

UiPath Studio and Activities Accessibility Conformance Report

WCAG Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: UiPath Studio v2021.10 and Activities

Report Date: 10/21/2021

Product Description: UiPath Studio (software) encapsulates both simple and complex solutions for application integration and automating third-party applications, administrative IT tasks, and business IT processes.

Contact Information: Contact sales: <https://www.uipath.com/company/contact-us>

Notes: Specific user scenarios were tested to ensure critical user paths were included in the VPAT. All application content was not tested, but rather a crucial sampling of content was used for test cases. Functions tested include:

Studio – Create new blank process, Attended Automation, Project Setting tooltips, Source Control, Copy Repository URL, Make Private XAML file, Expression Editor, Form/Callout Activities, System Activities, Terminal Activities, Web Activities, Document Understanding Activities, OCR Activities, etc.

Testing Activities – Extract as Template, Create New Test, Global Handler, Test Manager Icon, etc.

Mobile Testing – Open MDM, Import Configuration, Start Automatization Flow, Create Connection, Record Actions, Import Recorded Actions, Add Mobile Device Connection Activity, Drag and Drop, and Save and Run.

Evaluation Methods Used: New Edition’s Software Test Process for WCAG 2.1 AAA was used (based on Trusted Tester v5, WCAG 2.0 AAA, WCAG 2.1 A-AAA, and Section 508 Software testing). The following testing tools were used on a Windows 10 desktop: Accessibility Insights for Windows v1.1, Color Contrast Analyzer, NVDA v2020.1, and external keyboard.

Testing was performed by certified Trusted Testers (v5) from New Editions Consulting, Inc.

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)

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

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partially Supports	<u>Studio and Activities:</u> <ul style="list-style-type: none"> The information button is an image and it does not have alternate text. Once an application is selected, a thumbnail of that application is added to the activity. The thumbnail does not have sufficient alt text to describe the image. OCR Activities: The two images do not contain alternative text. They both have tooltips that describe the images however those tooltips are not keyboard accessible.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	
1.3.1 Info and Relationships (Level A)	Partially Supports	<u>Studio and Activities:</u> Global: Form fields, checkboxes, combo boxes, buttons, collapse/expand buttons, dropdown menus, etc. are missing accessible names throughout the entire application. Below are different examples of the different failures found throughout the application including but not limited to: <ul style="list-style-type: none"> Five buttons for: Passed/Failed/Not Executed Test cases, Activities and Filter do not have any accessible names and the Search form field is missing an accessible name of "Search". The buttons for Add, Remove, and Refresh have no accessible name nor do the form fields for Name and URL.

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> • The browse button is missing an accessible name of "Browse". • There are several elements in the Properties Panel that do not have accessible names such as Display name, Text Field, buttons, combo boxes, Private checkbox, etc. • New Test Case tab: Name and location form fields are missing accessible names. Browse button is missing an accessible name. Template combo box is missing an accessible name. • Global: Visual headings (such as Language, Theme, Telemetry, Reset Settings, UiPath Update Required) are not programmatically coded as headings. <p>Note: Due to a software limitation using WPF, programmatic headings cannot be added.</p> <p><u>Mobile Testing:</u></p> <ul style="list-style-type: none"> • The copy and delete buttons do not let the user know for which action the copy/delete button is associated with. • When the create new mobile testing project modal opens, the Name field is required but "required" is not part of the accessible name/description • The Variables table should have programmatic column headers of Name and Value. Currently the grid cells are not associated with these headers. This is also an issue under Log Selection.

