

VanDyke Software Accessibility Conformance Report

Revised Section 508 Edition

VPAT® Version 2.3 (Revised) – April 2019

Name of Product/Version: VShell 5.0 for Windows

Product Description: VShell is a multi-protocol secure file transfer server that supports SFTP, FTPS, and HTTPS. It also allows shell, secure remote access and remote administration with SSH2.

Report Date: July 2026

Contact information: support@vandyke.com

Notes: This report covers the three distinct components of VShell 5.0 for Windows that provide a user interface:

1. The VShell Control Panel, which provides a GUI for the configuration of VShell on Windows (non-web software).
2. The VShell Monitor, a tool for monitoring connections to the VShell SSH2/SFTP, FTPS, and HTTPS services (non-web software).

3. The VShell User Web Interface, a browser-based interface for transferring files to and from VShell Enterprise Edition with HTTPS (web software).

Each application is referred to by name in this document. For questions or assistance with accommodating users, please contact support@vandyke.com.

Evaluation Methods Used:

- Screen Reader Usability Testing with NVDA
- Keyboard-Only Usability Testing
- General Product Knowledge
- Tool-Based Testing with [HTML CodeSniffer](#) and [WAVE](#)
- Color Contrast Testing with [WebAIM Color Contrast Checker](#), [Contrast-Ratio.com](#)

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	Level A - Yes Level AA - Yes Level AAA - No
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	Yes

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

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-supports ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
<u>1.1.1 Non-text Content</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel Non-text controls and inputs have names that describes their purpose. Non-text content that is decorative can be ignored by assistive technology. Other requirements do not apply. Software: VShell Monitor Has no non-text controls or inputs. Web: VShell User Web Interface Uses standard HTML and WAI-ARIA techniques for providing text equivalents of non-text elements. This includes the use of “alt” attributes for images and the use of “aria-label” for other visual elements.
<u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs).	Software: Not Applicable Web: Not Applicable	None of the three components use prerecorded audio or video content.
<u>1.2.2 Captions (Prerecorded)</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Not Applicable	None of the three components use prerecorded audio content.

Criteria	Conformance Level	Remarks and Explanations
<u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Not Applicable	None of the three components use prerecorded video content or synchronized media.
<u>1.3.1 Info and Relationships</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Partially Supports Web: Supports	Software: VShell Control Panel Exception: Virtual Roots Folder Options Page: Headers cannot be programmatically identified. Software: VShell Monitor Exception: Headers cannot be programmatically identified. Only the first column (username information) can be programmatically identified. Web: VShell User Web Interface Uses semantically-correct markup so that information, structure, and relationships can be understood independent of presentation.

Criteria	Conformance Level	Remarks and Explanations
<u>1.3.2 Meaningful Sequence</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel The application presents information in system dialogs, whose correct reading sequence can be programmatically determined. Software: VShell Monitor The application presents information in system dialogs, whose correct reading sequence can be programmatically determined. Web: VShell User Web Interface The interface positions content based on semantically correct structural markup that allows assistive technologies to determine correct reading sequence.
<u>1.3.3 Sensory Characteristics</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel In special cases where images serve as instructions, they are augmented by tooltips providing text instructions. Software: VShell Monitor Displayed solely in black and white text. Web: VShell User Web Interface Images are used decorative and/or supplemental attribute of user interface elements.

Criteria	Conformance Level	Remarks and Explanations
<u>1.4.1 Use of Color</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel Color is used only as a decorative and/or supplemental attribute of user interface elements. Software: VShell Monitor Displayed solely black and white text. Web: VShell User Web Interface Color is used only as a decorative and/or supplemental attribute of user interface elements.
<u>1.4.2 Audio Control</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Not Applicable	None of the three components use audio content.
<u>2.1.1 Keyboard</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Partially Supports Web: Partially Supports	Software: VShell Control Panel Supports standard keyboard navigation. Software: VShell Monitor Supports standard keyboard navigation. Web: VShell User Web Interface Supports standard Web browser navigation using tabs and arrow keys. Exception: • Keyboard navigation is not supported by buttons used for file upload, download, and similar operations. • Keyboard navigation can't be used to navigate through files/folders

