

# What's new in OpenText Functional Testing

See what features are included in the most recent versions

OpenText Functional Testing product features	Feature benefits	24.4	24.2	23.4	2023	2022	2021 R1	2021
<b>SAP UI5 Web Components supported</b>	Spy, record, and run tests on SAP applications that are based on SAP UI5 Web Components.	✓						
<b>Recognize unusual text characters</b>	Train the OCR engine to identify unusual or unclear characters in your application.	✓						
<b>Identify standard Windows rich editors</b>	Perform text editing operations on the rich editor controls used, for example, in Notepad, Windows® 11, and Microsoft® Outlook®.	✓						
<b>Enhanced AI-based testing on Headless Chrome</b>	More methods and functionalities are now supported for AI-based testing on Headless Chrome, contributing for more effective testing.	✓						
<b>Use SetText in AI-based tests on native mobile apps</b>	Use the SetText and SetSecureText methods on AIOBJECTS when testing native mobile apps.	✓						
<b>Resize the device remote access window</b>	The device test object supports the following new methods: MaximizeViewer, MinimizeViewer, and RestoreViewer.	✓						
<b>WPF DevExpress Data Grid enhancement</b>	Record most operations and leverage new methods supported on DevExpress Data Grids.	✓	✓					
<b>SAP Table™ multi-selection</b>	Record and replay multi-selection on SAP Table objects.	✓	✓					
<b>Support 64-bit Microsoft® Access®</b>	Use a 64-bit Microsoft Access Database Engine in API tests.	✓	✓					
<b>.NET 7 and 8 support for WinForms and WPF</b>	Test Windows Forms and WPF applications on .NET 7 and 8 without changing existing scripts.	✓	✓					
<b>Cloud browser on Jenkins and Azure</b>	Available add-on supports Jenkins and Azure to run tests on cloud browsers.	✓	✓					

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<b>Automatic loading web extension</b>	If you cannot install the Chrome or Edge browser extensions from the web stores, you can configure OpenText Functional Testing to load the extensions when recording or running your tests.	✓	✓					
<b>Cloud browser enhancements</b>	Watch tests run on your application in a remote access window. You can run tests on Chrome, Firefox, and Edge cloud browsers.	✓	✓	✓				
<b>Run web tests in Docker</b>	You can run web tests and AI-based web tests on headless Chrome browsers in Windows Docker containers.	✓	✓	✓				
<b>Added Bamboo capability</b>	On Bamboo, you can run local OpenText Functional Testing tests as any Windows user, not only the currently logged-in user.	✓	✓	✓				
<b>Local AI Object Model updates</b>	When new AI Object Models are available, you can update your local AI Object Model. This provides more advanced AI Object identification without waiting for a OpenText Functional Testing upgrade.	✓	✓	✓				
<b>AIUtil steps in Keyword View</b>	AI-based test steps are now represented more specifically in the Keyword View.	✓	✓	✓				
<b>Updated technology stack</b>	Support latest versions of Chrome, Chromium Edge, and Firefox, as well as AutoPass license server versions.	✓	✓	✓				
<b>AI with regular expressions</b>	Use regular expressions in AI object text descriptions with greater flexibility.	✓	✓	✓	✓			
<b>AIOD Cloud Service</b>	Connect to AI Object-Detection Cloud Service to reduce the use of local resources, increase test run performance, and benefit from the latest AI model.	✓	✓	✓	✓			
<b>Replay on cloud browser</b>	Run tests on cloud browsers to reduce the use of local resources and enhance test run security.	✓	✓	✓	✓			
<b>NET 5 and 6 support for WinForms</b>	Test Windows Forms applications on .NET 5 and 6 without changing existing scripts.	✓	✓	✓	✓			
<b>Kafka Kerberos in API</b>	Test Kafka servers that use Kerberos, a more secure authentication.	✓	✓	✓	✓			

