

Qumulo Accessibility Conformance Report Revised Section 508 Edition

VPAT® Version 2.3 – December 2018

Name of Product/Version: Qumulo Software 2.12.1

Product Description: Hybrid cloud file storage management software

Date: April 30, 2019

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Notes: None

Evaluation Methods Used: Testing is based on general product knowledge. Manual test of software done by employee who previously processed VPATs and utilized <u>WebAIM Color Contrast Checker</u> as well as <u>AChecker</u>

Applicable Standards/Guidelines: Manual evaluation against Web Content Accessibility Guidelines as well as WebAIM Color contrast checker

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

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0, at	Level A (Yes)
http://www.w3.org/TR/2008/REC-WCAG20-20081211/	Level AA (Yes)
	Level AAA (No)



Revised Section 508 standards as published by the U.S. Access Board in the Federal	
Register on January 18, 2017	
Corrections to the ICT Final Rule as published by the US Access Board in the Federal	(Yes)
Register on January 22, 2018	

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 be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with:

- 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 <a href="https://www.wcashedu.com/wcashed



Table 1: Success Criteria, Level A

- **Software:** refers to our software solution, which provides a browser-based (WebUI) and Command Line Interface (CLI). The focus of this evaluation is the browser-based interface
- **Electronic Docs** refers to the non-authenticated version of the Knowledge Base which is web based and public facing. We use ZenDesk to host our Knowledge Base. This tool became A and AA compliant this year, we are in the process of making improvements to make our Knowledge Base more accessible. <u>See the Zendesk VPAT</u>.
- We removed "Web" and "Authoring Tool" as they are not applicable to this VPAT

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partially Supports	Electronic Docs:
Also applies to:		Alternative text on images in KB
Revised Section 508		articles is generated.
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		A few non-essential images on
• 602.3 (Support Docs)		global template do not contain
		alternative text.
		Software:
		Data visualizations do not contain
		text-only alternatives.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	The software and documentation
Also applies to:		do not use audio-only or video-only
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		



1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: Does Not Support Software: Not Applicable	Electronic Docs: Most of our videos are media alternatives for text. We need to properly link to the text alternatives. We are in the process of moving all our videos to a platform where they will get captioned Software: The software does not use video that requires captions.
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: Partially Supports Software: Not Applicable	Electronic Docs: Most of our videos are media alternatives for text. We need to properly link to the text alternatives. In addition, we are in the process of moving all our videos to a platform where they will have transcripts Software: The software does not use video that would warrant audio descriptions or media alternative.
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Partially Supports	Electronic Docs: The knowledgebase of this product supports this criteria with the exception of data tables in articles



 504.2 (Authoring Tool) 602.3 (Support Docs) 		and the global search element which needs descriptive label Software: The product supports this criteria with the exception of two data tables
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
1.4.1 Use of Color (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: supports Software: Partially Supports	Software: The software meets this criteria with the exception of some of the data visualizations which do not combine color with texture to differentiate elements.
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508	Not Applicable	



 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 		
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: Supports Software: Partially Supports	Software: The software supports this criteria with the exception of data visualizations which cannot be navigated by keyboard
2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Our software and Knowledge base did not run into a keyboard trap during our testing.
2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	
2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: Supports Software: Partially Supports	Software: Our software uses real-time status throughout the product, which requires content to be refresh to keep the status accurate at all times.



2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Our software and knowledge base do not use flashing of content.
2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508 • 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	Electronic Docs: Partially Supports Software: Supports	Electronic Docs: The Knowledge base mostly meets this criteria with the exception of subheadings which are not using HTML headings.
2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Our software and knowledge base did not notice an issue with focus order
2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508	Electronic Docs: Partially Supports	Electronic Docs: Our knowledge base mostly meets



 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Supports	this criteria with a few exceptions of "here" links Software: The software supports this criteria.
3.1.1 Language of Page (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
3.2.2 On Input (Level A) Also applies to: Revised Section 508 • 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 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Supports	



• 602.3 (Support Docs)		
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	
4.1.1 Parsing (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: Partially Supports Software: Supports	Electronic Docs: Our knowledge base supports this criteria with the exception of a parsing bug of two elements with the same ID attribute. It is unclear if this particular concern will affect how assistive technology interacts with this particular element.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	

Table 2: Success Criteria, Level AA



• See notes on Success Criteria, Level A, above

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	Electronic Docs: We have not noticed a video that requires additional audio description which could not be resolved with our KB articles alone or captions in the videos
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	Electronic Docs: Our knowledge base meets this criteria with the exception of the contrast between text-to-link-to-background Software: The software mostly meets this criteria with the exception of some text-to-background contrast with a few components.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508	Supports	Browsers can easily zoom to increase text size beyond 200% without breaking interface