Criteria	Conformance Level	Remarks and Explanations
<u>2.1.2 No Keyboard Trap</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Not Applicable	Software: VShell Control Panel Supports standard keyboard navigation. Software: VShell Monitor Supports standard keyboard navigation. Web: VShell User Web Interface Not applicable because keyboard navigation is not supported by buttons used for file upload, download, and similar operations.
<u>2.2.1 Timing Adjustable</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Supports	Software: VShell Control Panel Does not have a time limit. Software: VShell Monitor Does not have a time limit. Web: VShell User Web Interface If the VShell HTTPS server is configured to use a timeout for HTTPS sessions, the VShell User Web Interface will display an alert to notify users when a session is about to end.

Criteria	Conformance Level	Remarks and Explanations
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)	Software: Supports Web: Supports	Software: VShell Control Panel Has no moving, blinking, scrolling, or auto-updating information that starts automatically. Software: VShell Monitor Contains no moving, blinking, or scrolling information that starts automatically. Auto-updating information is essential and comprises the primary functionality of Software: VShell Monitor. Web: VShell User Web Interface For some operations, a progress bar is displayed and cannot be paused, stopped, or hidden, because it is part of an essential activity.
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)	Software: Not Applicable Web: Not Applicable	None of the three components use flashing interface elements.
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	Software: Not Applicable Web: Not Supported	Software: VShell Control Panel Application is non-web software. Software: VShell Monitor Application is non-web software. Web: VShell User Web Interface Exception: There is no mechanism to bypass blocks of content.

Criteria	Conformance Level	Remarks and Explanations
2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel Each page has a title describing its topic / purpose. Software: VShell Monitor Display consists of a single page titled appropriately. Web: VShell User Web Interface Consists of only two pages, each titled appropriately.
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel Dialog components receive focus in an order that preserves meaning and operability. Software: VShell Monitor Dialog components receive focus in an order that preserves meaning and operability. Web: VShell User Web Interface Interactive elements are placed in an order that follows sequences and relationships within the content.

Criteria	Conformance Level	Remarks and Explanations
2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Supports	Software: VShell Control Panel HTTP links are not used for application functionality. Software: VShell Monitor HTTP links are not used for application functionality. Web: VShell User Web Interface Links use descriptive text or “aria-label” attributes to identify their purpose.
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)	Software: Not Applicable Web: Supports	Software: VShell Control Panel Application is non-web software. Software: VShell Monitor Application is non-web software. Web: VShell User Web Interface Uses the <code>lang</code> attribute on the HTML tag to specify English as the default language of the page.
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	No user interface components initiate a change of context when they receive focus.

Criteria	Conformance Level	Remarks and Explanations
<u>3.2.2 On Input</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Partially Supports Web: Supports	Software: VShell Control Panel On some dialogs, changing a setting may cause other settings to be hidden or revealed depending on whether or not they are applicable. Software: VShell Monitor No settings cause a change of context. Web: VShell User Web Interface No settings cause a change of context.
<u>3.3.1 Error Identification</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel Provides a clear description in text for input errors. Software: VShell Monitor User input is limited and cannot generate an error. Web: VShell User Web Interface Provides a clear description in text for input errors.
<u>3.3.2 Labels or Instructions</u> (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	All components provide labels or instructions when user input is required.

