

SUSE Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: SUSE Linux Enterprise Server High Availability Extension 15

Report Date: January 6, 2021

Product Description: The product being reported is platform software and as such section 502 and 503 criteria are included along with WCAG criteria in chapter 5.

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Notes:

Evaluation Methods Used: Conformance levels were determined using evaluation processes that may include proprietary test processes, skilled accessibility testers and guidance from DHS Trusted Tester Program.

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 () Level AA () Level AAA ()

Standard/Guideline	Included In Report
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

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.
 3. **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 be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 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
<p>1.1.1 Non-text Content (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<p>1.2.1 Audio-only and Video-only (Prerecorded) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<p>1.2.2 Captions (Prerecorded) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<p>1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<p>1.3.1 Info and Relationships (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<p>1.3.2 Meaningful Sequence (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<p>1.3.3 Sensory Characteristics (Level A)</p>	Supports	

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
<u>1.4.1 Use of Color</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>1.4.2 Audio Control</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>2.1.1 Keyboard</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> ▪ 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	Hawk2 (the web interface for cluster administration) has some elements that are not accessible via the keyboard
<u>2.1.2 No Keyboard Trap</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>2.2.1 Timing Adjustable</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>2.2.2 Pause, Stop, Hide</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>2.3.1 Three Flashes or Below Threshold</u> (Level A)	Supports	

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
<u>2.4.1 Bypass Blocks</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	
<u>2.4.2 Page Titled</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>2.4.3 Focus Order</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>2.4.4 Link Purpose (In Context)</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
<u>3.1.1 Language of Page</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Does Not Support	Some documentation pages are missing a lang attribute for the top-level element..
<u>3.2.1 On Focus</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	

Criteria	Conformance Level	Remarks and Explanations
3.2.2 On Input (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	
4.1.1 Parsing (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Partially Supports	Axe reports some parsing errors on hawk2 pages (ie, id attributes that are not unique)
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> 501 (Web)(Software) 	Supports	

Criteria	Conformance Level	Remarks and Explanations
53. ▪ 602.3 (Support Docs)		
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) ▪ 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Does Not Support	The color contrast used in the web interface does not meet WCAG AA standards, per testing with axe.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
2.4.7 Focus Visible (Level AA) Also applies to:	Supports	

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports:	
3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	
3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	

Table 3: Success Criteria, Level AAA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
1.2.7 Extended Audio Description (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
1.2.8 Media Alternative (Prerecorded) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
1.2.9 Audio-only (Live) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
1.4.6 Contrast (Enhanced) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
1.4.7 Low or No Background Audio (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
1.4.8 Visual Presentation (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
1.4.9 Images of Text (No Exception) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.1.3 Keyboard (No Exception) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.2.3 No Timing (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.2.4 Interruptions (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.2.5 Re-authenticating (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.3.2 Three Flashes (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.4.8 Location (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.4.9 Link Purpose (Link Only) (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
2.4.10 Section Headings (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
3.1.3 Unusual Words (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
3.1.4 Abbreviations (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	
3.1.5 Reading Level (Level AAA) Revised Section 508 – Does not apply	Not Evaluated	

Criteria	Conformance Level	Remarks and Explanations
3.1.6 Pronunciation (Level AAA) Revised Section 508 - Does not apply	Not Evaluated	
3.2.5 Change on Request (Level AAA) Revised Section 508 - Does not apply	Not Evaluated	
3.3.5 Help (Level AAA) Revised Section 508 - Does not apply	Not Evaluated	
3.3.6 Error Prevention (All) (Level AAA) Revised Section 508 - Does not apply	Not Evaluated	

Revised Section 508 Report

Notes:

Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	The Orca screen reader is available for the GUI, and brltty provides Braille support in conjunction with orca. Cluster management can be performed through a web interface or a command line interface. .
302.2 With Limited Vision	PSupports	Gnome-shell (included in the base product) provides a magnifier..
302.3 Without Perception of Color	Supports	
302.4 Without Hearing	Supports	
302.5 With Limited Hearing	Supports	
302.6 Without Speech	Supports	
302.7 With Limited Manipulation	Supports	Accessibility options are available for the GUI, via the gnome-shell accessibility menu..
302.8 With Limited Reach and Strength	Supports	
302.9 With Limited Language, Cognitive, and Learning Abilities	Does Not Support	Depending on the specific disability, some people may find the content to be difficult to understand, although the operating system and its documentation have been translated into multiple languages.

Chapter 4: [Hardware](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
<u>402 Closed Functionality</u>	Heading cell - no response required	Heading cell - no response required
402.1 General	Heading cell - no response required	Heading cell - no response required
402.2 Speech-Output Enabled	Heading cell - no response required	Heading cell - no response required
402.2.1 Information Displayed On-Screen		
402.2.2 Transactional Outputs		
402.2.3 Speech Delivery Type and Coordination		
402.2.4 User Control		
402.2.5 Braille Instructions		
402.3 Volume	Heading cell - no response required	Heading cell - no response required
402.3.1 Private Listening		
402.3.2 Non-private Listening		
402.4 Characters on Display Screens		
402.5 Characters on Variable Message Signs		
<u>403 Biometrics</u>	Heading cell - no response required	Heading cell - no response required
403.1 General		
<u>404 Preservation of Information Provided for Accessibility</u>	Heading cell - no response required	Heading cell - no response required
404.1 General		
<u>405 Privacy</u>	Heading cell - no response required	Heading cell - no response required
405.1 General		
<u>406 Standard Connections</u>	Heading cell - no response required	Heading cell - no response required
406.1 General		
<u>407 Operable Parts</u>	Heading cell - no response required	Heading cell - no response required
407.2 Contrast		
407.3 Input Controls	Heading cell - no response required	Heading cell - no response required
407.3.1 Tactilely Discernible		
407.3.2 Alphabetic Keys		
407.3.3 Numeric Keys		
407.4 Key Repeat		
407.5 Timed Response		

