

# What is a *STYLEREF*?

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Collabora  
Online



Technical Day  
COOL  
days





# What is it?

- It's a way of **referring to elements by their style**
- For example, you could have a *STYLEREF* that copied text from its nearest heading
- It's a longstanding feature in **Microsoft Word**



# Why would you want that?

- To improve compatibility: OOXML documents could use it before
- When it's the best tool for the job, it's the best tool *by far*



# An example...

- Let's say you're making a long document

The image is a screenshot of a LibreOffice Writer application window. The title bar at the top reads "OpenDocument-v1.3-os-part3-schema.odt - Collabora Office Writer". The menu bar includes File, Edit, View, Insert, Format, Styles, Table, Form, Tools, Window, and Help. The toolbar contains various icons for text formatting, alignment, and editing. The document content is centered and features the OASIS OPEN logo, which consists of a blue circular icon and the text "OASIS OPEN". Below the logo is the title "Open Document Format for Office Applications (OpenDocument) Version 1.3. Part 3: OpenDocument Schema" in a large, bold, blue font. Underneath the title is the date "27 April 2021" in a bold, blue font. The document then lists three stages of the standard, each with a URL: "This stage:", "Previous stage:", and "Latest stage:". The footer at the bottom of the window displays "Page 1 of 712", "219,676 words, 1,718,867 characters", "Default Page Style", "English (USA)", and a zoom level of 125%.



# An example...

- Let's say you're making a long document
- When you're in the middle of the document, **it might be hard to know what section you're in**



# An example...

OpenDocument-v1.3-os-part3-schema.odt - Collabora Office Writer

File Edit View Insert Format Styles Table Form Tools Window Help

Heading 3 Liberation Sans 13 pt

**9.4.2 <table:null-date>**

The <table:null-date> element specifies the null date for a spreadsheet document. The null date is the date that results in the value "0" if a date value is converted into a numeric value. The null date is specified in the element's table:date-value attribute.

**Note:** Commonly used values are 1899-12-30, 1900-01-01, and 1904-01-01.

The <table:null-date> element is usable within the following element:  
<table:calculation-settings> 9.4.1.

The <table:null-date> element has the following attributes: table:date-value 19.618 and table:value-type 19.753.

The <table:null-date> element has no child elements.

**9.4.3 <table:iteration>**

The <table:iteration> element enables formulas with iterative (or cyclic) references to be calculated after a specific number of iterations. If iterative calculations are not enabled, a formula expression containing a cyclic cell reference returns an error.

If the table:status attribute has the value enable and iterating through the cyclic dependencies does not deliver a result that satisfies the condition specified by the table:maximum-difference attribute within a number of iterations specified by the table:steps attribute for all cells in the cyclic dependencies, an error is returned.

The <table:iteration> element is usable within the following element:  
<table:calculation-settings> 9.4.1.

The <table:iteration> element has the following attributes: table:maximum-difference 19.670, table:status 19.726 and table:steps 19.728.

The <table:iteration> element has no child elements.

**9.4.4 <table:content-validations>**

The <table:content-validations> element contains all the validation rules for the content of table cells.

The <table:content-validations> element is usable within the following elements:  
<office:chart> 3.8, <office:drawing> 3.5, <office:presentation> 3.6, <office:spreadsheet> 3.7 and <office:text> 3.4.

The <table:content-validations> element has no attributes.

Page 182 of 827 219,658 words, 1,718,739 characters Default Page Style English (USA) Chapter Numbering : Level 3 125%

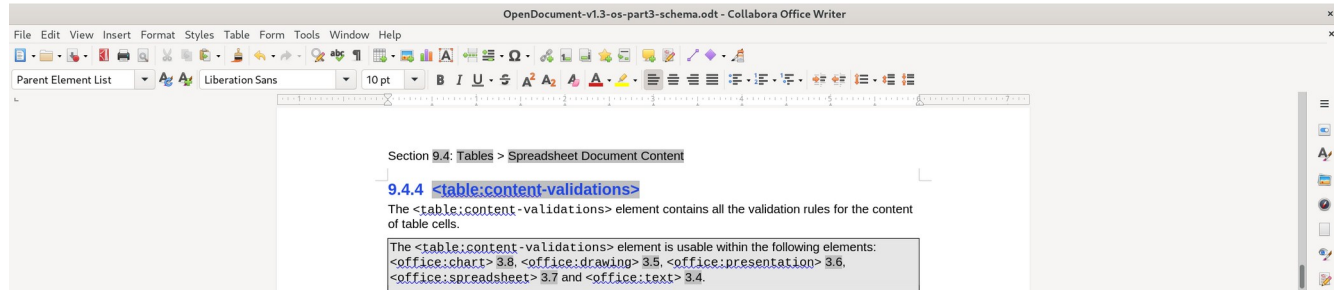


# An example...

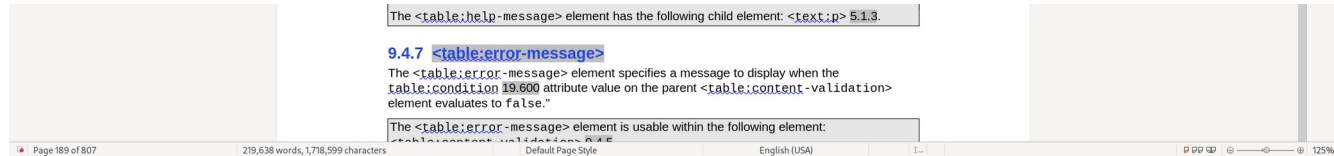
- Let's say you're making a long document
- When you're in the middle of the document, **it might be hard to know what section you're in**
- What if you wanted to put that **in the header?**