Criteria	Conformance Level	Remarks and Explanations
4.1.1 Parsing (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Supports	Software: VShell Control Panel The application does not use markup language for content. Software: VShell Monitor The application does not use markup language for content. Web: VShell User Web Interface Uses standard HTML controls according to specification.
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)	Software: Partially Supports Web: Supports	Software: VShell Control Panel Software: On some pages, list boxes containing check boxes, JAWS has a limitation and does not always announce the check box state. NVDA always announces the check box state. On the Virtual Roots Options page, permission checkboxes are announced as the position in the grid. Software: VShell Monitor Exception: Headers cannot be programmatically identified. Only the first column (username information) can be programmatically specified. Web: VShell User Web Interface Uses standard HTML controls according to specification.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
<u>1.2.4 Captions (Live)</u> (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Not Applicable	No user interface components use live audio content.
<u>1.2.5 Audio Description (Prerecorded)</u> (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Not Applicable Web: Not Applicable	No user interface components use prerecorded video content.
<u>1.4.3 Contrast (Minimum)</u> (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	All user interface components provide sufficient contrast.
<u>1.4.4 Resize text</u> (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Does Not Support Web: Supports	Software: VShell Control Panel Cannot be resized. Software: VShell Monitor Cannot be resized. Web: VShell User Web Interface Supports standard zoom capabilities built into modern web browsers.

Criteria	Conformance Level	Remarks and Explanations
<u>1.4.5 Images of Text</u> (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Software: Not Applicable Web: Not Applicable	Software: VShell Control Panel Uses no images of text. Software: VShell Monitor Uses no images of text. Web: VShell User Web Interface Uses no images of text except in company logo.
<u>2.4.5 Multiple Ways</u> (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	Software: Not Applicable Web: Supports	Software: VShell Control Panel Application is non-web software. Software: VShell Monitor Application is non-web software. Web: VShell User Web Interface Consists of only two web pages. The Login page must precede the Main page to meet the required authentication process.
<u>2.4.6 Headings and Labels</u> (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Software: Supports Web: Supports	All components use headings and labels that are descriptive.
<u>2.4.7 Focus Visible</u> (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Software: Supports Web: Supports	All components uses visual changes to elements to indicate the current position of focus.

Criteria	Conformance Level	Remarks and Explanations
<u>3.1.2 Language of Parts</u> (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	All components present content in English only. Programmatically, content is accurately determined to be in English.
<u>3.2.3 Consistent Navigation</u> (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	Software: Supports Web: Supports	Software: VShell Control Panel Navigational mechanisms are consistent across pages. Software: VShell Monitor Consists of a single page; no navigation is necessary. Web: VShell User Web Interface Navigational mechanisms are identical across pages.
<u>3.2.4 Consistent Identification</u> (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	Software: Supports Web: Supports	All components use labels, names, and text alternatives consistently for content that has the same functionality.

Criteria	Conformance Level	Remarks and Explanations
<u>3.3.3 Error Suggestion</u> (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Supports Web: Supports	Software: VShell Control Panel Provides suggestions for error correction when suggestions are known. Software: VShell Monitor User input is limited and cannot generate an error. Web: VShell User Web Interface Provides suggestions for error correction when suggestions are known.
<u>3.3.4 Error Prevention (Legal, Financial, Data)</u> (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Software: Partially Supports Web: Partially Supports	Software: VShell Control Panel Cannot be used to make legal commitments or financial transactions. Operations that could result in data loss are preceded by a prompt. Software: VShell Monitor Cannot be used to make legal commitments or financial transactions. Supports no operations that could result in data loss. Web: VShell User Web Interface Cannot be used to make legal commitments or financial transactions. Exception: Allows users to modify application configuration data. Prevention of configuration data loss must be ensured via best IT practices such as regular backups.

Table 3: Success Criteria, Level AAA

Notes: This application has not been evaluated for WCAG 2.0 Level AAA conformance.

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Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Software: Partially Supports Web: Partially Supports	Software: VShell Control Panel Follows Microsoft Windows standards to ensure that elements are understandable to Assistive Technologies. Exception: On the Virtual Roots Folder Options page, Icons for add, delete, and properties are not interpreted by Assistive Technologies. Exception: On the Location Subconfiguration File dialog and the User/Group Subconfiguration File dialog, the filename hint is not interpreted by Assistive Technologies. Software: VShell Monitor Exception: Table header is not read by Assistive Technologies. Web: VShell User Web Interface Exception: Login, logout, and modal dialog confirmation buttons are not read by Assistive Technologies.

