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: October 13, 2017

Name of Product: EDB Postgres Enterprise Manager 7

The statements that follow apply only to the PEM 7.x server/client interface; the installers are not included in this evaluation.

Summary:

The PEM web interface provides an interactive GUI environment in which the user can create and manage database objects. The interface provides a graphical environment for most administrative tasks, including those tasks related to the PEM server (creation and management of probes, custom dashboards, managing access privileges, etc.).

The PEM web interface is supported on: Google Chrome, Mozilla Firefox, Internet Explorer, Apple Safari.

The interface is designed for use with mouse/touch tablet access; some accessibility support is inherited (including audio interpretation of onscreen content) from the browser on which the server is accessed, but support is limited and may be inconsistent.

The web interface does not interfere with accessibility features provided by the operating system (such as high-contrast fonts, font resizing, etc.).

Contact for more Information (name/phone/email):
https://www.enterprisedb.com/general-inquiry-form

Summary Table

VPAT™

***Voluntary Product Accessibility Template*®**

Criteria	**Supporting Features**	**Remarks and explanations**
Section 1194.21 Software Applications and Operating Systems	Applicable - supports with exceptions	PEM 7 leverages accessibility implemented by the browser interface on which the client is displayed, creating the foundation for accessibility. The web interface does not interfere with accessibility features; additionally: Tooltips are mouse accessible via an onscreen icon, and convey information about selected charts and graphs; tooltips are not displayed for every on-screen item. Icon usage is consistent throughout the PEM client. PEM does not override user selected contrast and color selections. PEM text enlarges without distortion. Pem does not display animated content. Color coding is not the only means of conveying information. The web interface provides meaningful focus of currently selected items. Online help text and a searchable index can be navigated by keystrokes, and audio interpretation of the TOX and Index is supported.

		Keyboard accessibility is limited: The user cannot consistently navigate the PEM web interface with only a keyboard. Context menus do not provide shortcut/hot key access to features. Text can not be selected with a mouse for cut/paste. Objects/windows cannot be moved, resized and manipulated with a keyboard. Meaningful rollover content cannot be triggered by keyboard actions. Some drop-down menus can be opened via the keyboard but menu selection is not consistently implemented. Users cannot navigate between application panes via the keyboard. Keyboard selections occasionally select non-meaningful objects.
Section 1194.22 Web-based Internet Information and Applications	Applicable - supports with exceptions	Information in tables is conveyed in clear and easily selectable form; tables are not implemented in html, so tagging recommendations do not apply. Non-text items (charts) provide clear legends and text values for non-text graphics. Information is not solely conveyed by color. The web interface is designed to automatically refresh time-sensitive (monitoring) information about monitored servers. Information that is not time-sensitive does not change.
Section 1194.23 Telecommunications Products	Not Applicable	Not Applicable
Section 1194.24 Video and Multi-media Products	Not Applicable	Not Applicable
Section 1194.25 Self-Contained, Closed Products	Not Applicable	Not Applicable
Section 1194.26 Desktop and Portable Computers	Not Applicable	Not Applicable
Section 1194.31 Functional Performance Criteria	Applicable - supports with exceptions	Speech/hearing is not required for use of the web interface. The web interface supports use of assistive technology for low-vision users, but technology support for blind users is limited.
Section 1194.41 Information, Documentation and Support	Applicable - supports with exceptions	Product documentation is available online and at the EnterpriseDB website in html and pdf form. Documentation does not describe accessibility support; at this time, end-user support is not provided for users with TTY/TDD devices.

Section 1194.21 Software Applications and Operating Systems – Detail

VPAT™

Voluntary Product Accessibility Template®

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.	Supports with exceptions.	The PEM 7 web interface leverages the browser to provide some keyboard accessibility. You can use MacOS Voice Over to navigate the TOC/Index and use some forms provided by the client without a mouse, but to access all of the web functionality efficiently, a mouse is required.
(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.	Supports	PEM does not disable or disrupt activated accessibility features of other products. The standard OS accessibility features are not overridden.
(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.	Supports with exceptions	The product was tested for: meaningful icon/image/object identification, including object state change on selection (e.g., folder open on selection). The focus is readily identified when objects are selected with a mouse; objects selected with a keyboard maintain a less-obvious focus.
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall	Supports with exceptions	The PEM web interface provides text information (as tooltips, on-screen documentation, or metric values) about on-screen graphical objects (pie charts, bar graphs, etc.) that depict the state of database servers. Not all values are accessible

be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.		by assistive technologies.
(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.	Supports	The PEM 7 interface uses consistent graphical images throughout the tool.
(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.	Supports with exceptions	PEM 7 is browser based, and supports inverse colors and OS resizing. Tagging within PEM is sufficient to support some level of VoiceOver technology use, but that support is limited.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	Windows or other OS-level color settings are not overridden by the product.
(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 applicable	The product contains no animation.
(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.	Supports with exceptions	The PEM 7 web interface uses color prompts to lead the user through alert definition, highlighting each field that requires input. Deleted alerts are displayed in red strike-through before actually being deleted from the server. New charts are displayed in green; once written to server, are displayed in black. When deleted, charts are removed from lists. PEM 7 is based on pgAdmin 4; pgAdmin 4 is tested with the MacOS app Sim Daltonism to simulate colorblindness.
(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.	Supports	Windows or other OS-level color settings are not overruled by PEM 7 web interface; tables, charts, and graphs display colors may be user customized for better accessibility.
(k) Software shall not use flashing or blinking text, objects, or other elements	Not applicable	Flashing and blinking text or onscreen objects are not used in PEM 7.

having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.		
(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.	Supports with exceptions	PEM 7 forms and wizards are designed to be used with a mouse; limited access is available via keyboard.

