

Ohio Supercomputer Center / Open OnDemand

Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.5Rev)

Name of Product/Version: Open OnDemand version 4.2.2

Report Date: 8 May 2026

Product Description: Developed by the Ohio Supercomputer Center (OSC) and funded by the National Science Foundation, Open OnDemand is an open-source portal that enables web-based access to HPC services. Clients manage files and jobs, create and share apps, run GUI applications and connect via SSH, all from any device with a web browser. OnDemand can be installed on a variety of HPC operating systems and resource managers.

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Notes: Accessibility conformance is only evaluated for the core Open OnDemand functionality. Third party apps facilitated via Open OnDemand (e.g. noVNC, Jupyter, VS Code, etc..) are not within scope. For more information on accessibility conformance for Open OnDemand please visit www.openondemand.org/accessibility.

Evaluation Methods Used: Evaluation was performed by people familiar with the functionality of Open OnDemand using only manual testing with NVDA, Chrome, and Firefox.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.2	Level A (Yes) Level AA (Yes) Level AAA (No)

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.

WCAG 2.x Report

Note: When reporting on conformance with the WCAG 2.x Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	All non-text content has appropriate alternative text.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	There is no prerecorded media in Open OnDemand.
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	There is no prerecorded media in Open OnDemand.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	There is no prerecorded media in Open OnDemand.
1.3.1 Info and Relationships (Level A)	Supports	Information and relationships are accurately portrayed with a screen reader and keyboard, and focus never moves unpredictably.
1.3.2 Meaningful Sequence (Level A)	Supports	All content in Open OnDemand with meaningful sequence is correctly programmatically determined. Most content does not have a meaningful sequence, but tables are read row by row and directory links are read in the order that matches the filesystem.
1.3.3 Sensory Characteristics (Level A)	Supports	No element in Open OnDemand relies on a single sensory characteristic.
1.4.1 Use of Color (Level A)	Supports	Color does not solely convey any information in Open OnDemand.
1.4.2 Audio Control (Level A)	Not Applicable	There is no prerecorded media in Open OnDemand.
2.1.1 Keyboard (Level A)	Supports	All functionality in Open OnDemand can be accessed through a keyboard without any specific timing of individual keystrokes.
2.1.2 No Keyboard Trap (Level A)	Supports	All content allows focus to move away from it using keyboard strokes.
2.1.4 Character Key Shortcuts (Level A 2.1 and 2.2)	Not Applicable	Open OnDemand does not implement character key shortcuts.

Criteria	Conformance Level	Remarks and Explanations
<u>2.2.1 Timing Adjustable</u> (Level A)	Supports	The time limits set by Open OnDemand include authentication timeouts, time limits intrinsic to jobs and schedulers, and the time between polling updates to keep information up-to-date in real time.
<u>2.2.2 Pause, Stop, Hide</u> (Level A)	Not Applicable	Open OnDemand does not have any media that would require pause, stop, or hide functionality.
<u>2.3.1 Three Flashes or Below Threshold</u> (Level A)	Supports	There are no flashing elements in Open OnDemand.
<u>2.4.1 Bypass Blocks</u> (Level A)	Supports	There are links to skip navigation throughout Open OnDemand.
<u>2.4.2 Page Titled</u> (Level A)	Supports	All pages in Open OnDemand are titled.
<u>2.4.3 Focus Order</u> (Level A)	Supports	In cases where navigation order affects meaning or operation, focusable elements receive order correctly.
<u>2.4.4 Link Purpose (In Context)</u> (Level A)	Supports	All links in Open OnDemand either have their own descriptions or are preceded by text descriptions.
<u>2.5.1 Pointer Gestures</u> (Level A 2.1 and 2.2)	Supports	All drag and drop functionality has alternative approaches.
<u>2.5.2 Pointer Cancellation</u> (Level A 2.1 and 2.2)	Supports	The only time Open OnDemand relies on the down-event is during a drag and drop, which is cancellable.
<u>2.5.3 Label in Name</u> (Level A 2.1 and 2.2)	Supports	All visible labels are programmatically linked to their associated elements in Open OnDemand, so the name always contains text presented visually.
<u>2.5.4 Motion Actuation</u> (Level A 2.1 and 2.2)	Not Applicable	There is no motion actuation in Open OnDemand.
<u>3.1.1 Language of Page</u> (Level A)	Supports	Open OnDemand supports certain locales automatically.
<u>3.2.1 On Focus</u> (Level A)	Supports	In Open OnDemand, focusing on its own does not perform any functionality.
<u>3.2.2 On Input</u> (Level A)	Supports	Any input that would cause a change of context is clearly labeled or is a link.
<u>3.2.6 Consistent Help</u> (Level A 2.2 only)	Supports	All help information in Open OnDemand is contained within a dropdown at the far right of the navigation bar, which is the same on every page.