Criteria	Conformance Level	Remarks and Explanations
302.2 With Limited Vision	Software: Partially Supports Web: Partially Supports	Software: VShell Control Panel Follows Microsoft Windows standards to ensure that elements are understandable to Assistive Technologies. Exception: On the Virtual Roots Folder Options page, Icons for add, delete, and properties are not interpreted by Assistive Technologies. Exception: On the Location Subconfiguration File dialog and the User/Group Subconfiguration File dialog, the filename hint is not interpreted by Assistive Technologies. Software: VShell Monitor Exception: Table header is not read by Assistive Technologies. Web: VShell User Web Interface Exception: Login, logout, and modal dialog confirmation buttons are not read by Assistive Technologies
302.3 Without Perception of Color	Software: Supports Web: Supports	Software: VShell Control Panel Color is only used as a decorative or supplemental attribute of user interface elements. Software: VShell Monitor Display is in black and white only. Web: VShell User Web Interface Color is only used as a decorative or supplemental attribute of user interface elements.

Criteria	Conformance Level	Remarks and Explanations
302.4 Without Hearing	Software: Not Applicable Web: Not Applicable	None of the three application components have an audio mode of operation.
302.5 With Limited Hearing	Software: Not Applicable Web: Not Applicable	None of the three application components have an audio mode of operation.
302.6 Without Speech	Software: Not Applicable Web: Not Applicable	None of the three application components require speech input for operation.
302.7 With Limited Manipulation	Software: Supports Web: Supports	Essential components of all three components can be used through a keyboard interface.
302.8 With Limited Reach and Strength	Software: Supports Web: Supports	Essential components of all three components can be used through a keyboard interface.
302.9 With Limited Language, Cognitive, and Learning Abilities	Software: Partially Supports Web: Partially Supports	Essential elements include some technical terms which may not be understandable by users with limited language, cognitive, or learning abilities.

Chapter 4: [Hardware](#)

Notes: Not Applicable. VShell is a software application.

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 2.0 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 not platform software.

Criteria	Conformance Level	Remarks and Explanations
502.2.2 No Disruption of Accessibility Features	Supports	There is no known conflict with any accessibility software that is Windows compliant.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Not Applicable	The application is not platform software.
502.3.2 Modification of Object Information	Not Applicable	The application is not platform software.
502.3.3 Row, Column, and Headers	Not Applicable	The application is not platform software.
502.3.4 Values	Not Applicable	The application is not platform software.
502.3.5 Modification of Values	Not Applicable	The application is not platform software.
502.3.6 Label Relationships	Not Applicable	The application is not platform software.
502.3.7 Hierarchical Relationships	Not Applicable	The application is not platform software.
502.3.8 Text	Not Applicable	The application is not platform software.
502.3.9 Modification of Text	Not Applicable	The application is not platform software.
502.3.10 List of Actions	Not Applicable	The application is not platform software.
502.3.11 Actions on Objects	Not Applicable	The application is not platform software.
502.3.12 Focus Cursor	Supports	The application allows the user to use a trackable insertion caret in order to work with JAWS and other low vision assistance tools.
502.3.13 Modification of Focus Cursor	Supports	The application allows the user to specify the cursor size and shape, and to configure the cursor blink rate.
502.3.14 Event Notification	Not Applicable	The application is not platform software.
502.4 Platform Accessibility Features	Not Applicable	The application is not platform software.
<u>503 Applications</u>	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Supports	The application permits user preferences from platform settings for color, contrast, font type, font size, and focus cursor.
503.3 Alternative User Interfaces	Not Applicable	The application does not provide an alternative user interface.
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	The application does not provide caption controls.

Criteria	Conformance Level	Remarks and Explanations
503.4.2 Audio Description Controls	Not Applicable	The application does not provide audio description controls.
<u>504 Authoring Tools</u>	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 2.0 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](#)

Notes: This report covers accessibility conformance for the VShell application. It does not discuss Documentation or Support Services.