Section 1194.22 Web-based Internet information and applications – Detail

VPAT™

Voluntary Product Accessibility Template®

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).	Supports, with exceptions.	PEM 7 provides an (onscreen) text description of each graph, table, or chart displayed in the tabbed browser. Textual definitions of database objects are available on other tabs within the browser (best accessed via mouse). Content tagging in the browser source is limited.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not applicable	The product has no multimedia.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports	Any information conveyed via color (i.e. deleted items marked in red in PEM 7) is also conveyed by a second context (such as strikethrough text). PEM 7 is based on the pgAdmin project. The pgAdmin project uses Sim Daltonism (a MacOS app) to test for issues relevant to colorblindness.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	PEM 7 documentation is provided in html and pdf form and does not require a stylesheet.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	The product contains no server side image maps.

(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.	Not applicable	The product contains no client or server side image maps.
(g) Row and column headers shall be identified for data tables.	Supports with exceptions	PEM 7 tables are tagged sufficiently to support use of VoiceOver Accessibility program.
(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.	Not applicable	PEM 7 uses stylesheets to format the content; tags are not available for table content.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Supports with exceptions	Some frames within the PEM 7 product have titles.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	By default PEM does not create content that causes the screen to flicker at a frequency greater than 2Hz or lower than 55Hz.
(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.	Not applicable	PEM 7 supplies dynamic content about database servers and managed databases.
(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.	Supports with exceptions	Content generated with javascript/jquery is partially accessible to 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).	Not applicable	
(n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology	Supports with exceptions	The web interface inherits some accessibility from the browser in which it is displayed.

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.	Supports with exceptions	PEM 7 wizards present the wizard dialogs as a list of steps; the steps are not skippable, however they are not repetitive and are instead a sequence of steps. Additionally, VoiceOver identifies 'invisible' onscreen items as objects that need to be navigated past; skip is not supported.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	The web interface does not require a timed user response.

Note to 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following priority 1 Checkpoints of the Web Content Accessibility Guidelines 1.0 (WCAG 1.0) (May 5 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1, (b) - 1.4, (c) - 2.1, (d) - 6.1, (e) - 1.2, (f) - 9.1, (g) - 5.1, (h) - 5.2, (i) - 12.1, (j) - 7.1, (k) - 11.4.

Section 1194.23 Telecommunications Products – Detail

VPAT™

Voluntary Product Accessibility Template®

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.	Not Applicable	
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary	Not Applicable	

standard TTY signal protocols.		
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not Applicable	
(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.	Not Applicable	
(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.	Not Applicable	
(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.	Not Applicable	
(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.	Not Applicable	
(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.	Not Applicable	
(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.	Not Applicable	

(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.	Not Applicable	
(k)(1) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys.	Not Applicable	
(k)(2) 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.	Not Applicable	
(k)(3) 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.	Not Applicable	
(k)(4) 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.	Not Applicable	

Section 1194.24 Video and Multi-media Products – Detail

VPAT™

Voluntary Product Accessibility Template®

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 soon 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.	Not Applicable	
(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	Not Applicable	
(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.	Not Applicable	
(d) All training and informational video and multimedia productions which	Not Applicable	

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.	Not Applicable	

Section 1194.25 Self-Contained, Closed Products – Detail

VPAT™

Voluntary Product Accessibility Template®

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.	Not Applicable	
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	
(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).	Not Applicable	
(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.	Not Applicable	
(e) When products provide auditory output, the audio signal shall be provided at a standard signal level through an	Not Applicable	

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.	Not Applicable	
(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.	Not Applicable	
(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.	Not Applicable	
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable	
(j) (1) 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.	Not Applicable	

(j)(2) 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 shall be 54 inches maximum and 15 inches minimum above the floor.	Not Applicable	
(j)(3) 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.	Not Applicable	
(j)(4) 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.	Not Applicable	

Section 1194.26 Desktop and Portable Computers – Detail

VPAT™

Voluntary Product Accessibility Template®

Criteria	**Supporting Features**	**Remarks and explanations**
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Not Applicable	
(b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	Not Applicable	
(c) When biometric forms of user	Not Applicable	

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	Not Applicable	

Section 1194.31 Functional Performance Criteria – Detail

VPAT™

Voluntary Product Accessibility Template®

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.	Does not support	
(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.	Supports	PEM 7 supports the use of browser screen magnifiers.
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided,	Supports	PEM 7 is accessible to users who are deaf or hard of hearing; the product includes no multimedia products and the user interface does not require user hearing.

or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided		
(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.	Not applicable	
(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.	Supports	PEM 7 does not require speech.
(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.	Supports with exceptions	PEM 7 online documentation provides a linked table of contents and searchable index with direct links. PEM 7 provides some support for keyboard navigation and object tagging.

Section 1194.41 Information, Documentation and Support – Detail

VPAT™

Voluntary Product Accessibility Template®

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	Supports	Support documentation for this product is available in accessible electronic format. EDB provides electronic versions of product documentation. PEM 7 documentation is available online, or in pdf/html formats via

		the EnterpriseDB website.
(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.	Supports through equivalent facilitation	To be implemented. EDB can provide specific information regarding accessibility and compatibility features of specific products and product features upon request.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Support for EDB products including PEM is available in a variety of formats and from a number of online sources available from EnterpriseDB. Customers have access to electronic support through assistive technology supported email to support@enterprisedb.com

[Return to the top of the page.](#)