

Voluntary Product Accessibility



01 May, 2018

Product Name:

Quest SQL Optimizer for DB2 LUW

Product Version:

4.4.0

Contact for more information:

<http://www.quest.com/legal/section-508.aspx>

Summary Table

Criteria	Supporting Features	Remarks and explanations
Section 1194.21: Software Applications and Operating Systems	Supported. Please refer to the attached VPAT	
Section 1194.22: Web-based internet information and applications		QSODB2 4.4.0 is not considered as a web-based internet information and applications.
Section 1194.23: Telecommunications Products		QSODB2 4.4.0 is not considered as a telecommunications product.
Section 1194.24: Video and Multi-media Products		QSODB2 4.4.0 does not use Video and Multi-media.
Section 1194.25: Self-Contained, Closed Products		QSODB2 4.4.0 is not a self-contained product.
Section 1194.26: Desktop and Portable Computers		QSODB2 4.4.0 is software as defined under section 1194.21.
Section 1194.31: Functional Performance Criteria	Supported. Please refer to the attached VPAT.	
Section 1194.41: Information, Documentation and Support	Supported. Please refer to the attached VPAT.	

Section 1194.21 Software applications and operating systems

Criteria	Supporting Features	Remarks and explanations
(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>Supported with minor exceptions: QSODB2 4.4.0 supports Microsoft Windows accessibility features including StickyKeys, FilterKeys, Magnifier, Narrator, and High Contrast.</p> <p>Keyboard access is provided throughout QSODB2 4.4.0 and its help system. Keyboard shortcuts, shortcut keys, and menu commands are readily available.</p>	<p>Minor exceptions in QSODB2 4.4.0 applications involve limited keyboard access:</p> <ol style="list-style-type: none"> 1. The tab pages in the application cannot be navigated by using keyboard, including the SQL Tab pages in the Optimizer Window, tab pages in Options Window. 2. The navigation bar buttons appeared in the Options Window cannot be selected by using keyboard. Example: In Options Window, select the "Optimization", the navigation button on right hand side of the window (including „Intelligence“, „Optimization (1)“, „SQL Options“ etc) cannot be selected by using keyboard. 3. Buttons that are neither included in the application main menu bar nor assigned short-cut key cannot be selected by using keyboard. Example: In both SQL Optimizer Window and SQL Scanner Window, the buttons above the Execution Plan control cannot be selected by using keyboard (including „Query Plan“, „Abstract Plan“, etc)
(b.i) 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.	<p>Supported: QSODB2 4.4.0 supports most accessibility settings of the other product and in no case disrupts or disables any accessibility features of the other production.</p>	
(b.ii) 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>Supported: QSODB2 4.4.0 supports most accessibility settings of the operating system and in no case disrupts or disables any accessibility features of the operating system.</p>	
(c.i) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes	<p>Supported: QSODB2 4.4.0 supports on-screen indication of the current focus.</p>	
(c.ii) The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	<p>Supported: QSODB2 4.4.0 supports technologies that make computer programs more accessible to people who use Assistive Technology.</p> <p>QSODB2 4.4.0 fully supports Windows Appearance Properties to provide visual on-screen</p>	

Criteria	Supporting Features	Remarks and explanations
	focus and tracking throughout.	
(d.i) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology.	Supported: QSODB2 4.4.0 supports technologies that make computer programs more accessible to people who use Assistive Technology. All the User Interface elements include menu bars, toolbars, check boxes and buttons, all have named as their identity.	
(d.ii) When an image represents a program element, the information conveyed by the image must also be available in text.	Supported with minor exceptions: The information conveyed by most images used in QSODB2 4.4.0 is also available in text.	Minor exceptions include the following areas that no texts provided for information conveyed by images: <ol style="list-style-type: none"> 1. In Scanner→ Job Manager Window, images used for job types and selected row in the job grid. 2. In SQL Scanner→Add Jobs window, the object type images in the Database Objects tree diagram. 3. Images shown in the SQL combo dropdown in different windows of the application.
(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.	Supported: The meanings assigned to all images used in QSODB2 4.4.0 are consistent throughout the application's performance.	
(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: QSODB2 4.4.0 uses standard system functions to send textual information to the operating system in all cases.	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supported with minor exceptions: QSODB2 4.4.0 supports, with few minor exceptions, Microsoft Windows accessibility features including user selected contrast, color selections, and other individual attributes.	<p>QSODB2 4.4.0 does not support large font mode in dialogs where large fonts would render the dialogs impossible to read.</p> <p>The SQL Information page does not follow user selected contrast and color selections and other individual display attributes.</p> <p>QSODB2 4.4.0 provides user an option to customize the font and color for showing execution plans in different windows. This will override the system settings of colors, contrast and display attributes.</p> <p>To customize the execution plan view settings:</p> <ol style="list-style-type: none"> 1. Open the Options Window 2. Select „Plan“ tab page. 3. Change the settings of individual plan elements. 4. Click „OK“ of the Options Window.

