example of generating a merged result

```
mergeDirsTrackChanges flowers flowers-changed flowers-merged
```

Files modified:

XML files

Files successfully merged:

- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/concepts/autumnFlowers.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/concepts/glossaryGenus.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/concepts/glossaryPanicle.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/tasks/gardenPreparation.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/topics/flowers/chrysanthemum.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/topics/flowers/gerbera.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/topics/flowers/snowdrop.dita
- file:D:/GitRepos/octavian-demos/CompareWithChnageTrakingWebinar/Samples/flowers-merged/topics/introduction.dita

Files failed to merge: -

## Merged Directories Result

Can be used to:

- Verify if the directories are modified
- Determine the type of changes between directories
- Automatically publish the changes from a project in PDF or HTML
- Executed from CI/CD pipelines

## Conclusion

- **Complete support** for File and Directory Comparison and Merge
- Generate Merge Result with **Change Tracking Highlights**
- **Publish Merge Result** in PDF or HTML
- **Scripts to Compare and Merge** Files and Directories



## Future Plans

- Diff with Change Tracking 3-way
- Diff with Change Tracking in Web Author
- Better Integration with External Tools (e.g. SourceTree)
- Ignore by XPath in Diff Directories
- Other (feedback is welcome)



Question: What features are the most important for you?

- Diff with Change Tracking 3-way
- Diff with Change Tracking in Web Author
- Better Integration with External Tools (e.g. SourceTree)
- Ignore by XPath in Diff Directories
- Other (feedback is welcome)



## Resources

- [oxygenxml.com/xml\\_editor/xml\\_diff\\_and\\_merge.html](https://oxygenxml.com/xml_editor/xml_diff_and_merge.html)
- [oxygenxml.com/xml\\_editor/wysiwyg\\_xml\\_editor\\_review\\_change\\_tracking.html](https://oxygenxml.com/xml_editor/wysiwyg_xml_editor_review_change_tracking.html)
- [oxygenxml.com/demo/generating\\_file\\_or\\_directory\\_comparison\\_reports\\_in\\_oxygen.html](https://oxygenxml.com/demo/generating_file_or_directory_comparison_reports_in_oxygen.html)
- [oxygenxml.com/demo/generating\\_file\\_comparison\\_reports\\_using\\_command\\_line.html](https://oxygenxml.com/demo/generating_file_comparison_reports_using_command_line.html)
- [oxygenxml.com/demo/generating\\_directory\\_comparison\\_reports\\_using\\_command\\_line.html](https://oxygenxml.com/demo/generating_directory_comparison_reports_using_command_line.html)
- [oxygenxml.com/demo/Merge\\_Directories.html](https://oxygenxml.com/demo/Merge_Directories.html)
- [oxygenxml.com/demo/three\\_way\\_diff.html](https://oxygenxml.com/demo/three_way_diff.html)
- [oxygenxml.com/demo/XML\\_Diff\\_Merge.html](https://oxygenxml.com/demo/XML_Diff_Merge.html)



Questions?

Octavian Nadolu  
Product Manager at Syncro Soft

[octavian.nadolu@oxygenxml.com](mailto:octavian.nadolu@oxygenxml.com)

Twitter: [@OctavianNadolu](https://twitter.com/OctavianNadolu)

LinkedIn: [octaviannadolu](https://www.linkedin.com/in/octaviannadolu)