Criteria	Conformance Level	Remarks and Explanations
1.3.2 Meaningful Sequence (Level A)	Partially Supports	<p><u>Studio and Activities:</u></p> <ul style="list-style-type: none"> • The text that appears under the Test results and Activity Coverage tabs are not read by NVDA. • AT is reading each line of the table according to "dataitem" instead of the grid cells. This means AT users do not receive any of the same table information as visual users. • Form Designer: None of the content within the Form Designer, or any added screens within it, is read by assistive technology. They can be navigated to, but are not read at all. • Callout Designer: None of the content within the Form Designer, or any added screens within it, is read by assistive technology. They can be navigated to, but are not read at all. <p><u>Mobile Testing:</u></p> <ul style="list-style-type: none"> • The recorded Actions and Requests lists at the bottom of the page do not read the text on the tile; instead, it reads "UiPath.MobileAutomation...". An AT user would not understand what the list item is for. • When the lists appear under Applications and Devices, the list items are not read according to the text on screen; instead AT reads a string such as "UiPath.MobileAutomation...". An AT user would not understand what the list item is for. This is also an issue for the dropdown list items for "Create Connection" combo boxes for Device and Select an Application and for the items in "Recorded Actions".
1.3.3 Sensory Characteristics (Level A)	Supports	
1.4.1 Use of Color (Level A)	Supports	

Criteria	Conformance Level	Remarks and Explanations
1.4.2 Audio Control (Level A)	Not Applicable	
2.1.1 Keyboard (Level A)	Partially Supports	<p><u>Studio and Activities:</u> Global: Elements throughout the entire process are not keyboard accessible. Below are some examples including but not limited to:</p> <ul style="list-style-type: none"> • When the update pop up appears on the bottom right side of the screen, the pop up dialog is not keyboard accessible. • The Link for "Get Task Capture" is not accessible by keyboard only. • The connection type drop-down options are not keyboard accessible. • Tooltips that appear when a mouse user hovers over certain fields are not keyboard accessible. • The information button associated with the "Default to managed connections" slider cannot be accessed using only the keyboard. • At times, the "+" button that appears when a mouse user hovers over a text field is not keyboard accessible. • Application/Browser: The process of adding an application to automate requires the use of a mouse and cannot be performed using keyboard only. • Form Designer: In order to add an activity, a mouse must be used and a drag and drop functionality is required. There is no way to add a form component using keyboard only. Drag and drop functionality is not keyboard accessible. • Read PDF with OCR: The "Drop OCR Engineer Activity here" function is not keyboard

Criteria	Conformance Level	Remarks and Explanations
		<p>accessible as it requires a drag and drop functionality.</p> <p><u>Mobile Testing:</u></p> <ul style="list-style-type: none"> • When the toggle button has focus, a user can activate the expanded menu with a keyboard but cannot use the keyboard to get in to the sub-menu. As soon as another key is pressed (arrow, tab, etc.) the menu then disappears and a keyboard user does not have these menu items available to them. • There is no keyboard-accessible method to drag and drop the Import Recorded Actions into the Mobile Device Connection. • The interactive mobile device onscreen cannot be accessed with a keyboard only. • There are some actions that require a user to navigate the phone to a text field, for example, before the "Input text" function can be used. Since the phone itself is not keyboard accessible, some of these menu functions cannot be performed by a keyboard-only user. • The actionable buttons within each list item for Edit/Clone/Delete/Start are not keyboard accessible. <p>Note: The “indicate on screen” functions for capturing on-screen actions during recording requires input that depends on the path of the user’s movement and thus meets the exception criteria for 2.1.1.</p> <p>Note: There are a number of keyboard shortcuts for this application to aid in navigation provided on UiPath’s site for keyboard shortcuts. Users should familiarize themselves with the shortcuts available.</p>

