



Accessibility Conformance Report

VPAT® Version 2.4

Citrix Virtual Apps and Desktops: Studio

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Name of Product/Version

Name of Product: Citrix Virtual Apps and Desktops: Studio

Version: 2203.0 LTSR EAR

Product Description

Citrix Studio is the console that allows administrators to configure and manage a Citrix Virtual Apps and Desktops deployment.

Notes

This Voluntary Product Accessibility Template (VPAT) provides guidance on the accessibility characteristics of **Citrix Virtual Apps and Desktops: Studio** as of **April 15, 2022** and is only valid for the version and date it was tested.

Evaluation Methods Used

Assistive technology products used as part of testing included Freedom Scientific JAWS 2022, NVDA 2020.2, Freedom Scientific ZoomText 2020, The Paciello Group's Colour Contrast Analyser 3.1, Accessibility Insights for Windows, Microsoft Windows accessibility features, and keyboard-only control. Testing was performed with this assistive technology on Windows Server 2022.

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)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)

Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	Yes
EN 301 549 Accessibility requirements suitable for public procurement of ICT products and services in Europe , - V3.1.1 (2019-11)	No

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 Level AAA.

WCAG 2.x 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.x Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.1.1 Non-text Content</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>Some images have alternative text associated with them.</p> <p>Some images do not have alternative text associated with them.</p>
<p><u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No audio-only or video-only media is present.
<p><u>1.2.2 Captions (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No audio-only or video-only media is present.
<p><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No audio-only or video-only media is present.
<p><u>1.3.1 Info and Relationships</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>Some user interface controls have programmatically determined names; some user interface controls (e.g., checkboxes, dropdown menus, text boxes) do not have programmatically determined names.</p> <p>Header cells in data tables are not programmatically determinable.</p>
<p><u>1.3.2 Meaningful Sequence</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	Correct reading sequences can be programmatically determined. When the application detects a screen reader, the tab order is altered to include static text elements, resulting in multiple tab stops per control.

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.3.3 Sensory Characteristics</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Instructions and content do not rely solely on sensory characteristics of components.
<p><u>1.4.1 Use of Color</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>In some areas, color is not used as the sole means of conveying information.</p> <p>In some areas, color is the only means used to indicate the presence of a link.</p>
<p><u>1.4.2 Audio Control</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No videos or audio recordings launch automatically when a window opens.
<p><u>2.1.1 Keyboard</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	Some functions of the application are keyboard operable. Some controls (e.g., accordions, buttons, checkboxes, context menus, sortable column headers, tooltips) are not keyboard operable.
<p><u>2.1.2 No Keyboard Trap</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	No keyboard traps were observed.
<p><u>2.1.4 Character Key Shortcuts</u> (Level A 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Not Applicable	Keyboard shortcuts using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters are not used.
<p><u>2.2.1 Timing Adjustable</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The application does not require a timed response.

Criteria	Conformance Level	Remarks and Explanations
<p><u>2.2.2 Pause, Stop, Hide</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	The application does not contain automatically scrolling or updating content.
<p><u>2.3.1 Three Flashes or Below Threshold</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Flashing and blinking do not occur in the prohibited range.
<p><u>2.4.1 Bypass Blocks</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Not Applicable	The application is non-web software.
<p><u>2.4.2 Page Titled</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Windows throughout the application have descriptive titles.
<p><u>2.4.3 Focus Order</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>In some windows the application can be navigated in an order that preserves meaning and operability.</p> <p>When the application detects a screen reader, the tab order is altered to include static text elements, resulting in multiple tab stops per control.</p>
<p><u>2.4.4 Link Purpose (In Context)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The purpose of links can be determined from the label together with context.

Criteria	Conformance Level	Remarks and Explanations
<p>2.5.1 Pointer Gestures (Level A 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Not Applicable	Multipoint or path-based gestures are not used.
<p>2.5.2 Pointer Cancellation (Level A 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Partially Supports	In some areas, pointer functionality does not contain down-events. In some areas, pointer functionality is triggered on down-events.
<p>2.5.3 Label in Name (Level A 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Partially Supports	<p>In some areas, user interface components with labels contain the text that is presented visually.</p> <p>In some areas, user interface components with labels do not match the text that is presented visually.</p>
<p>2.5.4 Motion Actuation (Level A 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Not Applicable	The application does not contain device or user motion functionality.
<p>3.1.1 Language of Page (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The default human language can be programmatically determined in all application windows.
<p>3.2.1 On Focus (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Moving focus to components does not initiate a change of context.
<p>3.2.2 On Input (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Changing the setting of user interface components does not automatically cause a change of context.