 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 		
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 • 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 • 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	Electronic Docs: Supports Software: not applicable	Electronic Docs: Users can navigate to a KB article or use search Software: not applicable. We also conduct usability studies and other User Centered Design methods in our design process.
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: Partially supports Software: supports	Electronic Docs: Our knowledge base mostly supports this criteria with the exception of a double header which has not been tested with assistive technology to see if this causes problems
2.4.7 Focus Visible (Level AA) Also applies to:	Electronic Docs: Supports	Software: Our software mostly supports this



Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Partially Supports	criteria, with the exception of data visualizations with interaction. These visualizations do not support keyboard navigation.
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	
3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 • 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 508 501 (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	Through our testing, we did not find evidence of this to be an issue with our software or knowledge base. We run usability studies to help ensure consistent identification of iconography
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508	Electronic Docs: Not Applicable	Software: Our software supports this criteria, with the exception of some forms



 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Partially Supports	which do no provide errors with contextual suggestions.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Electronic Docs: Not Applicable Software: Supports	Software: Our software makes an effort to provide error prevention on actions that may cause destruction of data on our WebUI. In addition, we have introduced error prevention in our CLI even though it is not very common on this type of interface.

Table 3: Success Criteria, Level AAA

- **Software:** refers to our software solution, which is web-based.
- **Electronic Docs** refers to our Knowledge base which is web based and public facing. We use zendesk as to host our Knowledge Base. This tool became A and AA compliant this year, we are in the process of making improvements to make our Knowledge Base more accessible. See the Zendesk VPAT.

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA) Also applies to: Revised Section 508 – Does not apply	Electronic Docs: Not Evaluated	
Nevised Section 300 - Does not apply	Software: Not applicable	



1.2.7 Extended Audio Description (Prerecorded) (Level AAA) Also applies to: Revised Section 508 – Does not apply	Electronic Docs: Does not support Software: not applicable
1.2.8 Media Alternative (Prerecorded) (Level AAA) Also applies to: Revised Section 508 – Does not apply	Electronic Docs: Does not support Software: not applicable
1.2.9 Audio-only (Live) (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not applicable
1.4.6 Contrast Enhanced (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated
1.4.7 Low or No Background Audio (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated
1.4.8 Visual Presentation (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated
1.4.9 Images of Text (No Exception) Control (Level AAA) Also applies to: Revised Section 508 – Does not apply	Supported



2.1.3 Keyboard (No Exception) (Level AAA) Also applies to: Revised Section 508 – Does not apply	Electronic Docs: Supported Software: not supported	Software: Data Visualizations do not support keyboard navigation
2.2.3 No Timing (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not applicable	
2.2.4 Interruptions (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not applicable	
2.2.5 Re-authenticating (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated	
2.3.2 Three Flashes (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not applicable	
2.4.8 Location (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated	
2.4.9 Link Purpose (Link Only) (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated	
2.4.10 Section Headings (Level AAA) Also applies to:	Not Evaluated	



Revised Section 508 – Does not apply		
3.1.3 Unusual Words (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated	
3.1.4 Abbreviations (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated	
3.1.5 Reading Level (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated	
3.1.6 Pronunciation (Level AAA) Also applies to: Revised Section 508 – Does not apply	Does not support	
3.2.5 Change on Request (Level AAA) Also applies to: Revised Section 508 – Does not apply	Not Evaluated	
3.3.5 Help (Level AAA) Also applies to: Revised Section 508 – Does not apply	Electronic Docs: Not Applicable Software: Not Evaluated	Software: Our software makes an effort to make context sensitive help, but this aspect was not fully evaluated.
3.3.6 Error Prevention (All) (Level AAA) Also applies to:	Not Evaluated	



Revised Section 508 – Does not apply	
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Revised Section 508 Report

Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes: This chapter is focusing on the Qumulo software as it is applicable to this chapter

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partial Support	This product supports assistive technologies to operate the product without vision, with the exception of (1) it's complex of data visualizations, and (2) two complex data tables
302.2 With Limited Vision	Partial Support	This product works well with operating system magnifiers as well as browser-based zoom functionality. Most text in the product conforms to level AA color contrast requirements, but some areas in the product do not.
302.3 Without Perception of Color	Partial Support	This product does not require perception of color, with the



		exception of data visualizations which have more than one data points.
302.4 Without Hearing	Supported	This product does not require hearing to operate or manage the system.
302.5 With Limited Hearing	Supported	This product does not require hearing to operate or manage the system.
302.6 Without Speech	Supported	This product does not require speech to operate the system.
302.7 With Limited Manipulation	Partially support	This product does not require fine motor control and can be managed with the keyboard alone, with the exception of some data visualizations.
302.8 With Limited Reach and Strength	Not applicable	
302.9 With Limited Language, Cognitive, and Learning Abilities	Partial support	This product supports this criteria up to Level AA, with the exception of some forms that do not provide in context suggestions to improve filling out forms.



