draw.io web app Accessibility Conformance Report

Accessibility Conformance Report, WCAG Edition. Based on VPAT® Version 2.5

Name of Product/Version

draw.io web app at app.diagrams.net (diagrams.net), with the diagram viewer and lightbox at viewer.diagrams.net. draw.io 32.6.9

Report Date

2026-10-29

Product Description

draw.io is a free diagramming application that runs in the browser at app.diagrams.net. Users create and edit flowcharts, UML, network, architecture, whiteboard-style and other diagrams, keep them in Google Drive, OneDrive, GitHub, GitLab or on their device, and share them as files, links and images or embed them in web pages, where the draw.io viewer shows them with a lightbox for full-screen viewing. There is no draw.io account: diagrams are processed in the browser and stored where the user chooses. Developed and operated by draw.io Ltd.

Contact Information

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Notes

Scope is draw.io's own interface at app.diagrams.net - the storage choice and start dialogs of the start screen (shown on start when the start screen is switched on in the configuration; otherwise the app opens a new diagram), the Home screen of Google Drive, the New Diagram dialog with its templates and draw.io AI, the editor, the file dialogs of draw.io (save, open, the GitHub and GitLab file lists), the export, publish and embed dialogs - the viewer and lightbox at viewer.diagrams.net, and the diagram content the app produces in exports and embeds. The Google Drive and OneDrive file pickers, the sharing dialogs of the storage providers and the sign-in pages of Google, Microsoft, GitHub and GitLab are the providers' own interfaces and are out of scope. The draw.io apps for Confluence Cloud and Jira Cloud have reports of their own; the draw.io Desktop app and the website www.drawio.com are not covered by this report.

Evaluation Methods Used

Automated testing with axe-core 4.10.2 (all WCAG 2.0, 2.1 and 2.2 Level A and AA rules) in Google Chrome (Chrome for Testing 154) against the development build of the version above, in the light and dark themes, in the storage choice dialog and the start dialog, the New Diagram dialog, the editor in four states (diagram open, shape selected, menu open, dialog open), the Text Outline and Layers windows and the lightbox. Keyboard-only testing: from the storage choice dialog through the start dialog and the New Diagram dialog (selecting a template and creating the diagram) to the editor, a full cycle of Tab through the editor, Escape in the storage choice dialog, and the lightbox with its toolbar; flow animations with the operating system set to reduced motion. The editor rows also rest on the keyboard testing of the same editor for the draw.io for Confluence Cloud report (2026-10-23). Review of the application source code (jgraph/drawio) for the criteria that cannot be tested automatically and for the screens that need a sign-in (the Home screen of Google Drive, the GitHub and GitLab file lists). Screen reader testing has not been carried out.

Applicable Standards/Guidelines

Standard/Guideline	Included in Report
Web Content Accessibility Guidelines 2.0	Level A (Yes), Level AA (Yes), Level AAA (Yes, partly Not Evaluated)
Web Content Accessibility Guidelines 2.1	Level A (Yes), Level AA (Yes), Level AAA (Yes, partly Not Evaluated)
Web Content Accessibility Guidelines 2.2	Level A (Yes), Level AA (Yes), Level AAA (Yes, partly Not Evaluated)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports**: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- **Not Applicable**: The criterion is not relevant to the product.
- **Not Evaluated**: The product has not been evaluated against the criterion. This can only be used in WCAG Level AAA criteria.

WCAG 2.x Report

Criterion 4.1.1 Parsing is obsolete and removed from WCAG 2.2; it is reported for WCAG 2.0 and 2.1 only.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A 2.0, 2.1 and 2.2)	Partially Supports	Text labels inside a diagram are rendered as real text and can be read by assistive technology. The diagram in the editor is named after the diagram with its numbers of shapes and connectors, and the Text Outline window (View menu, Alt+Shift+U) lists its shapes and connectors as text. Authors can give each page a text alternative (Alt Text in Page Setup), which names the diagram in the viewer and the lightbox and becomes the title of SVG exports; the editor, PNG and PDF exports do not use it, and pages without one have no text alternative of their own. Image embeds created by the app carry an alt text with the file and page name. Icon-only controls (toolbar, shape palette, format panel, page tabs, windows, the lightbox toolbar) expose their tooltip or a label as accessible name, and icons next to a name have an empty alternative text; automated testing finds no image without alternative text in the dialogs, the editor and the lightbox (tested).
1.2.1 Audio-only and Video-only (Prerecorded) (Level A 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio or video content.
1.2.2 Captions (Prerecorded) (Level A 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio or video content.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio or video content.
1.3.1 Info and Relationships (Level A 2.0, 2.1 and 2.2)	Partially Supports	Menus, the menu bar, toolbar buttons, the format panel tabs, the shape palette titles, the page tabs, dialogs and windows expose ARIA roles and states, for example menu, menuitem, tab, dialog, aria-expanded, aria-selected and aria-pressed for the selected template, so their structure is available to assistive technology (tested). The editor exposes no headings or landmarks. Fields whose visible label is not a label element, for example the file name in the New Diagram dialog, the colour window and the format panel, have that text as their accessible name, and automated testing finds no field without a name. The structure of a diagram is available in the Text Outline window (View menu, Alt+Shift+U) as a tree of layers, containers and shapes with each connector under the shape it starts from; the viewer and the lightbox offer the same outline as nested lists.