Criteria	Conformance Level	Remarks and Explanations
<p><u>3.3.1 Error Identification</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>Input errors are identified, and error messages are displayed.</p> <p>When users enter invalid characters in the Search window, the specific characters are not identified in the error message.</p>
<p><u>3.3.2 Labels or Instructions</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>In some areas, labels are provided for input fields. In some areas, labels are not provided for input fields.</p>
<p><u>4.1.1 Parsing</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	<p>The software compiles and runs.</p>
<p><u>4.1.2 Name, Role, Value</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>The application provides name, role, state and value information to assistive technology for some components.</p> <p>The application does not provide name, role, state, and value information for some controls (e.g., accordion controls, buttons, checkboxes, dropdown menus, text boxes, tree views). For some list items, the accessible name is an internal Citrix string.</p>

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.2.4 Captions (Live)</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No time-based media present.
<p><u>1.2.5 Audio Description (Prerecorded)</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	No time-based media present.
<p><u>1.3.4 Orientation</u> (Level AA 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Supports	The application supports the system-level orientation setting.
<p><u>1.3.5 Identify Input Purpose</u> (Level AA 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Not Applicable	User personal information is not requested.
<p><u>1.4.3 Contrast (Minimum)</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	Some areas of the application meet the required contrast ratios. Some areas do not meet the required contrast ratio.
<p><u>1.4.4 Resize text</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	Software application does not allow for the user to adjust text.
<p><u>1.4.5 Images of Text</u> (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	Images of text are used for each digit in the number of days remaining for a license.

Criteria	Conformance Level	Remarks and Explanations
<p>1.4.10 Reflow (Level AA 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Not Applicable	Software application does not allow for the user to adjust text.
<p>1.4.11 Non-text Contrast (Level AA 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Partially Supports	Some user interface elements (e.g., focus indicators, selection indicators, graphs) do not meet the minimum contrast ratio of 3:1.
<p>1.4.12 Text Spacing (Level AA 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Not Applicable	Software application does not allow for the user to adjust text.
<p>1.4.13 Content on Hover or Focus (Level AA 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Does Not Support	Hover content (e.g., tooltips) does not allow for dismissal or hovering of the popup content.
<p>2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	There are multiple ways to perform various functions throughout the application.
<p>2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	Headings and labels describe topic or purpose.
<p>2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>In some areas, focus is well defined.</p> <p>In some windows, focus is not clearly visible when it lands on certain controls (e.g., accordions, buttons, dropdown menus, rows in a table, tree views).</p>
<p>3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Supports	The default human language can be programmatically determined in all application windows.

Criteria	Conformance Level	Remarks and Explanations
<p>3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	Consistent navigation occurs throughout the application.
<p>3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	Consistent identification occurs throughout the application.
<p>3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Partially Supports	<p>In some windows, input errors are identified, and error messages are displayed.</p> <p>When users enter invalid characters in the Search window, the specific characters are not identified in the error message.</p>
<p>3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 602.3 (Support Docs) 	Not Applicable	The application does not cause legal commitments or financial transactions to occur for the user.
<p>4.1.3 Status Messages (Level AA 2.1 only) Also applies to: Revised Section 508 – Does not apply</p>	Does Not Support	Status messages are not announced by the screen readers.

Table 3: Success Criteria, Level AAA

Notes: Product was not tested to WCAG 2.0 AAA level

Revised Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	<p>The application is partially keyboard operable.</p> <p>The application does not provide name, role, state, and value information for some controls (e.g., accordion controls, buttons, checkboxes, dropdown menus, text boxes, tree views). For some list items, the accessible name is an internal Citrix string.</p>
302.2 With Limited Vision	Partially Supports	<p>The application is partially keyboard operable.</p> <p>The application does not provide name, role, state, and value information for some controls (e.g., accordion controls, buttons, checkboxes, dropdown menus, text boxes, tree views). For some list items, the accessible name is an internal Citrix string.</p> <p>The application can be used by users with low visual acuity when combined with screen magnification assistive technology.</p> <p>The application does not meet required contrast ratios in some areas and does not completely support Windows High Contrast settings.</p>
302.3 Without Perception of Color	Partially Supports	<p>Color is not used as the sole means of conveying information in some areas.</p> <p>In some areas, color is the only means used to indicate the presence of a link.</p>
302.4 Without Hearing	Supports	The application does not require user hearing.
302.5 With Limited Hearing	Supports	The application does not require user hearing.
302.6 Without Speech	Supports	The application does not require user speech.