Criteria	Conformance Level	Remarks and Explanations
2.1.2 No Keyboard Trap (Level A)	Supports	<u>Studio and Activities:</u> Using “Indicate on Screen” menu, a user must use Ctrl + Tab to exit the editor mode.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Supports	
2.2.1 Timing Adjustable (Level A)	Not Applicable	
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	
2.3.1 Three Flashes or Below Threshold (Level A)	Not Applicable	
2.4.1 Bypass Blocks (Level A)	Not Applicable	
2.4.2 Page Titled (Level A)	Supports	
2.4.3 Focus Order (Level A)	Partially Supports	<u>Studio and Activities:</u> <ul style="list-style-type: none"> • After pressing the space bar to select the "Default to managed connections" slider, the TAB focus does not go to the next slider (Use Modern for new projects). • Global Handler: The “Then” and “Else” sections of the activity are not included in the tab order. <u>Mobile Testing:</u> <ul style="list-style-type: none"> • The reading order of the content is slightly different from the visual reading order. Currently the minimize/maximize/close buttons are read as 4-6 in reading order but appear essentially first in visual focus. • When content is imported through "Import Configuration", new content appears onscreen in the Applications and Devices tab. A user's focus should move to the tabs and new content so a user can interact quickly with the new content (currently it continues to move through minimize, maximize, close etc.).
2.4.4 Link Purpose (In Context) (Level A)	Partially Supports	<u>Mobile Testing:</u>

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> None of the links on the middle of the screen have an accessible name/description. AT only reads "link".
2.5.1 Pointer Gestures (Level A 2.1 only)	Not Applicable	
2.5.2 Pointer Cancellation (Level A 2.1 only)	Supports	
2.5.3 Label in Name (Level A 2.1 only)	Partially Supports	<p><u>Studio and Activities:</u></p> <ul style="list-style-type: none"> The “Add to source control”, “Folder name” and “Orchestrator connection button” menus on the bottom footer of the application do not have an accessible name/description. The buttons for Refresh, Add, and Remove have no accessible name to match their tooltip nor do the form fields for Name and URL. Five buttons for: Passed/Failed/Not Executed Test cases, Activities and Filter do not have any accessible names and the Search form field is missing an accessible name of "Search". The image of text for the information label is not included in the label name. <p><u>Mobile Testing:</u></p> <ul style="list-style-type: none"> The following buttons have no accessible name/description but AT will read the help text to provide some user guidance: the phone menu buttons such as Home, Rotate, Refresh, etc., clear button in Debug and Recorded Actions, Menu buttons in Visual Tree, and Copy in Recorded Actions. The combo boxes for “Device” and “Select an application” do not have an accessible name/description. This is a repetitive issue throughout.

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> There are numerous buttons and form fields without an accessible name/description. See also Success Criteria 1.3.1.
3.5.4 Motion Actuation (Level A 2.1 only)	Not Applicable	
3.1.1 Language of Page (Level A)	Supports	By default, Windows will adopt the language set in the user's Control Panel > Language and apply it to the application.
3.2.1 On Focus (Level A)	Supports	
3.2.2 On Input (Level A)	Partially Supports	<u>Studio and Activities:</u> <ul style="list-style-type: none"> After pressing the space bar to select or deselect the "Default to managed connections" slider, there is an unexpected context change. Users do not continue to navigate through the page options sequentially.
3.3.1 Error Identification (Level A)	Partially Supports	<u>Mobile Testing:</u> <ul style="list-style-type: none"> When the Name field is left blank, only an "!" appears.
3.3.2 Labels or Instructions (Level A)	Supports	
4.1.1 Parsing (Level A)	Partially Supports	See Success Criteria 1.3.1 and 2.4.4.
4.1.2 Name, Role, Value (Level A)	Partially Supports	<u>Studio and Activities:</u> <ul style="list-style-type: none"> If there is a failure in testing the Remote Machine connection, a message appears to alert the users as to the nature of the error. This error is not available to screen reader users. It does not receive focus. Note: This may also apply if a message is displayed for a successful connection. Buttons do not provide indication that there will be a significant change in content by selecting these buttons. Many don't have accessible names which therefore do not provide sufficient warnings ahead of time.