Criteria	Conformance Level	Remarks and Explanations
3.3.1 Error Identification (Level A)	Supports	Invalid or missing input results in a message about the specific input and why it is invalid, as well as focusing the user back to that input.
3.3.2 Labels or Instructions (Level A)	Supports	Every input element is labeled in Open OnDemand. When possible, inputs are automatically determined and the user only needs to select from a dropdown.
3.3.7 Redundant Entry (Level A 2.2 only)	Supports	Inputs in Open OnDemand are auto populated with either existing information or a select dropdown when possible. When invalid inputs are submitted, they are not cleared but instead only described.
4.1.1 Parsing (Level A) WCAG 2.0 and 2.1 – Always answer 'Supports' WCAG 2.2 (obsolete and removed) - Does not apply	Supports	For WCAG 2.0 and 2.1, the September 2023 errata update indicates this criterion is always supported. See the WCAG 2.0 Editorial Errata and the WCAG 2.1 Editorial Errata .
4.1.2 Name, Role, Value (Level A)	Supports	Open OnDemand uses standard HTML inputs and buttons for interface controls, which can be read and set by assistive technologies.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	There is no prerecorded media in Open OnDemand.
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	There is no prerecorded media in Open OnDemand.
1.3.4 Orientation (Level AA 2.1 and 2.2)	Supports	There is no mechanism to set orientation in Open OnDemand, but devices' ability to set orientation will cause Open OnDemand to be resized appropriately. Open OnDemand can be used with

Criteria	Conformance Level	Remarks and Explanations
		a screen that is in either portrait or landscape orientation.
1.3.5 Identify Input Purpose (Level AA 2.1 and 2.2)	Not Applicable	Open OnDemand does not directly ask for any of the listed input purposes for this requirement.
1.4.3 Contrast (Minimum) (Level AA)	Supports	Text in Open OnDemand has acceptable color contrast.
1.4.4 Resize text (Level AA)	Supports	Some menus may collapse with text at 200% size, but functionality is fully maintained.
1.4.5 Images of Text (Level AA)	Supports	All images have customizable alternative text.
1.4.10 Reflow (Level AA 2.1 and 2.2)	Supports	There is no horizontal scrolling in Open OnDemand. Some menus may collapse, such as the navigation bar, at the width required by this criterion, but functionality is preserved.
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2)	Supports	Open OnDemand has acceptable color contrast.
1.4.12 Text Spacing (Level AA 2.1 and 2.2)	Supports	Text in Open OnDemand has acceptable spacing.
1.4.13 Content on Hover or Focus (Level AA 2.1 and 2.2)	Supports	The title attribute is used extensively throughout Open OnDemand, and information popovers can be dismissed and persists if a user moves focus to the popover.
2.4.5 Multiple Ways (Level AA)	Supports	The 'All Apps' page allows the user to access all core apps in the system.
2.4.6 Headings and Labels (Level AA)	Supports	Open OnDemand's content has appropriate headings and labels.
2.4.7 Focus Visible (Level AA)	Supports	When focusing on an element with a keyboard, it is highlighted. In a text box, there is a flashing vertical bar to display that text can be input.
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only)	Supports	Focused elements are never hidden in Open OnDemand.
2.5.7 Dragging Movements (Level AA 2.2 only)	Supports	Any dragging movements in Open OnDemand are nonessential.
2.5.8 Target Size (Minimum) (Level AA 2.2 only)	Supports	There are no undersized targets in Open OnDemand.
3.1.2 Language of Parts (Level AA)	Not Applicable	Open OnDemand does not contain parts of the page with different languages.

Criteria	Conformance Level	Remarks and Explanations
3.2.3 Consistent Navigation (Level AA)	Supports	The navigation bar is consistent across each set of webpages in Open OnDemand.
3.2.4 Consistent Identification (Level AA)	Supports	Elements are labeled consistently in Open OnDemand.
3.3.3 Error Suggestion (Level AA)	Supports	Users are notified of any errors with inputs.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	Input data is checked by OOD before form submission or file manipulation, and users can correct errors.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only)	Not Applicable	Authentication is not directly handled by Open OnDemand and depends on the software that a particular installation decides to use.
4.1.3 Status Messages (Level AA 2.1 and 2.2)	Supports	Status messages do not take focus in Open OnDemand.

Legal Disclaimer (Ohio Supercomputer Center)

OSC provides any Open OnDemand software and services on a best efforts and “as-is” basis and makes no representations or warranties as to the software and services provided. OSC further disclaims all implied warranties, including all implied warranties of merchantability or fitness for a particular purpose.