Chapter 4: Hardware

Notes: Qumulo file storage system hardware is installed in the data center by Qumulo Professional Services, and is typically located in an area frequented only by service personnel for the purposes of installation, maintenance and repair. The Qumulo user interface allows for remote operation and can be paired with any modern accessibility software and assistive technology to make the Qumulo system accessible. There are no displays, audio devices, or tactile controls connected directly to Qumulo hardware.

We removed the following sections as they are not applicable to this VPAT:

- 402 Closed Functionality. Qumulo hardware is not a closed system (ie a kiosk). Qumulo hardware is installed in a data center and is accessed remotely through Qumulo software as described in Tables 1 and 2.
- 403 Biometrics. There are no biometrics required to access Qumulo hardware.
- 404 Preservation of Information Provided for Accessibility. No accessibility information is collected via Qumulo hardware.
- 405 Privacy. Accessibility is managed through a browser-based interface at any workstation, so privacy at the hardware is not applicable.
- 406 Standard Connections. The data connectors on Qumulo hardware are not used for accessibility. Accessibility is managed through a web interface at any workstation.
- 407 Operable Parts. Qumulo hardware is located in the data center, frequented only by service personnel for the purposes of installation, maintenance and repair. According to E202.5 ICT Functions Located in Maintenance or Monitoring Spaces, status indicators and operable parts are not required to conform.
- 408 Display Screens. There is no display screen attached to Qumulo hardware.
- 409 Status Indicators. Qumulo hardware is located in the data center, frequented only by service personnel for the purposes of
 installation, maintenance and repair. According to E202.5 ICT Functions Located in Maintenance or Monitoring Spaces, status indicators
 and operable parts are not required to conform.
- 410 Color Coding. Qumulo hardware is located in the data center, frequented only by service personnel for the purposes of installation, maintenance and repair. According to E202.5 ICT Functions Located in Maintenance or Monitoring Spaces, status indicators and operable parts are not required to conform.
- 411 Audible Signals. Qumulo hardware does not use audible signals or cues to convey information, indicate an action, or prompt a response.
- 412 ICT with Two-Way Voice Communication. Qumulo hardware does not provide two-way voice communication.
- 413 Closed Caption Processing Technologies. Qumulo hardware does not display or process video with audio.



• 414 Audio Description Processing Technologies. Qumulo hardware does not display or process video with audio.

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See <u>WCAG 2.0</u> section	See information in WCAG section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Not applicable	The product is not considered platform software and thus not subject to the requirement of this criteria.
502.2.2 No Disruption of Accessibility Features	Supports	The product is compatible with operating system accessibility features configured by the user.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Not applicable	The product is not considered platform software
502.3.2 Modification of Object Information	Not applicable	The product is not considered platform software



502.3.3 Row, Column, and Headers	Not applicable	The product is not considered platform software
502.3.4 Values	Not applicable	The product is not considered platform software
502.3.5 Modification of Values	Not applicable	The product is not considered platform software
502.3.6 Label Relationships	Not applicable	The product is not considered platform software
502.3.7 Hierarchical Relationships	Not applicable	The product is not considered platform software
502.3.8 Text	Not applicable	The product is not considered platform software
502.3.9 Modification of Text	Not applicable	The product is not considered platform software
502.3.10 List of Actions	Not applicable	The product is not considered platform software
502.3.11 Actions on Objects	Not applicable	The product is not considered platform software
502.3.12 Focus Cursor	Not applicable	The product is not considered platform software



502.3.13 Modification of Focus Cursor	Not applicable	The product is not considered platform software
502.3.14 Event Notification	Not applicable	The product is not considered platform software
502.4 Platform Accessibility Features	Not applicable	The product is not considered platform software
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Supports	The product respects user preferences from platform or OS settings, e.g. if a user enables invert colors or increases the display contrast, the user interface will change accordingly.
503.3 Alternative User Interfaces	Not applicable	The product does not provide any alternative user interfaces that function as assistive technology.
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	Not Applicable
503.4.2 Audio Description Controls	Not Applicable	Not Applicable



504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	Not Applicable	Not Applicable
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	Not Applicable
504.2.2 PDF Export	Not Applicable	Not Applicable
504.3 Prompts	Not Applicable	Not Applicable
504.4 Templates	Not Applicable	Not Applicable

Chapter 6: Support Documentation and Services

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	Supported	The product does not require accessibility features beyond common functionality provided by web browsers



602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG section
602.4 Alternate Formats for Non-Electronic Support Documentation	Supported	Support services are available via webpage, email, phone or slack
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supported	Support services are available via webpage, email, phone or slack
603.3 Accommodation of Communication Needs	Supported	

Legal Disclaimer (Company)

This Voluntary Product Accessibility Template (VPAT) is for informational purposes only and provides guidance on the accessibility characteristics of the herein described Qumulo, Inc. products and versions as of the date listed.