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<b>HTML controls enhancement for SAP</b>	Test Edge and Chromium browser controls on SAP GUI and NWBC Desktop.	✓	✓	✓	✓			
<b>WPF DevExpress Data Grid controls</b>	SPY and run tests on DevExpress Data Grid controls in WPF applications.	✓	✓	✓	✓			
<b>Chromium Extension Manifest V3</b>	Update Chromium Extension to Manifest V3 to keep up with the current standards and provide better security, performance, and user experience.	✓	✓	✓	✓			
<b>AI-based testing for SAP GUI</b>	Use AI to test on SAP GUI desktop application.	✓	✓	✓	✓	✓		
<b>Fine tune object identification</b>	Use a combination of properties, such as text and position to describe an object uniquely.	✓	✓	✓	✓	✓		
<b>Chrome Extension Manifest V3</b>	Update Chrome Extension to Manifest V3 to keep up with the current standards and provide better security, performance, and user experience.	✓	✓	✓	✓	✓		
<b>.NET 5 and 6 support for WPF</b>	Test WPF applications on .NET 5 and 6, run same test without script change after upgrade application.	✓	✓	✓	✓	✓		
<b>Color-based text recognition</b>	Integrate color detection with OCR to identify text by color factor in images.	✓	✓	✓	✓	✓		
<b>Kafka two-way SSL authentication in API</b>	Configure two-way SSL authentication for Kafka server.	✓	✓	✓	✓	✓		
<b>Public Device</b>	Test with Public Device provided on SaaS.	✓	✓	✓	✓	✓		
<b>WeTest® and Genymotion™ cloud</b>	Test devices stored on the WeTest and Genymotion labs.	✓	✓	✓	✓	✓		
<b>Multi-tenancy licensing</b>	Consume a concurrent license from an AutoPass License Server with multi-tenancy enabled.	✓	✓	✓	✓	✓		
<b>AI object methods</b>	Object methods to fine tune your test steps for even better accuracy and performance.	✓	✓	✓	✓	✓	✓	
<b>Progressive Web Apps support</b>	Identify web objects in Progressive Web Apps (PWAs) running on Chrome and Chromium Edge.	✓	✓	✓	✓	✓	✓	
<b>Multi-PDF document testing</b>	Open multiple instances of the PDF Testing Utility, enabling you to test more than one document at a time.	✓	✓	✓	✓	✓	✓	

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<b>Auto-save GUI tests</b>	Automatically save copies of open GUI tests at regular intervals as you work (every 3 minutes by default).	✓	✓	✓	✓	✓	✓	
<b>PDF page checkpoints</b>	Create page checkpoints to check the image sources on a PDF page during a recording or editing session.	✓	✓	✓	✓	✓	✓	
<b>Remote AI service</b>	Connect multiple OpenText Functional Testing computers to a single powerful computer that performs intensive number-crunching processes.	✓	✓	✓	✓	✓	✓	✓
<b>AI complex objects</b>	Improve your test's readability and resilience using an object hierarchy for complex objects, such as tables and calendars.	✓	✓	✓	✓	✓	✓	✓
<b>PDF add-in</b>	Open, display, and interact with PDF documents for testing purposes without needing Adobe Acrobat Pro.	✓	✓	✓	✓	✓	✓	✓
<b>UIA Pro add-in</b>	Test Windows-based apps that implement UI Automation provider interfaces with improved stability and performance, as well as support for additional test objects.	✓	✓	✓	✓	✓	✓	✓
<b>Parallel execution for Java</b>	Speed up tests by running multiple Java tests simultaneously.	✓	✓	✓	✓	✓	✓	✓
<b>Parallel execution UI</b>	Use the UI tool to configure parallel test runs instead of manually writing the JSON file.	✓	✓	✓	✓	✓	✓	✓
<b>Web performance acceleration</b>	Kick OpenText Functional Testing into high gear and watch your tests reach speeds up to 3X faster.	✓	✓	✓	✓	✓	✓	✓
<b>OpenText Functional Testing CI utilities</b>	Easily integrate OpenText Functional Testing into CI/CD pipelines without plugins using our set of open-source utility tools.	✓	✓	✓	✓	✓	✓	✓
<b>SAP SuccessFactors</b>	Certified to build tests that support SAP's cloud-based HCM software app.	✓	✓	✓	✓	✓	✓	✓
<b>SAP web testing on Chromium Edge</b>	Test web-based SAP apps when working with the latest Chromium Edge browser.	✓	✓	✓	✓	✓	✓	✓
<b>Data table for API Testing</b>	Supports Microsoft Excel's.XLSX format for API tests and promotes faster response times.	✓	✓	✓	✓	✓	✓	✓