Criteria	Conformance Level	Remarks and Explanations
1.3.2 Meaningful Sequence (Level A 2.0, 2.1 and 2.2)	Partially Supports	Dialogs and menus follow the visual order in the DOM. Shape labels on the diagram canvas follow the drawing order rather than the logical flow of the diagram; the Text Outline window orders the shapes by their containers and lists each connector under the shape it starts from.
1.3.3 Sensory Characteristics (Level A 2.0, 2.1 and 2.2)	Supports	Instructions in the interface refer to named controls and menu items; none rely on shape, size, position or sound alone.
1.4.1 Use of Color (Level A 2.0, 2.1 and 2.2)	Partially Supports	Selected shapes are indicated with handles and a highlight outline, not colour alone. Some states rely on colour only, for example the active page tab, the active format panel tab and the pressed state of style toggle buttons. Colour-only meaning inside diagrams is under the author's control and is not checked by the app.
1.4.2 Audio Control (Level A 2.0, 2.1 and 2.2)	Not Applicable	No audio plays automatically.
2.1.1 Keyboard (Level A 2.0, 2.1 and 2.2)	Partially Supports	Every part of the app can be reached and used with the keyboard: the storage choice and start dialogs, the New Diagram dialog (Space selects a template and Enter creates the diagram), the menu bar and menus, the toolbar, the shape search and palettes (Enter inserts a shape), the diagram canvas, the format panel, the page tabs, windows such as Layers and Text Outline, dialogs, the Explore viewer and the lightbox with its toolbar (tested). Tab and Shift+Tab follow the reading order, Shift+arrow keys move the focus to the nearest control in their direction, and diagram editing on the canvas is keyboard operable through documented shortcuts (Help > Keyboard Shortcuts). The Home screen of Google Drive and the file lists of the GitHub and GitLab dialogs are built from buttons and keyboard buttons (code review, they need a sign-in). Some operations still need a pointer: moving connector waypoints, freehand drawing, resizing windows and dialogs, the colour gradient of the colour picker (its hex field is the keyboard alternative) and the enlarged preview of a template. In diagrams embedded in other web pages, the viewer toolbar can be used with the keyboard where it is always shown; where it is shown on hover, it cannot be reached with the keyboard.

Criteria	Conformance Level	Remarks and Explanations
2.1.2 No Keyboard Trap (Level A 2.0, 2.1 and 2.2)	Supports	Escape closes the storage choice dialog and the other dialogs. In the editor, Tab and Shift+Tab move the focus out of the diagram canvas after the last and before the first shape, Escape returns the focus to the canvas from any other control, and at the ends of the tab order Tab and Shift+Tab wrap around to the other end of the editor, as do the controls of the lightbox (tested); the browser's own keys, for example F6 or Ctrl+L, reach the address bar.
2.1.4 Character Key Shortcuts (Level A 2.1 and 2.2)	Supports	The single-character shortcuts A, S, D, F and L (insert text, note, rectangle, ellipse, link) and the slash key (move to the shape search) are active only while the diagram canvas has keyboard focus; they do not fire while a text field or any other component is focused. They cannot be turned off or remapped.
2.2.1 Timing Adjustable (Level A 2.0, 2.1 and 2.2)	Supports	The app sets no time limits. Diagrams are saved on demand or with autosave; connections to Google Drive, OneDrive, GitHub and GitLab are governed by those providers.
2.2.2 Pause, Stop, Hide (Level A 2.0, 2.1 and 2.2)	Partially Supports	The interface has no auto-updating or moving content other than short loading indicators. Diagrams may contain author-enabled connector flow animations, which play continuously in the editor, the lightbox and embedded diagrams. They stop when the operating system asks for reduced motion (tested), but the app offers no control of its own to pause them.
2.3.1 Three Flashes or Below Threshold (Level A 2.0, 2.1 and 2.2)	Supports	Nothing in the interface flashes.
2.4.1 Bypass Blocks (Level A 2.0, 2.1 and 2.2)	Partially Supports	The page exposes no landmarks or headings. Keyboard ways to skip blocks: the diagram canvas has the focus after loading, Escape returns to it from any other control, the slash key moves to the shape search, Shift+Enter to the format panel and Alt+Shift+U opens the Text Outline window.
2.4.2 Page Titled (Level A 2.0, 2.1 and 2.2)	Supports	The page title is the name of the open file followed by draw.io, for example "Untitled Diagram - draw.io", and in the lightbox the name of the file and of the page (tested).