Criteria	Supporting Features	Remarks and explanations
(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 available: QSODB2 4.4.0 does not use any animation to display information to the user.	
(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 with minor exceptions: QSODB2 4.4.0, with few exceptions, does not use color to be the only means to convey information, indicating an action or prompting a response.	Minor exceptions include the following areas that color coding is the only means used to show differences: <ol style="list-style-type: none"> 1. In SQL Optimizer, different font color is used to show the differences of SQL texts in both SQL Detail tab →SQL page and Comparison tab →Side-by-Side page. 2. In SQL Optimizer, a highlight color is the only means used show the differences between execution plans in the Comparison tab →Side-by-Side page. 3. In SQL Optimizer →Comparison tab →Result page, the Data grids only use row highlight color to represent differences of data between SQL.
(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: QSODB2 4.4.0 provides a variety of color selections and contrast levels as well as supporting operating system settings.	
(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.	Not available: QSODB2 4.4.0 does not use flashing or blinking objects/text in any portion of the application interface.	
(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 available: QSODB2 4.4.0 does not use any electronic forms.	

Section 1194.22 Web-based internet information and applications

Criteria	Supporting Features	Remarks and explanations
a)	A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	
b)	Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	
c)	Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	
d)	Documents shall be organized so they are readable without requiring an associated style sheet.	
e)	Redundant text links shall be provided for each active region of a server-side image map.	
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.	
g)	Row and column headers shall be identified for data tables.	
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.	
i)	Frames shall be titled with text that facilitates frame identification and navigation	
j)	Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	
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.	
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.	
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).	

Criteria	Supporting Features	Remarks and explanations
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.	
o)	A method shall be provided that permits users to skip repetitive navigation links.	
(p)	When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	

Section 1194.23 Telecommunications products

Criteria	Supporting Features	Remarks and explanations
(a)	Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.	
(b)	Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	
(c)	Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	
(d)	Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.	
(e)	Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	
(f)	For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.	
(g)	If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.	
(h)	Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.	
(i)	Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.	
(j)	Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.	
(k.i)	Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys	

Criteria	Supporting Features	Remarks and explanations
		shall be tactilely discernible without activating the controls or keys.
(k.ii)	Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be operable with one hand and shall not require tight grasping, pinching, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N) maximum.	
(k.iii)	Products which have mechanically operated controls or keys shall comply with the following: If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.	
(k.iv)	Products which have mechanically operated controls or keys shall comply with the following: The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	

Section 1194.24 Video and multimedia products

Criteria	Supporting Features	Remarks and explanations
(a)	All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As QSODB2n as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring at least 7.8 inches vertically, DTV sets with conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals.	
(b)	Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	
(c)	All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned.	
(d)	All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described.	
(e)	Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	

Section 1194.25 Self-contained, closed products

Criteria	Supporting Features	Remarks and explanations
(a)	Self contained products shall be usable by people with disabilities without requiring an end-user to attach Assistive Technology to the product. Personal headsets for private listening are not Assistive Technology.	
(b)	When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	
(c)	Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	
(d)	When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.	
(e)	When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at anytime.	
(f)	When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to the default level after every use.	
(g)	Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	
(h)	When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided.	
(i)	Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	
(j.i)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which are freestanding, non-portable, and intended to be used in one location and which have operable controls.	
(j.ii)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is 10 inches or less behind the reference plane, the height	

Criteria	Supporting Features	Remarks and explanations
		shall be 54 inches maximum and 15 inches minimum above the floor.
(j.iii)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor.	
(j.iv)	Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Operable controls shall not be more than 24 inches behind the reference plane.	

Section 1194.26 Desktop and portable computers

Criteria	Supporting Features	Remarks and explanations
(a)	All mechanically operated controls and keys shall comply with §1194.23 (k.i) through (iv).	
(b)	If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k.i) through (iv).	
(c)	When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.	
(d)	Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards.	

Section 1194.31 Functional performance criteria

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.	<p>Supported with minor exceptions: QSODB2 4.4.0 supports Assistive Technologies and Microsoft Windows accessibility feature(Narrator), which make computer programs more accessible to people who are visually impaired.</p> <p>Commonly-used Assistive Technology may be used with QSODB2 4.4.0. Users should contact their Assistive Technology vendor to assess the compatibility of their product.</p>	Exception is that QSODB2 4.4.0 does not support the use of screen readers to access user interface information.
(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>Supported with minor exceptions: QSODB2 4.4.0 supports technologies that make computer programs more accessible to people who use Assistive Technology. The Microsoft Windows accessibility feature (Magnifier) is available to magnify text.</p> <p>QSODB2 4.4.0 supports large fonts in the title bar, toolbars, and in some dialogs.</p>	Minor exception is QSODB2 4.4.0 does not support large font mode in dialogs where large fonts would render the dialogs impossible to read.
(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>Not available: QSODB2 4.4.0 does not require user hearing for access to any application functionality.</p> <p>QSODB2 4.4.0 does not use any form of audio cues.</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>Not available: QSODB2 4.4.0 does not require user hearing for access to any application functionality.</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>Not available: QSODB2 4.4.0 does not require user speech for access to any application functionality.</p>	

Criteria	Supporting Features	Remarks and explanations
(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	

Section 1194.41 Information, Documentation and Support

Criteria	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: QSODB2 4.4.0 Online help is provided in digital, compressed HTML format. This documentation is completely accessible using the help application supplied with Microsoft Windows. PDF format of the documentation will also be provided upon request, at no additional charge.	Online help is currently available in Microsoft HTML Help format and in PDF format upon request. Other product documentation is available in PDF format. With a special documentation license, our products support accessibility software that converts .PDF files into speech for the visually challenged.
(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.	Supported	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported	Quest Software's Support Services is familiar with such features as keyboard access and other options important to people with disabilities. For technical assistance in the United States, you can contact Quest Software Support Services on a text telephone at (800) 306-9329 between 5:00 A.M. and 5:00 P.M. Pacific Time, Monday through Friday, excluding holidays.

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