Criteria	Conformance Level	Remarks and Explanations
302.7 With Limited Manipulation	Partially Supports	The application is partially keyboard operable.
302.8 With Limited Reach and Strength	Partially Supports	The application is partially keyboard operable.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	

Chapter 4: [Hardware](#)

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

Chapter 5: [Software](#)

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.0 section	See information in WCAG section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Not Applicable	The application is not an operating system (platform software).
502.2.2 No Disruption of Accessibility Features	Partially Supports	The application does not interfere with some operating system accessibility features. Windows High Contrast settings are partially supported.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Partially Supports	The application provides name, role, state and value information to assistive technology for some components. The application does not provide name, role, state, and value information for some controls (e.g., accordion controls, buttons, checkboxes, dropdown menus, text boxes, tree views). For some list items, the accessible name is an internal Citrix string.
502.3.2 Modification of Object Information	Partially Supports	The application can be operated by assistive technology.

Criteria	Conformance Level	Remarks and Explanations
		Some controls (e.g., accordion controls, checkboxes) do not expose state information to screen readers.
502.3.3 Row, Column, and Headers	Does Not Support	Table headers are not associated with their corresponding data cells.
502.3.4 Values	Partially Supports	Assistive technology can operate the user interface to determine values. For some dropdown menus, the value cannot be determined by assistive technology.
502.3.5 Modification of Values	Partially Supports	Assistive technology can operate the user interface in some areas. For some dropdown menus, the value cannot be modified programmatically.
502.3.6 Label Relationships	Partially Supports	The application provides label information to assistive technology for some components. Some components (e.g., checkboxes, dropdown menus, text boxes) do not provide label information. Some components (e.g., accordion controls, dropdown menus, text boxes) do not provide accurate label information.
502.3.7 Hierarchical Relationships	Partially Supports	Parent-child relationships can be determined programmatically. For some accordion controls, the parent-child relationship cannot be determined programmatically.
502.3.8 Text	Supports	Assistive technology can operate the user interface to read text.
502.3.9 Modification of Text	Supports	Assistive technology can operate the user interface to modify text.

Criteria	Conformance Level	Remarks and Explanations
502.3.10 List of Actions	Partially Supports	Some objects provide their roles, and the actions may be programmatically determined. Some controls (e.g., buttons, checkboxes, radio buttons, trees) do not provide the correct role, so actions cannot be programmatically determined.
502.3.11 Actions on Objects	Partially Supports	Some objects provide their roles, and the actions may be programmatically determined. Some controls (e.g., buttons, checkboxes, radio buttons, trees) do not provide the correct role.
502.3.12 Focus Cursor	Supports	Edit fields are compatible with assistive technology.
502.3.13 Modification of Focus Cursor	Supports	Edit fields are compatible with assistive technology.
502.3.14 Event Notification	Partially Supports	Some controls (e.g., checkboxes, accordion controls) do not provide change in state information to screen readers.
502.4 Platform Accessibility Features	Not Applicable	The application is not an operating system.
<u>503 Applications</u>	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Partially Supports	Windows High Contrast settings are partially supported.
503.3 Alternative User Interfaces	Not Applicable	The application does not provide an alternative user interface and is not assistive technology.
<i>503.4 User Controls for Captions and Audio Description</i>	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	Multimedia is not used.
503.4.2 Audio Description Controls	Not Applicable	Multimedia is not used.
<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 section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	Application is not an Authoring Tool.

Criteria	Conformance Level	Remarks and Explanations
504.2.2 PDF Export	Not Applicable	Application is not an Authoring Tool.
504.3 Prompts	Not Applicable	Application is not an Authoring Tool.
504.4 Templates	Not Applicable	Application is not an Authoring Tool.

Chapter 6: [Support Documentation and Services](#)

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	The documentation is in electronic format and can be converted to other formats.
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG section
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	The documentation is in electronic format and can be converted to other formats.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Does Not Support	The application does not provide documentation on accessibility and compatibility features.
603.3 Accommodation of Communication Needs	Supports	Support services accommodate end users with disabilities.

Legal Disclaimer (Company)

This Voluntary Product Accessibility Template (VPAT) provides guidance on the accessibility characteristics of **Citrix Virtual Apps and Desktops: Studio** as of **April 15, 2022** and is only valid for the version and date it was tested.

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