Criteria	Conformance Level	Remarks and Explanations
2.4.3 Focus Order (Level A 2.0, 2.1 and 2.2)	Supports	Tab and Shift+Tab follow the visual reading order of the editor (menu bar, toolbar, shape search and palettes, diagram canvas, format panel, page tabs, with open windows after the canvas), Shift+Tab returns to exactly where Tab came from, and a dialog returns the focus to the control that opened it. Tab moves into a dialog that opens over the editor, and the storage choice, start and New Diagram dialogs follow their visual order (tested).
2.4.4 Link Purpose (In Context) (Level A 2.0, 2.1 and 2.2)	Supports	Links in menus, dialogs and help text have descriptive text. Links that authors place on shapes take the shape's label as their text.
2.5.1 Pointer Gestures (Level A 2.1 and 2.2)	Supports	Multipoint and path-based gestures (pinch zoom, two-finger pan, freehand drawing) have single-pointer alternatives: zoom buttons and menu items, scrollbars, and shape insertion from the palette. Path input is essential to the freehand drawing tool itself.
2.5.2 Pointer Cancellation (Level A 2.1 and 2.2)	Supports	Controls activate on the up-event. Drag operations on the canvas take effect on release and can be cancelled with Escape before release; every completed edit can be undone.
2.5.3 Label in Name (Level A 2.1 and 2.2)	Supports	Controls with visible text (menu items, dialog buttons, tabs, the storage buttons, templates) use that text as their name. Icon-only controls have no visible text label.
2.5.4 Motion Actuation (Level A 2.1 and 2.2)	Not Applicable	No functionality is operated by device motion or user motion.
3.1.1 Language of Page (Level A 2.0, 2.1 and 2.2)	Supports	The page declares the language of its interface, which follows the language chosen in the app or the browser's language (more than 30 languages) (tested).
3.2.1 On Focus (Level A 2.0, 2.1 and 2.2)	Supports	Receiving focus does not trigger a change of context.
3.2.2 On Input (Level A 2.0, 2.1 and 2.2)	Supports	Changing a setting or form control applies that setting only; it does not navigate or submit. Style changes made in the format panel apply to the current selection immediately, which is the documented purpose of those controls.
3.2.6 Consistent Help (Level A 2.2)	Supports	The Help menu (keyboard shortcuts, quick start, support) is in the same position on every editor screen.

Criteria	Conformance Level	Remarks and Explanations
3.3.1 Error Identification (Level A 2.0, 2.1 and 2.2)	Partially Supports	Errors such as failed saves, unsupported files or unavailable services are reported as text in a dialog. Invalid values typed into numeric style or geometry fields are silently reverted without an error message.
3.3.2 Labels or Instructions (Level A 2.0, 2.1 and 2.2)	Partially Supports	Dialog fields have visible text labels. Many format panel inputs (size, position, spacing) are identified only by placeholder text or position, and labels are not programmatically associated with their inputs.
3.3.7 Redundant Entry (Level A 2.2)	Supports	No multi-step process asks the user to re-enter information already provided.
4.1.1 Parsing (Level A 2.0 and 2.1)	Supports	Answered Supports for WCAG 2.0 and 2.1 as the template instructs; the criterion is obsolete and removed in WCAG 2.2.
4.1.2 Name, Role, Value (Level A 2.0, 2.1 and 2.2)	Partially Supports	Menus and menu items, the menu bar, toolbar buttons, the format panel tabs, shape palette titles and shapes, page tabs, dialogs and windows, the storage buttons, the templates and the buttons of the lightbox toolbar expose a role, an accessible name and their state, for example aria-expanded, aria-selected, aria-checked, aria-pressed and aria-disabled (tested). The diagram has the role application with the role description Diagram and its name and numbers of cells as its label. Automated testing finds no control without a name in the dialogs, the editor, its windows and the lightbox; some dialogs without a visible title have no accessible name (code review). Native form controls in dialogs expose their value.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA 2.0, 2.1 and 2.2)	Not Applicable	The app contains no live audio or video.
1.2.5 Audio Description (Prerecorded) (Level AA 2.0, 2.1 and 2.2)	Not Applicable	The app contains no video content.
1.3.4 Orientation (Level AA 2.1 and 2.2)	Supports	Content is not locked to a display orientation.

