



NetApp Accessibility Conformance Report

VPAT® Version 2.1

NetApp Data ONTAP 9.x OS

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Name of Product/Version

Name of Product: NetApp Data ONTAP OS

Version: 9.x

Product Description

Product is an operating system for storage appliances and uses a command line interface.

Notes

This Voluntary Product Accessibility Template (VPAT) provides guidance on the accessibility characteristics of **NetApp Data ONTAP 9.x OS** as of **October 9, 2018** and is only valid for the version and date it was tested.

Evaluation Methods Used

The product was tested using PuTTY (terminal emulator) on Windows.

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, at http://www.w3.org/TR/2008/REC-WCAG20-20081211/	Level A (Yes) Level AA (Yes) Level AAA (No)
<u>Revised Section 508 standards</u> as published by the U.S. Access Board in the Federal Register on January 18, 2017 <u>Corrections to the ICT Final Rule</u> as published by the US Access Board in the Federal Register on January 22, 2018	Yes

EN 301 549 Accessibility requirements suitable for public procurement of ICT products and services in Europe, at http://mandate376.standards.eu/standard	No
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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.
- **Supports with Exceptions:** 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:

- Revised Section 508: Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing, and 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

Criteria	Conformance Level	Remarks and Explanations
<u>1.1.1 Non-text Content</u> (Level A) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	Images are not used.
<u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	Multimedia is not used.
<u>1.2.2 Captions (Prerecorded)</u> (Level A) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	Multimedia is not used.
<u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	Multimedia is not used.
<u>1.3.1 Info and Relationships</u> (Level A) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The command line interface is text based and sufficient information is provided about the text.
<u>1.3.2 Meaningful Sequence</u> (Level A) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Correct reading sequences can be programmatically determined.

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.3.3 Sensory Characteristics</u> (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Instructions and content do not rely solely on sensory characteristics of components.
<p><u>1.4.1 Use of Color</u> (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Color coding is not used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.
<p><u>1.4.2 Audio Control</u> (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No videos or audio recordings launch automatically when a page is loaded.
<p><u>2.1.1 Keyboard</u> (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The command line interface is keyboard operable.
<p><u>2.1.2 No Keyboard Trap</u> (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	No keyboard trap present.
<p><u>2.2.1 Timing Adjustable</u> (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	A timed response is not required.

Criteria	Conformance Level	Remarks and Explanations
<p>2.2.2 Pause, Stop, Hide (Level A)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	The application does not contain moving content to pause, stop, or hide.
<p>2.3.1 Three Flashes or Below Threshold (Level A)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Flashing or blinking does not occur in the prohibited range.
<p>2.4.1 Bypass Blocks (Level A)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Not Applicable	The product is non-web software.
<p>2.4.2 Page Titled (Level A)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	A command line interface does not use page titles.
<p>2.4.3 Focus Order (Level A)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Focus order follows reading order.
<p>2.4.4 Link Purpose (In Context) (Level A)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	A command line does not use links.

Criteria	Conformance Level	Remarks and Explanations
<p>3.1.1 Language of Page (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The default human language can be programmatically determined.
<p>3.2.1 On Focus (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Gaining focus on components does not initiate a change of context.
<p>3.2.2 On Input (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Changing the setting of user interface components does not automatically cause a change of context.
<p>3.3.1 Error Identification (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Error messages are programmatically available.
<p>3.3.2 Labels or Instructions (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The command line interface is text based and sufficient information is provided about the text.
<p>4.1.1 Parsing (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	The software application runs.

Criteria	Conformance Level	Remarks and Explanations
<p>4.1.2 Name, Role, Value (Level A)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The command line interface is text based and sufficient information is provided about the text.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
<p>1.2.4 Captions (Live) (Level AA)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No multimedia used.
<p>1.2.5 Audio Description (Prerecorded) (Level AA)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No multimedia used.
<p>1.4.3 Contrast (Minimum) (Level AA)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The application meets the required contrast ratios.
<p>1.4.4 Resize text (Level AA)</p> <p>Also applies to: 2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Text can be resized without loss of content or functionality.