## Section 9.4: Tables > Spreadsheet Document Content



Section Heading 2: Heading 1 > Heading 2





# An example...

- Let's say you're making a long document
- When you're in the middle of the document, **it might be hard to know what section you're in**
- What if you wanted to put that **in the header?**
- By referencing "Heading 1" and "Heading 2" **we can get a pretty good picture of where we are in the document**



# Cross-reference fields

- Collabora Office has *cross-reference* fields
- They can **refer to specific content**, e.g. “refer to heading 1.1”
- STYLEREFS are a new *cross-reference* field
- They benefit from existing *cross-reference* possibilities

## Type

Set Reference  
Insert Reference  
**Headings**  
Numbered Paragraphs  
Table  
Figure  
Bookmarks  
Styles

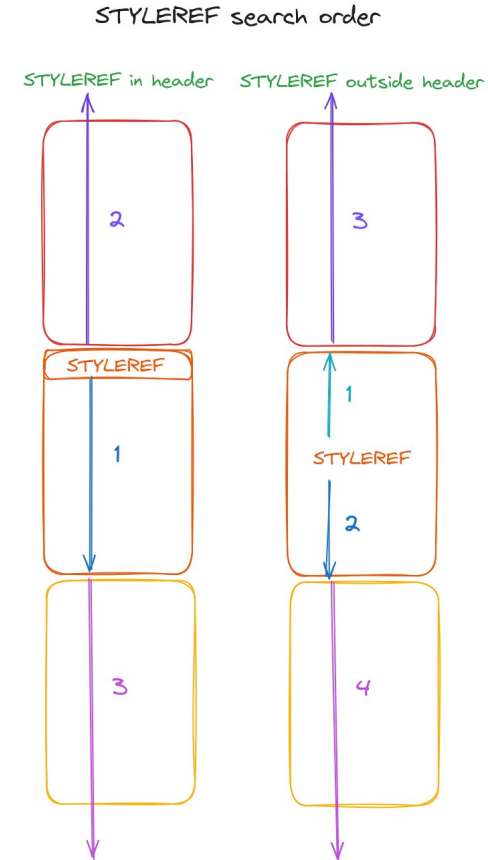
## Refer using:

Referenced text  
“Above”/“Below”  
**Number**  
Number (no context)  
Number (full context)



# Not your standard *cross-reference*...

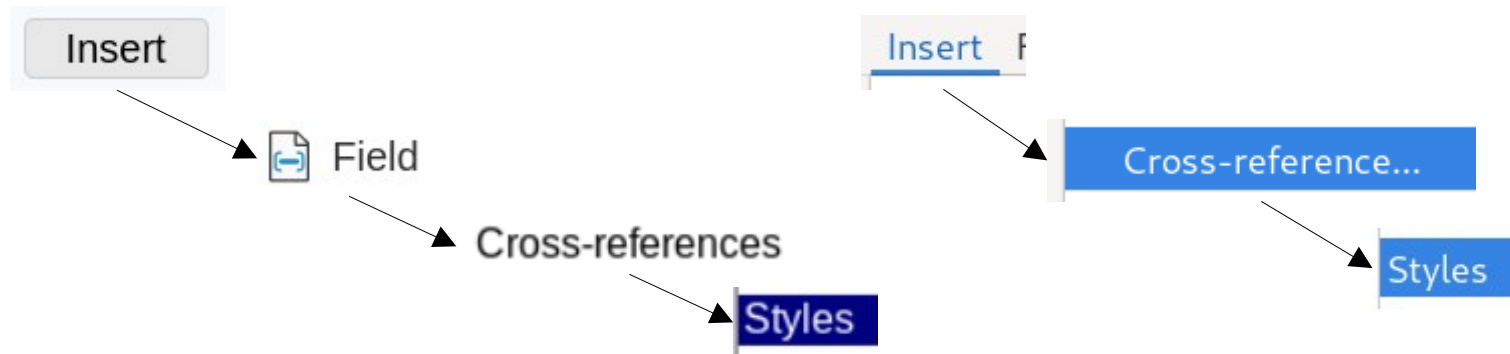
- Cross-references normally only reference **a single thing**
- That means that the referenced element doesn't change if they appear multiple times, **STYLEREF** **does**
- **STYLEREF** searches the page you're on, then other pages





# So in conclusion


- *STYLEREF* is excellent for what it does!
- Having it also improves your ability to edit any document you are sent
- It's in Collabora Online and Collabora Office **from 23.05.6**





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**COOL**  
*days* 

# Thank you!

*By Skyler Grey*



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