Criteria	Conformance Level	Remarks and Explanations
1.3.5 Identify Input Purpose (Level AA 2.1 and 2.2)	Not Applicable	The app has no fields that collect information about the user. There is no draw.io account, and sign-in to storage providers happens on the providers' own pages.
1.4.3 Contrast (Minimum) (Level AA 2.0, 2.1 and 2.2)	Supports	Automated testing in the light and dark themes finds no text below 4.5:1 in the dialogs, the editor and the lightbox; text over images or gradients could not be measured automatically (tested). The hex field of the colour window shows black or white text, whichever has more contrast on the colour. A High Contrast option (Settings) raises interface contrast, and dark mode adapts diagram colours automatically. Contrast of colours chosen by authors inside diagrams is not checked.
1.4.4 Resize text (Level AA 2.0, 2.1 and 2.2)	Partially Supports	Browser zoom up to 200% enlarges all interface text, and the diagram can be zoomed independently. Side panels have fixed pixel widths, so at 200% some format panel labels truncate. The editor page disables pinch zoom on touch devices (viewport maximum-scale=1, user-scalable=no), because pinching zooms the diagram; found by automated testing.
1.4.5 Images of Text (Level AA 2.0, 2.1 and 2.2)	Supports	The interface uses real text. Diagrams are shown with real text in the editor, the viewer and the lightbox, and in SVG and HTML exports; PNG and JPEG exports are images of the diagram in the format the author chooses.
1.4.10 Reflow (Level AA 2.1 and 2.2)	Partially Supports	Diagram content is two-dimensional and falls under the criterion's exception. The editor interface is a desktop layout: at 320 CSS pixels the menu and toolbar collapse to compact forms and the side panels can be hidden, but some dialogs require horizontal scrolling.
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2)	Partially Supports	Selection handles, outlines and most icons have at least 3:1 contrast against their background in the default themes; some toolbar icons and panel separators do not. The High Contrast option adds outlines to all controls. Contrast of shapes and connectors inside diagrams is under the author's control.
1.4.12 Text Spacing (Level AA 2.1 and 2.2)	Partially Supports	Interface text honours user text-spacing overrides; controls with fixed heights (tabs, toolbar, palette headings) may clip text at increased line height.

Criteria	Conformance Level	Remarks and Explanations
1.4.13 Content on Hover or Focus (Level AA 2.1 and 2.2)	Partially Supports	Shape previews and tooltips appear on hover, remain visible while the pointer stays over the trigger and disappear on pointer-out. They cannot be dismissed with Escape without moving the pointer and are not shown on keyboard focus.
2.4.5 Multiple Ways (Level AA 2.0, 2.1 and 2.2)	Not Applicable	The app is a single-page application, not a set of web pages.
2.4.6 Headings and Labels (Level AA 2.0, 2.1 and 2.2)	Supports	Dialog titles, menu names and format panel section names describe their content.
2.4.7 Focus Visible (Level AA 2.0, 2.1 and 2.2)	Supports	Every control in the dialogs, the editor and the lightbox shows a focus ring for keyboard focus, also in dark mode. The diagram canvas shows one whenever it has the focus without a selection, and the selected shape's handles show the keyboard position inside it (tested). Native form fields in dialogs show a focus ring and a coloured border.
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2)	Supports	Dialogs are modal overlays and no sticky element covers focused controls. Windows that the user opens, such as Layers, can cover part of the format panel until they are moved, but not all of a control.
2.5.7 Dragging Movements (Level AA 2.2)	Partially Supports	Most drag operations have single-pointer alternatives: shapes are inserted by clicking a palette entry, connected via the hover arrows or Alt+Shift+Arrow, and positioned or resized through Arrange > Edit Geometry and the format panel. Moving connector waypoints, reordering swimlanes and freehand drawing are drag-only (path input is essential to freehand drawing).
2.5.8 Target Size (Minimum) (Level AA 2.2)	Partially Supports	Toolbar buttons, menu items, palette entries, the buttons in library titles and in the titles of windows, the Swap, Copy and Opacity buttons of the colour window and the dots of the colour schemes are at least 24 by 24 CSS pixels or spaced accordingly; automated testing finds no smaller target, except a format panel tab partly covered by a window that the user opened (tested). Shape resize handles and connection points in the diagram are smaller than 24 pixels (code review).
3.1.2 Language of Parts (Level AA 2.0, 2.1 and 2.2)	Supports	The interface is presented in a single language. Authors cannot mark the language of individual labels inside a diagram.
3.2.3 Consistent Navigation (Level AA 2.0, 2.1 and 2.2)	Supports	The menu bar, toolbar, shape palette and format panel keep the same position and order on every editor screen.