Criteria	Conformance Level	Remarks and Explanations
407.6 Operation		
407.7 Tickets, Fare Cards, and Keycards		
407.8 Reach Height and Depth	Heading cell - no response required	Heading cell - no response required
407.8.1 Vertical Reference Plane		
407.8.1.1 Vertical Plane for Side Reach		
407.8.1.2 Vertical Plane for Forward Reach		
407.8.2 Side Reach		
407.8.2.1 Unobstructed Side Reach		
407.8.2.2 Obstructed Side Reach		
407.8.3 Forward Reach		
407.8.3.1 Unobstructed Forward Reach		
407.8.3.2 Obstructed Forward Reach		
407.8.3.2.1 Operable Part Height for ICT with Obstructed Forward Reach		
407.8.3.2.2 Knee and Toe Space under ICT with Obstructed Forward Reach		
<u>408 Display Screens</u>	Heading cell - no response required	Heading cell - no response required
408.2 Visibility		
408.3 Flashing		
<u>409 Status Indicators</u>	Heading cell - no response required	Heading cell - no response required
409.1 General		
<u>410 Color Coding</u>	Heading cell - no response required	Heading cell - no response required
410.1 General		
<u>411 Audible Signals</u>	Heading cell - no response required	Heading cell - no response required
411.1 General		
<u>412 ICT with Two-Way Voice Communication</u>	Heading cell - no response required	Heading cell - no response required
412.2 Volume Gain	Heading cell - no response required	Heading cell - no response required
412.2.1 Volume Gain for Wireline Telephones		
412.2.2 Volume Gain for Non-Wireline ICT		
412.3 Interference Reduction and Magnetic Coupling	Heading cell - no response required	Heading cell - no response required
412.3.1 Wireless Handsets		

Criteria	Conformance Level	Remarks and Explanations
412.3.2 Wireline Handsets		
412.4 Digital Encoding of Speech		
412.5 Real-Time Text Functionality	Reserved for future	Reserved for future
412.6 Caller ID		
412.7 Video Communication		
412.8 Legacy TTY Support	Heading cell - no response required	Heading cell - no response required
412.8.1 TTY Connectability		
412.8.2 Voice and Hearing Carry Over		
412.8.3 Signal Compatibility		
412.8.4 Voice Mail and Other Messaging Systems		
413 Closed Caption Processing Technologies	Heading cell - no response required	Heading cell - no response required
413.1.1 Decoding and Display of Closed Captions		
413.1.2 Pass-Through of Closed Caption Data		
414 Audio Description Processing Technologies	Heading cell - no response required	Heading cell - no response required
414.1.1 Digital Television Tuners		
414.1.2 Other ICT		
415 User Controls for Captions and Audio Descriptions	Heading cell - no response required	Heading cell - no response required
415.1.1 Caption Controls		
415.1.2 Audio Description Controls		

Chapter 5: [Software](#)

Notes: Features discussed in this chapter are provided by the base (SUSE Linux Enterprise Server) platform.

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope - Incorporation of WCAG 2.0 AA	See WCAG 2.0 section	See information in WCAG 2.0 section
502 Interoperability with Assistive Technology	Heading cell - no response required	Heading cell - no response required
502.2.1 User Control of Accessibility Features	Supports	Via accessibility menu in gnome-shell / meta+alt+s to toggle screen reader.

502.2.2 No Disruption of Accessibility Features	Supports	
502.3 Accessibility Services	Heading cell - no response required	Heading cell - no response required
502.3.1 Object Information	Supports	Via AT-SPI.
502.3.2 Modification of Object Information	Supports	Via AT-SPI.
502.3.3 Row, Column, and Headers	Supports	Via AT-SPI.
502.3.4 Values	Supports	Via AT-SPI.
502.3.5 Modification of Values	Supports	Via AT-SPI.
502.3.6 Label Relationships	Supports	Via AT-SPI.
502.3.7 Hierarchical Relationships	Supports	Via AT-SPI.
502.3.8 Text	Supports	Via AtspiText
502.3.9 Modification of Text	Supports	Via AtspiEditableText
502.3.10 List of Actions	Supports	Via AtspiAction.
502.3.11 Actions on Objects	Supports	Via AtspiAction.
502.3.12 Focus Cursor	Supports	
502.3.13 Modification of Focus Cursor	Supports	Via atspi_component_grab_focus
502.3.14 Event Notification	Supports	Via AT-SPI.
502.4 Platform Accessibility Features	Supports	.
<u>503 Applications</u>	Heading cell - no response required	Heading cell - no response required
503.2 User Preferences	Supports	The gnome-shell accessibility menu allows features to be enabled..
503.3 Alternative User Interfaces	Supports	
503.4 User Controls for Captions and Audio Description	Heading cell - no response required	Heading cell - no response required
503.4.1 Caption Controls	Supports	SUSE Linux Enterprise Server does not include video content.
503.4.2 Audio Description Controls	Supports	SUSE Linux Enterprise Server does not include video content.
<u>504 Authoring Tools</u>	Heading cell - no response required	Heading cell - no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See WCAG 2.0 section	See information in WCAG 2.0 section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	
504.2.2 PDF Export	Not Applicable	

504.3 Prompts	Not Applicable	
504.4 Templates	Not Applicable	

Chapter 6: [Support Documentation and Services](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	Customer support may provide this information on demand
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG 2.0 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	Alternate formats may be provided on demand
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	Customer support may provide this information on demand
603.3 Accommodation of Communication Needs	Supports	SUSE support available 24/7 1-800-858-4000. For customers in the US, TTY/TDD 1-800-711-3484

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