Criteria	Conformance Level	Remarks and Explanations
		<p><u>Mobile Testing:</u></p> <ul style="list-style-type: none"> • After creating a connection, a loading animation appears; a user is not provided notification of this status and may not be aware of what is happening on screen. This is also an issue once a user begins to interact with the menu features once the connection has been made to perform actions such as Android Home, Android Switch Apps, Switch orientation, etc. • When content is imported through "Import Configuration", new content appears onscreen in the Applications and Devices tab but a user is not alerted to the change of content. <p>See also Success Criteria 1.1.1 and 1.3.1.</p>

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	
1.3.4 Orientation (Level AA 2.1 only)	Not Applicable	This was tested on a static desktop and orientation changes are not applicable.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Not Applicable	
1.4.3 Contrast (Minimum) (Level AA)	Partially Supports	<p><u>Studio and Activities:</u></p> <ul style="list-style-type: none"> • When focused, the blue text for "Test results", "Activities" and "Test Explorer" do not meet color contrast, failing at 4.25:1. This is global where this color scheme is used.

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> • The blue asterisks on the white background fails color contrast at 3.4:1. In addition, the Red error text on a pink background does not meet color contrast requirements, failing at 3.5:1. • The grey placeholder text) on white background has a contrast of 2.3:1. • The gray placeholder text on white background fails at 1.6:1. • The Error grey text on blue background of the banner has a contrast of 2.9:1. • The Host Error message red text on pink background has a contrast of 3.5:1. • Package Icon Form Field: The placeholder text (unfocused) uses grey text on a white background which has a contrast ratio of 2.4:1. When the form field receives focus, the placeholder text becomes light grey on white which has a contrast ratio of 1.5:1. • Test Manager Settings: The placeholder text (unfocused) uses grey text on a white background which has a contrast ratio of 2.4:1. When the form field receives focus, the placeholder text becomes light grey on white which has a contrast ratio of 1.5:1. • The blue link on the gray background fails color contrast at 3.1:1. This is global where this color scheme is used. <p><u>Mobile Testing:</u></p> <ul style="list-style-type: none"> • Gray background with white text (3.9:1). • Red background with white text (2.9:1). • Pink background on white text (2.5:1).
1.4.4 Resize text (Level AA)	Does Not Support	<u>Studio and Activities:</u>

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> The application provides the ability for some screens to Zoom (within the Design screen), but not all screens across the application. The application itself must provide the user the ability to zoom to at least 200% across each screen in the application, without loss of content or functionality. <p><u>Studio Mobile Testing</u></p> <ul style="list-style-type: none"> There is no mechanism to resize to at least 200% within the Mobile Device Manager.
1.4.5 Images of Text (Level AA)	Supports	
1.4.10 Reflow (Level AA 2.1 only)	Partially Supports	<p><u>Mobile Testing:</u> At 400%, the app does not reflow.</p>
1.4.11 Non-text Contrast (Level AA 2.1 only)	Partially Supports	<p><u>Studio and Activities:</u></p> <ul style="list-style-type: none"> The gray toggle button, when not enabled, fails color contrast at 1.6:1. The Default to managed connections slider contrast for the No option is a grey button on white background showing a contrast of 1.6:1. The button to "indicate and add to local repository" uses grey on a white background which has a contrast ratio of 1.8:1. When the button is hovered over/navigated to with a keyboard, the background becomes dark grey which has a contrast ratio of 1.3:1. Global: The add buttons "+" are grey on a white background which has a contrast ratio of 2.5:1. The arrows in between each activity are grey on white which has a contract ratio of 1.5:1. Global Handler: The warning icon does not have at least a 3.0:1 color contrast ratio. The white ""!"" against the yellow background has a

