

VPAT™

Voluntary Product Accessibility Template®

Version 1.3

The purpose of the **Voluntary Product Accessibility Template**, or **VPAT™**, is to assist Federal contracting officials and other buyers in making preliminary assessments regarding the availability of commercial “Electronic and Information Technology” products and services with features that support accessibility. It is assumed and recommended that offerers will provide additional contact information to facilitate more detailed inquiries.

The first table of the Template provides a summary view of the Section 508 Standards. The subsequent tables provide more detailed views of each subsection. There are three columns in each table. Column one of the Summary Table describes the subsections of subparts B and C of the Standards. The second column describes the supporting features of the product or refers you to the corresponding detailed table, e.g., “equivalent facilitation.” The third column contains any additional remarks and explanations regarding the product. In the subsequent tables, the first column contains the lettered paragraphs of the subsections. The second column describes the supporting features of the product with regard to that paragraph. The third column contains any additional remarks and explanations regarding the product.

Date: 06/01/2017

Name of Product: Red Hat Ceph Storage (RHCS) 2.2, Red Hat Storage Console (RHSC) 3.0

Contact for more Information (name/phone/email):

Summary Table		
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<i>Criteria</i>	Supporting Features	Remarks and explanations

Section 1194.21 Software Applications and Operating Systems	See below for supported features	The information provided in the section below is for Red Hat Ceph Storage (RHCS) in command line mode
Section 1194.22 Web-based Internet Information and Applications	See below for supported features	The information provided in the section below is for Red Hat Storage Console (RHSC), which is a web based GUI management tool for Red Hat Ceph Storage.
Section 1194.23 Telecommunications Products	NA	
Section 1194.24 Video and Multi-media Products	NA	
Section 1194.25 Self-Contained, Closed Products	NA	
Section 1194.26 Desktop and Portable Computers	NA	
Section 1194.31 Functional Performance Criteria	See below for supported features	
Section 1194.41 Information, Documentation and Support	See below for supported features	

<p><i>Section 1194.21 Software Applications and Operating Systems – Detail</i></p> <p>VPAT™</p> <p>Voluntary Product Accessibility Template®</p>		
<i>Criteria</i>	Supporting Features	Remarks and explanations

<p>(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.</p>	<p>Supported.</p>	<p>All commands are typed and executed from the keyboard via a terminal software or terminal emulator.</p>
<p>(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.</p>	<p>Supported</p>	<p>No sub-system and feature within RHCS will disrupt or disable accessibility features.</p>
<p>(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.</p>	<p>Not Applicable</p>	<p>Command line mode does not have UI elements. The cursor in in any standard terminal software or terminal emulator used to access the command line will indicate the current location on screen.</p>
<p>(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.</p>	<p>Not Applicable</p>	<p>Command line mode does not have UI elements. The cursor in in any standard terminal or terminal emulator software used to access the command line will indicate the current location on screen and is available via the</p>

		industry standard terminal command codes.
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.	Not Applicable	No images are used in the command line mode
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	Supported	In command line mode all the text is available via the terminal software or terminal emulator. The cursor in in any standard terminal software used to access the command line will indicate the current input location on screen, the input and output text will be displayed on the terminal and is available via the industry standard terminal command codes. The appearance and formatting of text in the terminal can be customized to whatever terminal software or terminal emulator supports
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supported	No sub-system and feature within RHCS will override these features.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Not Supported	No animations in command line mode

(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supported	In command line mode all the text is available via the terminal software or terminal emulator. All the display settings of the terminal software will work.
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Supported	In command line mode all the text is available via the terminal software. All the display settings and features of the terminal software will work.
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	Supported	
(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Not Applicable	No form based data input in command line mode.

**Section 1194.22 Web-based Internet information
and applications – Detail**

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<i>Criteria</i>	Supporting Features	Remarks and explanations
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<p>(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).</p>	<p>Supported</p>	<p>Most of the non-text elements in Red Hat Storage Console (RHSC) have a non text equivalent. Specifically, images that have a function, e.g. icons have alternative text which describes the associated function.</p>
<p>(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.</p>	<p>Not applicable</p>	<p>Not applicable</p>
<p>(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.</p>	<p>Supported</p>	<p>Color is not used solely to convey important information.</p>
<p>(d) Documents shall be organized so they are readable without requiring an associated style sheet.</p>	<p>Partially Supported</p>	<p>Style sheets are used for layout, but the web pages are still readable and understandable (even if less visually appealing) when the style sheet is turned off.</p>
<p>(e) Redundant text links shall be provided for each active region of a server-side image map.</p>	<p>Not Applicable</p>	<p>Not Applicable</p>
<p>(f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.</p>	<p>Not Applicable</p>	<p>Not Applicable</p>
<p>(g) Row and column headers shall be identified for data tables.</p>	<p>Supported</p>	<p>Data tables and list views have column and/or row headers appropriately identified.</p>
<p>(h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.</p>	<p>Supported</p>	<p>Data table cells in tree tables and list views expansions are associated with the appropriate headers.</p>

(i) Frames shall be titled with text that facilitates frame identification and navigation	Supported	Each frame has a title that describes the frame's purpose or content.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supported	No element on the page flashes at a rate of 2 to 55 cycles per second.
(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.	Partially Supported	Some pages can render text-only version when there is no other way to make the content accessible or when it offers significant advantages over the main version for certain disability types.
(l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by Assistive Technology.	Partially Supported	
(m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l).	Not applicable	RHSC does not use applets.
(n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supported	All input field elements in RHSC has descriptive labels.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supported	A link is provided to skip over navigational elements, including

		menus and wizards. A good heading structure also facilitates navigation.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	Not applicable

Section 1194.31 Functional Performance Criteria

– Detail

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Criteria	Supporting Features	Remarks and explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supported with conditions	RHCS requires that this functionality must be provided and supported by the terminal software being used to access the command line.

<p>(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.</p>	<p>Supported with conditions</p>	<p>RHCS requires that this functionality must be provided and supported by the terminal software being used to access the command line.</p>
<p>(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided</p>	<p>Supported with conditions</p>	<p>RHCS requires that this functionality must be provided and supported by the terminal software being used to access the command line.</p>
<p>(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.</p>	<p>Supported with conditions</p>	<p>RHCS requires that this functionality must be provided and supported by the terminal software being used to access the command line.</p>
<p>(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.</p>	<p>Supported with conditions</p>	<p>RHCS requires that this functionality must be provided and supported by the terminal software being used to access the command line.</p>

(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supported with conditions	RHCS requires that this functionality must be provided and supported by the terminal software being used to access the command line.
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<p>Section 1194.41 Information, Documentation and Support – Detail</p> <p>VPAT™</p> <p>Voluntary Product Accessibility Template®</p>		
<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Supported	<p>RHCS documentation is available in electronic form and can be downloaded from here: https://access.redhat.com/documentation/ Most of our manuals are available in pdf and html forms.</p>

<p>(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.</p>	<p>Not Supported</p>	
<p>(c) Support services for products shall accommodate the communication needs of end-users with disabilities.</p>	<p>Supported</p>	<p>Customer support services can be contacted using phone, web-interface or email. Customer support personnel is familiar with product's accessibility features and can advise end-users regarding customization necessary to enable these features. Additional information can be found here: http://www.redhat.com/solutions/government/accessibility/</p>