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<b>Kafka for API testing</b>	Design API tests to verify the process of publishing messages or receiving/deleting messages from your Kafka server.	✓	✓	✓	✓	✓	✓	✓
<b>Chromium Edge in IE Mode</b>	Run tests on web apps in Chromium Edge when using IE mode.	✓	✓	✓	✓	✓	✓	✓
<b>AI recording</b>	Capture a business flow of your app and create a sequence of AI steps for your test.	✓	✓	✓	✓	✓	✓	✓
<b>AI mockup identification</b>	Learn AI objects on app mockups and prepare your AI-based tests before your app is developed.	✓	✓	✓	✓	✓	✓	✓
<b>AI transformation assistant</b>	Run your existing tests and receive suggestions for transforming technology-based test steps to AI-based testing steps.	✓	✓	✓	✓	✓	✓	✓
<b>Next-gen spy</b>	Visually intuitive tool for designing tests with greater flexibility and ultra-modern functionality.	✓	✓	✓	✓	✓	✓	✓
<b>Parallel execution for API testing</b>	Fire API tests on all cylinders by running multiple tests simultaneously.	✓	✓	✓	✓	✓	✓	✓
<b>SAPUI5 testing on Chromium Edge</b>	Full support for testing SAPUI5 test objects using Chromium-based Edge.	✓	✓	✓	✓	✓	✓	✓
<b>Multi-zoom support</b>	Spy or highlight on zoomed web pages—Chrome, Chromium-based Edge, Firefox, UFT Mobile iOS Browser, and iOS Safari.	✓	✓	✓	✓	✓	✓	✓
<b>AI-based testing for web</b>	Tests from desktop browsers using Chrome, Chromium Edge, Firefox, and IE.	✓	✓	✓	✓	✓	✓	✓
<b>AI Spy</b>	Use the Object Spy to suggest which relevant AI object to use.	✓	✓	✓	✓	✓	✓	✓
<b>AI Spy in Hover Mode</b>	Hover on AI objects and AI text objects to identify them.	✓	✓	✓	✓	✓	✓	✓
<b>Visual Relation Identifier (VRI) for AI</b>	Identify unique objects using its proximity to other AI objects (i.e., above, to the left).	✓	✓	✓	✓	✓	✓	✓
<b>Dark theme</b>	Enhance legibility and readability with an aesthetically darker IDE that's friendlier on your eyes.	✓	✓	✓	✓	✓	✓	✓
<b>Microsoft Chromium-based Edge</b>	Introducing Microsoft's latest browser incarnation—built on Google's Chromium project.	✓	✓	✓	✓	✓	✓	✓

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<b>Dynamic add-in loading</b>	Replay your tests seamlessly without having to go back and tell OpenText Functional Testing which add-in to use.	✓	✓	✓	✓	✓	✓	✓
<b>Cloud OCR</b>	Achieve a higher level of accuracy for CJK (Chinese, Japanese, Korean) languages with Baidu Cloud. Auto-detect languages during record and run for more accurate results with Google Cloud.	✓	✓	✓	✓	✓	✓	✓
<b>Docker Containers for API Testing</b>	Run API tests in a lightweight Windows Docker environment directly from Jenkins.	✓	✓	✓	✓	✓	✓	✓
<b>Amazon Device Farm integration</b>	Test devices stored on an AWS Device Farm via OpenText Functional Testing Lab, including private devices.	✓	✓	✓	✓	✓	✓	✓
<b>SAP web testing on Chrome</b>	Choose whether to support your SAP tests on IE or Chrome without overhauling your scripts.	✓	✓	✓	✓	✓	✓	✓
<b>AI-based testing for mobile</b>	New AI capabilities, designed to help real customers address real automation problems across mobile and mobile web.	✓	✓	✓	✓	✓	✓	✓
<b>Azure DevOps Server</b>	Leverage Microsoft's CI/CD tool to trigger tests from OpenText Functional Testing's local file system or ALM.	✓	✓	✓	✓	✓	✓	✓
<b>Safari app extension</b>	UFT Agent that supports Replay and Spy on the latest Apple Safari browser.	✓	✓	✓	✓	✓	✓	✓
<b>Data table for GUI testing</b>	Supports Excel's.XLSX format for GUI tests and promotes faster response times.	✓	✓	✓	✓	✓	✓	✓
<b>Modern UI/UX design</b>	Improved toolbar, main menu, icons, and a redesigned Start page.	✓	✓	✓	✓	✓	✓	✓
<b>Unattended remote testing</b>	Run tests installed on remote machines without manual intervention.	✓	✓	✓	✓	✓	✓	✓
<b>Hyper-V virtual images</b>	Scale test assets accordingly— spin-up multiple Hyper-V instances running OpenText Functional Testing.	✓	✓	✓	✓	✓	✓	✓
<b>Full-screen web testing</b>	Specify whether to set the browser to full- screen mode or normal mode during tests.	✓	✓	✓	✓	✓	✓	✓