Criteria	Conformance Level	Remarks and Explanations
		contrast ratio of 2.1:1. The golden border of the triangle against the grey background has a contrast ratio of slightly below 3.0:1.
1.4.12 Text Spacing (Level AA 2.1 only)	Not Applicable	
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Does Not Support	<u>Global:</u> The tooltips that appear upon hover are not dismissible nor is the tooltip itself hoverable.
2.4.5 Multiple Ways (Level AA)	Not Applicable	
2.4.6 Headings and Labels (Level AA)	Partially Supports	<u>Mobile Testing:</u> <ul style="list-style-type: none"> The "Device" dropdown is a required field (or the "Create" button will not be enabled). There is no visible label letting the user know that the form field is required.
2.4.7 Focus Visible (Level AA)	Partially Supports	<u>Studio and Activities:</u> <ul style="list-style-type: none"> Using a mouse to trigger the new branch, a keyboard can be used to navigate, but using a keyboard seems to select each item as a user tabs/arrows, leaving a user with no idea where programmatic focus is. After pressing the space bar to select the "Default to managed connections" slider, there is no visible focus. There is a loss of visible focus for 2 Tabs between "Overview" and "Main" box. Application/Browser: The indicate in notepad.exe button within the "Click" activity does not receive visual focus. <u>Mobile Testing</u> <ul style="list-style-type: none"> There is a loss of visible focus for 2 tabs between the last link on the main screen and before focus appears on the three horizontal line menu.
3.1.2 Language of Parts (Level AA)	Partially Supports	<u>Studio and Activities:</u>

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> "Unicorn Quick Template" and "Robotic Enterprise Framework" stays in English when the Interface Language is changed. There is no language of parts identified.
3.2.3 Consistent Navigation (Level AA)	Not Applicable	
3.2.4 Consistent Identification (Level AA)	Not Applicable	
3.3.3 Error Suggestion (Level AA)	Partially Supports	<p><u>Studio and Activities:</u></p> <ul style="list-style-type: none"> When a form field is filled out incorrectly, text is provided stating that there is an issue, but the text does not say exactly how to fix the issue. Mail Outlook Activities (and global): An alert ("!" icon) appears showing that there is an error, however the text does not provide guidance of how to fix the issue at hand. Currently, it only says what is wrong and why it might be wrong, but does not state how to fix it.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	
4.1.3 Status Messages (Level AA 2.1 only)	Supports	

Table 3: Success Criteria, Level AAA

Notes: Not Evaluated

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Not Evaluated	
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Not Evaluated	
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Not Evaluated	
1.2.9 Audio-only (Live) (Level AAA)	Not Evaluated	
1.3.6 Identify Purpose (Level AAA 2.1 only)	Not Evaluated	
1.4.6 Contrast (Enhanced) (Level AAA)	Not Evaluated	

Criteria	Conformance Level	Remarks and Explanations
1.4.7 Low or No Background Audio (Level AAA)	Not Evaluated	
1.4.8 Visual Presentation (Level AAA)	Not Evaluated	
1.4.9 Images of Text (No Exception) (Level AAA)	Not Evaluated	
2.1.3 Keyboard (No Exception) (Level AAA)	Not Evaluated	
2.2.3 No Timing (Level AAA)	Not Evaluated	
2.2.4 Interruptions (Level AAA)	Not Evaluated	
2.2.5 Re-authenticating (Level AAA)	Not Evaluated	
2.2.6 Timeouts (Level AAA 2.1 only)	Not Evaluated	
2.3.2 Three Flashes (Level AAA)	Not Evaluated	
2.3.3 Animation from Interactions (Level AAA 2.1 only)	Not Evaluated	
2.4.8 Location (Level AAA)	Not Evaluated	
2.4.9 Link Purpose (Link Only) (Level AAA)	Not Evaluated	
2.4.10 Section Headings (Level AAA)	Not Evaluated	
2.5.5 Target Size (Level AAA 2.1 only)	Not Evaluated	
2.5.6 Concurrent Input Mechanisms (Level AAA 2.1 only)	Not Evaluated	
3.1.3 Unusual Words (Level AAA)	Not Evaluated	
3.1.4 Abbreviations (Level AAA)	Not Evaluated	
3.1.5 Reading Level (Level AAA)	Not Evaluated	
3.1.6 Pronunciation (Level AAA)	Not Evaluated	
3.2.5 Change on Request (Level AAA)	Not Evaluated	
3.3.5 Help (Level AAA)	Not Evaluated	
3.3.6 Error Prevention (All) (Level AAA)	Not Evaluated	

Legal Disclaimer (Company)

These results reflect sample accessibility testing for a set of critical user paths. Every element was not evaluated for accessibility.