Criteria	Conformance Level	Remarks and Explanations
3.2.4 Consistent Identification (Level AA 2.0, 2.1 and 2.2)	Supports	Functions are identified by the same icon and label wherever they appear (toolbar, menus, format panel, context menu).
3.3.3 Error Suggestion (Level AA 2.0, 2.1 and 2.2)	Partially Supports	Error dialogs describe the failure (for example an unsupported file format or a save conflict) and, where possible, what to do. Numeric field validation offers no suggestion.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA 2.0, 2.1 and 2.2)	Supports	Every edit can be reversed with Edit > Undo, earlier versions of diagrams in Google Drive can be restored from File > Revision History, and the app has no legal or financial transactions.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2)	Not Applicable	draw.io has no sign-in of its own. Connections to Google Drive, OneDrive, GitHub and GitLab use those providers' own sign-in pages.
4.1.3 Status Messages (Level AA 2.1 and 2.2)	Partially Supports	Changes of the save status, progress messages, banners and changes of the selection in the editor are announced through a status region, for example "Start, Rectangle, connects to Decision" for a selected shape, and alerts use the alert role (tested). Collaboration presence changes are not announced.

Table 3: Success Criteria, Level AAA

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio or video content.
1.2.7 Extended Audio Description (Prerecorded) (Level AAA 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio or video content.
1.2.8 Media Alternative (Prerecorded) (Level AAA 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio or video content.
1.2.9 Audio-only (Live) (Level AAA 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio or video content.
1.3.6 Identify Purpose (Level AAA 2.1 and 2.2)	Not Evaluated	

Criteria	Conformance Level	Remarks and Explanations
1.4.6 Contrast (Enhanced) (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
1.4.7 Low or No Background Audio (Level AAA 2.0, 2.1 and 2.2)	Not Applicable	The app contains no audio content.
1.4.8 Visual Presentation (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
1.4.9 Images of Text (No Exception) (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
2.1.3 Keyboard (No Exception) (Level AAA 2.0, 2.1 and 2.2)	Does Not Support	See 2.1.1: moving connector waypoints, freehand drawing and resizing windows and dialogs need a pointer.
2.2.3 No Timing (Level AAA 2.0, 2.1 and 2.2)	Supports	The app sets no time limits.
2.2.4 Interruptions (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
2.2.5 Re-authenticating (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
2.2.6 Timeouts (Level AAA 2.1 and 2.2)	Not Applicable	The app has no inactivity timeouts.
2.3.2 Three Flashes (Level AAA 2.0, 2.1 and 2.2)	Supports	Nothing in the interface flashes.
2.3.3 Animation from Interactions (Level AAA 2.1 and 2.2)	Not Evaluated	
2.4.8 Location (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
2.4.9 Link Purpose (Link Only) (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
2.4.10 Section Headings (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
2.4.12 Focus Not Obscured (Enhanced) (Level AAA 2.2)	Not Evaluated	
2.4.13 Focus Appearance (Level AAA 2.2)	Not Evaluated	

Criteria	Conformance Level	Remarks and Explanations
2.5.5 Target Size (Enhanced) (Level AAA 2.1 and 2.2)	Not Evaluated	
2.5.6 Concurrent Input Mechanisms (Level AAA 2.1 and 2.2)	Supports	Mouse, touch and keyboard input can be used interchangeably at any time.
3.1.3 Unusual Words (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
3.1.4 Abbreviations (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
3.1.5 Reading Level (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
3.1.6 Pronunciation (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
3.2.5 Change on Request (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
3.3.5 Help (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
3.3.6 Error Prevention (All) (Level AAA 2.0, 2.1 and 2.2)	Not Evaluated	
3.3.9 Accessible Authentication (Enhanced) (Level AAA 2.2)	Not Applicable	draw.io has no sign-in of its own.

Legal Disclaimer (draw.io Ltd)

This report describes the product as tested on the report date and is provided for information. draw.io Ltd develops and operates the product.

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