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.4.5 Images of Text</u> (Level AA)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Images of text are not used.
<p><u>2.4.5 Multiple Ways</u> (Level AA)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Not Applicable	The product is non-web software.
<p><u>2.4.6 Headings and Labels</u> (Level AA)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	A command line interface uses text only and does not use headings and labels.
<p><u>2.4.7 Focus Visible</u> (Level AA)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The focus is well defined visually and is programmatically exposed to assistive technology.
<p><u>3.1.2 Language of Parts</u> (Level AA)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The default human language can be programmatically determined.
<p><u>3.2.3 Consistent Navigation</u> (Level AA)</p> <p>Also applies to:</p> <p>2017 Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Not Applicable	The product is non-web software.

Criteria	Conformance Level	Remarks and Explanations
<u>3.2.4 Consistent Identification</u> (Level AA) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Not Applicable	The product is non-web software.
<u>3.3.3 Error Suggestion</u> (Level AA) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Error messages are programmatically available.
<u>3.3.4 Error Prevention (Legal, Financial, Data)</u> (Level AA) Also applies to: 2017 Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	Application does not cause legal commitments or financial transactions to occur for the user.

Table 3: Success Criteria, Level AAA

Notes: Product was not tested to WCAG 2.0 AAA level.

2017 Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	The application is keyboard operable. The command line interface is text based and sufficient information is provided about the text. It is accessed by a terminal application; the user should use an accessible terminal emulator.

Criteria	Conformance Level	Remarks and Explanations
302.2 With Limited Vision	Supports	<p>The application is keyboard operable.</p> <p>The command line interface is text based and sufficient information is provided about the text.</p> <p>The application can be used by users with low visual acuity when combined with screen magnification assistive technology.</p> <p>The application meets the required contrast ratios.</p>
302.3 Without Perception of Color	Supports	Color coding is not used as the sole means of conveying information.
302.4 Without Hearing	Supports	The application does not require user hearing.
302.5 With Limited Hearing	Supports	The application does not require user hearing.
302.6 Without Speech	Supports	Does not require user speech.
302.7 With Limited Manipulation	Supports	The application is keyboard operable.
302.8 With Limited Reach and Strength	Supports	The application is keyboard operable.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	

Chapter 4: Hardware

Notes: This product is not hardware and therefore this section is not applicable to the product.

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.0 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 application is an operating system that has a command line interface. No graphical user interface. No accessibility services other than providing text to attached terminal.

Criteria	Conformance Level	Remarks and Explanations
502.2.2 No Disruption of Accessibility Features	Supports	The application does not interfere with operating system accessibility features of an attached terminal.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.2 Modification of Object Information	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.3 Row, Column, and Headers	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.4 Values	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.5 Modification of Values	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.6 Label Relationships	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.7 Hierarchical Relationships	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.8 Text	Supports	Textual information is programmatically available. Access is dependent on a terminal emulator and users should use an accessible one.
502.3.9 Modification of Text	Supports	Text can be set programmatically.
502.3.10 List of Actions	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.11 Actions on Objects	Supports	The command line interface is text based and sufficient information is provided about the text.
502.3.12 Focus Cursor	Supports	Focus attributes are programmatically available.
502.3.13 Modification of Focus Cursor	Supports	Focus attributes can be set programmatically.

Criteria	Conformance Level	Remarks and Explanations
502.3.14 Event Notification	Supports	The command line interface is text based and sufficient information is provided about the text.
502.4 Platform Accessibility Features	Not Applicable	The application uses a command line interface and not a graphical user interface. Additional accessibility support is dependent on the accessing terminal emulator.
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Not Applicable	The accessing terminal emulator software is responsible for text presentation.
503.3 Alternative User Interfaces	Not Applicable	The application does not provide an alternative user interface and is not 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	No volume or program selection controls present.
503.4.2 Audio Description Controls	Not Applicable	No volume or program selection controls present.
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”)	See WCAG 2.0 section	See information in WCAG section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	The application is not an authoring tool.
504.2.2 PDF Export	Not Applicable	The application is not an authoring tool.
504.3 Prompts	Not Applicable	The application is not an authoring tool.
504.4 Templates	Not Applicable	The application is not an authoring tool.

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	Supports	The documentation is in electronic format and can be converted to other formats.
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG section

Criteria	Conformance Level	Remarks and Explanations
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	The documentation is in electronic format and can be converted to other formats.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	The NetApp accessibility statement can be found here: https://www.netapp.com/us/legal/accessibility.aspx
603.3 Accommodation of Communication Needs	Supports with Exceptions	NetApp provides support for Technical Support via Online Chat, Telephone and E-mail. At this time, NetApp does not have a dedicated TTY line available.

Legal Disclaimer (Company)

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