Three-way XML Diff **Visual Diff**



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```
schematron
 Structured
  editing
                        ISON
       review
         XQuery
          Publish
            PDF WebDAV
              DTD DocBook
           authoring
XML Editor
         XPR RNCFO
         frameworks
        Profiling
       WSDL
     styles
    WebHelp
   DITA
```





JS

Collal

Web

KML

XSLT

SVN



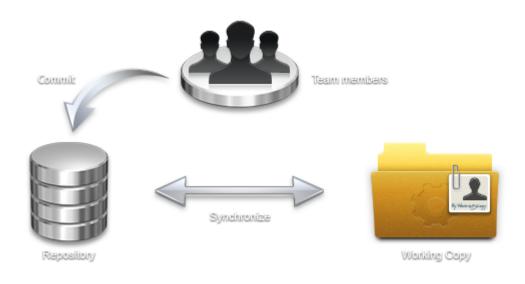
Overview

- Three-way documents comparison
- Using an XML algorithm for three-way comparison
- Visualize and merge modifications in the Author mode



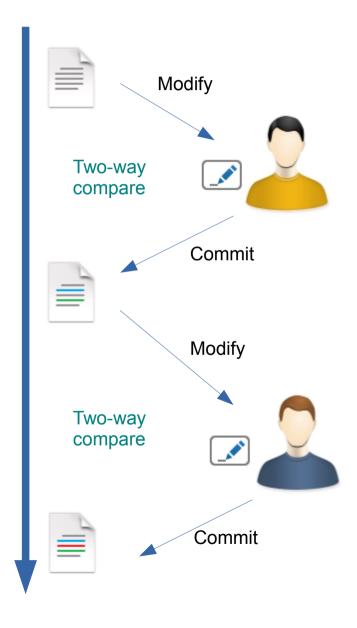
Three-way Diff

- Used when commit/reintegrate changes in a document
- Visualize and merge the modified content



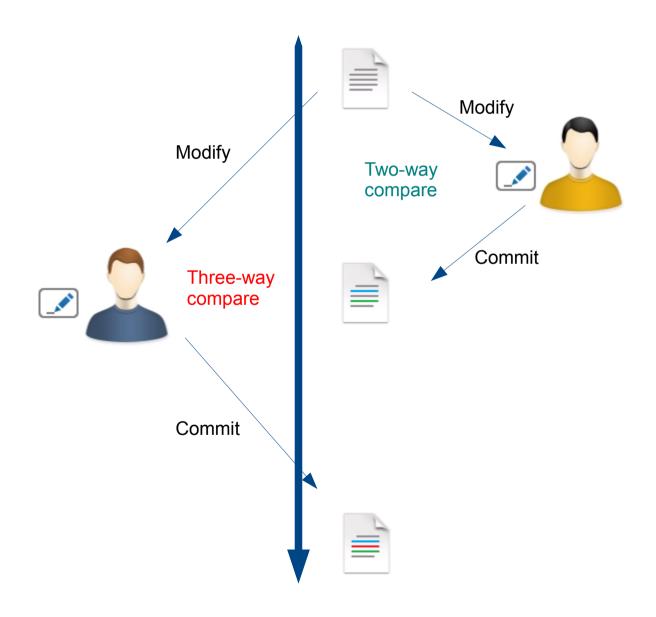


Documents Workflow



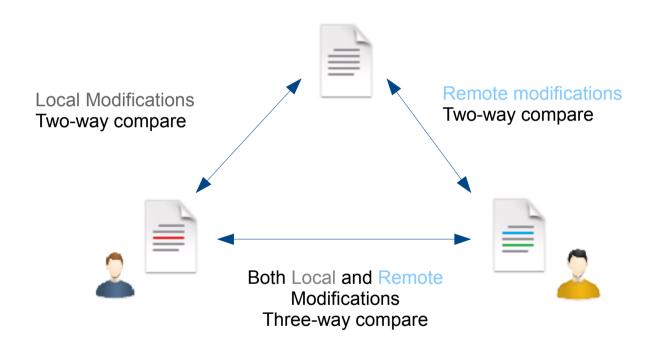


Documents Workflow





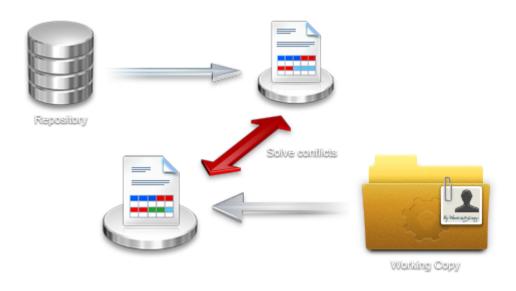
Three-way Compare





Three-way Diff

- Used by versioning systems (such as GIT, SVN, Mercurial)
 - Review modified content
 - Solve conflicts





Three-way Diff in <oXygen/>

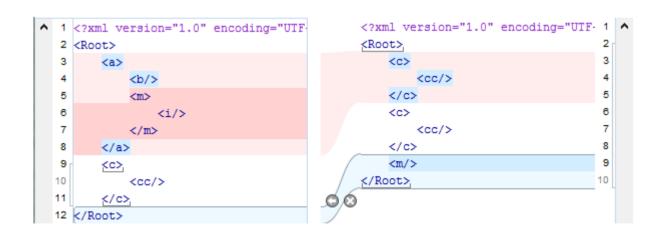
- Available in Syncro SVN Client
- Based on the "Lines" algorithm
- Limitation if parts of the documents are rearranged or when you want to ignore nodes

```
1 <?xml version="1.0" encoding="UTF-8":
                                                           <?xml version="1.0" encoding="
2 <Root>
                                                            <Root>
                                                                <c>
             \langle b/ \rangle
                                                                     <cc/>
                                                                </c>
                                                                <c>
                  <i/>
             </m>
                                                                </c>
        </a>
9
                                                                \langle m/\rangle
                                                           </Root>
             <cc/>
        </c>
```



Three-way XML Diff

