

Accessibility Checker

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Recap - What is accessibility check

Checks the document structure for accessibility issues, so the document is easier to read and alerts to provide non-visual tags.



Recap - Checks

- Document title, document language
- Custom formatting (bold, color)
- Background and text color contrast
- Continuous and logical headings order
- Hyperlink name



Recap - Checks

- Alt. text existence
- Blinking text
- Non-interactive form
- Floating text
- Footnote / Endnote



Online Accessibility Check

- Checks for accessibility problems while writing the document
- If issue is found, warn with an icon in status bar, so the user can check and fix



- Problem: check should not take a lot of resources
 - Need to do it partially and incrementally – per node (paragraph)
- Check only when the cursor leaves the paragraph



Accessibility Check in Sidebar

- Instead of a modal / modeless dialog, the issues are present in the sidebar.
 - Better UX as the dialog is not in the way
 - Better interactivity – when a new issue is detected by the online check, it is immediately shown in the sidebar (if the sidebar is open)
- Implemented by Allotropia



Accessibility Checker in Sidebar

The screenshot displays the Collabora OfficeDev Writer 24.04 interface. The main document area contains the following content:

Hello world

1. Apple
2. Banana
3. Mango


Name: _____

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum consequat mi quis pretium semper. Proin luctus orci ac neque venenatis, quis commodo dolor posuere. Curabitur dignissim sapien quis cursus egestas. Donec blandit auctor arcu, nec pellentesque eros molestie eget. In consectetur aliquam hendrerit. Sed cursus mauris vitae ligula pellentesque, non pellentesque urna aliquet. Fusce placerat mauris enim, nec rutrum purus semper vel. Praesent tincidunt neque eu pellentesque pharetra. Fusce pellentesque est orci.

HEADING 1

Abc abc

HEADING 3



Floating Text Frame

HEADING 1		
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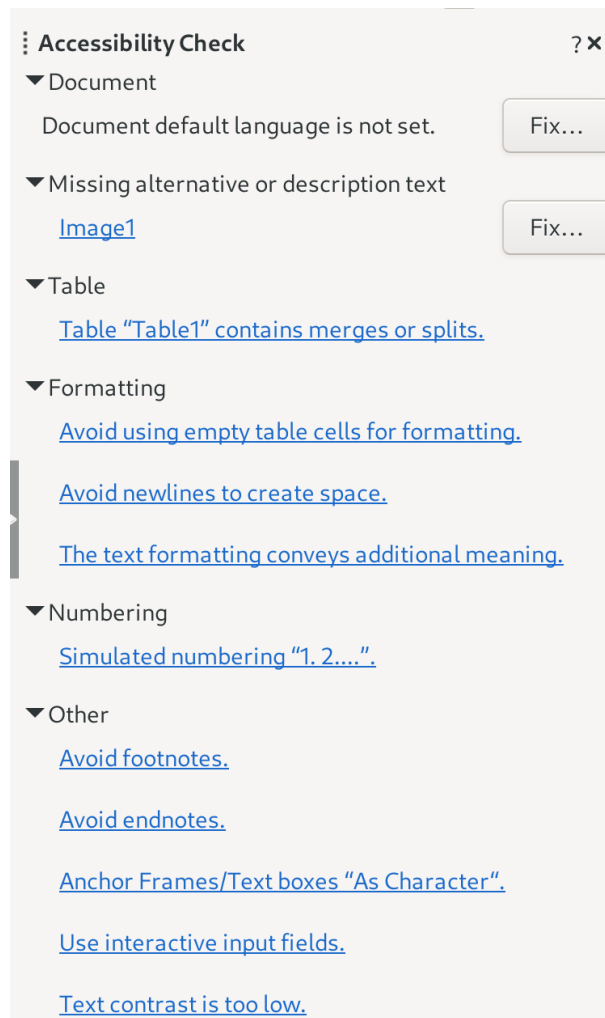
The Accessibility Checker sidebar on the right lists the following issues:

- Document**
 - Document default language is not set. [Fix...](#)
- Missing alternative or description text**
 - [Image1](#) [Fix...](#)
- Table**
 - [Table "Table1" contains merges or splits.](#)
- Formatting**
 - [Avoid using empty table cells for formatting.](#)
 - [Avoid newlines to create space.](#)
 - [The text formatting conveys additional meaning.](#)
- Numbering**
 - [Simulated numbering "1. 2....".](#)
- Other**
 - [Avoid footnotes.](#)
 - [Avoid endnotes.](#)
 - [Anchor Frames/Text boxes "As Character".](#)
 - [Use interactive input fields.](#)
 - [Text contrast is too low.](#)

The status bar at the bottom indicates: Page 1 of 2, 109 words, 719 characters, Default Page Style, and 73% zoom.



Accessibility Checker in Sidebar





Other improvements

- Better and more detailed descriptions of a11y issues
- Combine issues into categories
- Instead of “issue” button at the end, it uses a link
- Clicking the link doesn’t only go to and select the object that has an issue, but also flashes the area so it is easier to see
- Show a “Fix” button, if possible
 - For example: if the name is missing “Fix” opens the dialog where the name can be added




Missing features

- Accessibility Checker is only implemented for Writer
 - Missing Calc
 - Missing Impress
- Online accessibility checker not checking every node / object yet.



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Thank you!

By Tomaž Vajngerl



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