- Marks the differences correctly also when the document structure is rearranged
- Merge only XML-relevant modifications





XML Diff Ignore Options

- Processing instructions
- Comments
- CData
- DOCTYPE
- Text
- Attributes order
- Namespace and prefixe



Second-Level Diff

- Easily spot the differences in text content
- Merge the exact modification



Visual Diff

- Visualize modifications in the Author page
- Merge modifications in the Author page

[▽] Introduction [▶] to Growing Flowers [∢]	[▽] Introduction
With just a little bit of care and preparation, any	With just a little bit of care and preparation, any
flower garden can be a vibrantly colored	flower garden can be a vibrantly colored
environment. Flowers can be selected for specific	environment. Flower can be selected for specific
blooming seasons. Both annual and perennial flower	blooming seasons, colors and shapes. Both annual
gardens can be planted depending on climate and	and perennial flower gardens can be planted
specific needs.	depending on climate and specific needs.
Read more about growing flowers:	Read more about growing flowers here:



Visual Diff Ignore Options

- Processing instructions
- Comments
- CData
- DOCTYPE
- Text
- Attributes order
- Namespace and prefix



Visual Diff Second-Level

- Simultaneously highlight of text block modifications and word-level differences
- Merge only the modified words

With just a little bit of care and preparation, any	With just a little bit of care and preparation, any
flower garden can la vibrantly colored	flower garden on be a vibrantly colored
environment. Flowers can be selected for specific	environment. Flower can be selected for specific
blooming seasons. Both annual and perennial flower	blooming seasons, colors and shapes. Both annual
gardens can be planted depending on climate and	and perennial flower gardens can be planted
specific needs.	depending on climate and specific needs.



Visual Diff Merge

- Copy all non-conflicting modifications
- Manage each difference
- In-place widget for quicker access
- Navigate through block of differences and word-level differences



Thank you!

Questions?

<oXygen/> XML Editor
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