Eight myths about OpenText Functional Testing

And the truth about how you can continue to innovate testing and deliver business value

Contents

You've invested in OpenText Functional Testing to ensure quality across your business-critical applications.

Do you have all the facts?

OpenText is the largest provider of automated software testing solutions in the marketplace. And naturally, much has been said about our flagship functional testing product, OpenText™ Functional Testing.

Maybe you've heard that it accelerates end-to-end functional test automation for enterprise applications using embedded AI-based capabilities—which is true. But what about the claims that are not?

It's time to set the record straight.

OpenText continues to enhance OpenText Functional Testing. Over the past three years, we've introduced a wide range of advanced capabilities that:

- Reduce test creation and execution time.

- Boost test coverage.

- Increase the resilience of testing assets.

- Cut test maintenance efforts.

As a result, third-party reviews and thousands of customers from diverse verticals and industries recognize the product as a top-rated test automation solution.

This eBook debunks eight common myths and misconceptions and shines a light on recent innovations.

Myth 01: **It lacks innovations in AI and cutting-edge technologies.**

Fact: **We continually enhance OpenText Functional Testing with new technologies and AI-based test automation capabilities.**

First of all, ever-expanding support for more than 600 controls and 200 applications leads the market with its depth and breadth of supported technologies. OpenText Functional Testing continues to evolve with the most cutting-edge technologies (see What's New in OpenText Functional Testing).

Using the Agile methodology, we developed OpenText Functional Testing to incorporate innovative technological developments and implement new capabilities, enhancement requests, and third- party integrations. Each new release introduces more than 20 newly supported technology versions, giving testers access to the most comprehensive technology stack in the market.

OpenText Functional Testing is also a leader in the artificial intelligence (AI) revolution in test automation. Its AI-based capabilities include machine learning and advanced optical character recognition (OCR) that provide advanced object recognition.

When combined with AI-based mockup identification, recording, text matching, and image-based automation, teams benefit from:

- Reduced test creation time.
- Streamlined test maintenance efforts.
- Increased test coverage.
- Improved resiliency of testing assets.

**Learn how one company is using the AI capabilities in UFT One**

Read the full story >

See the benefits of combining AI-based capabilities with intelligent test automation

Watch the video >

"UFT One's (OpenText Functional Testing) AI-based capabilities simplify the tough bits from test creation. I've known testers struggle for hours to interface with a particular visual element. AI takes all this away, and I can't imagine spending more than a few minutes on the same thing. I call it 'automagic,' as it really is!"

Chris Trimper
Independent Health

Recent innovations in AI-based testing that are sure to start revolutionizing the way you test
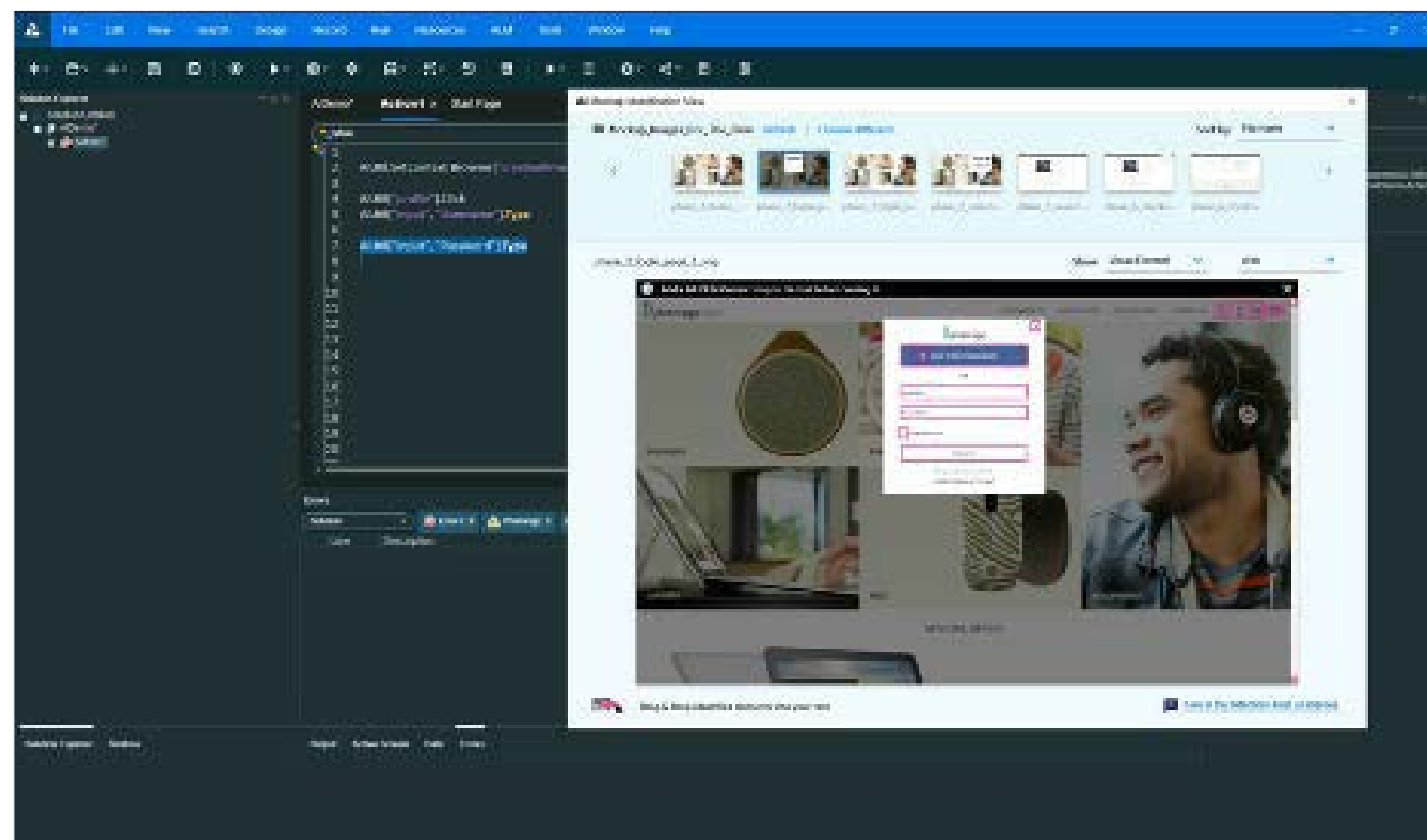
Start preparing AI-based tests with AI mockup testing, even if your application's UI only has a prototype available.
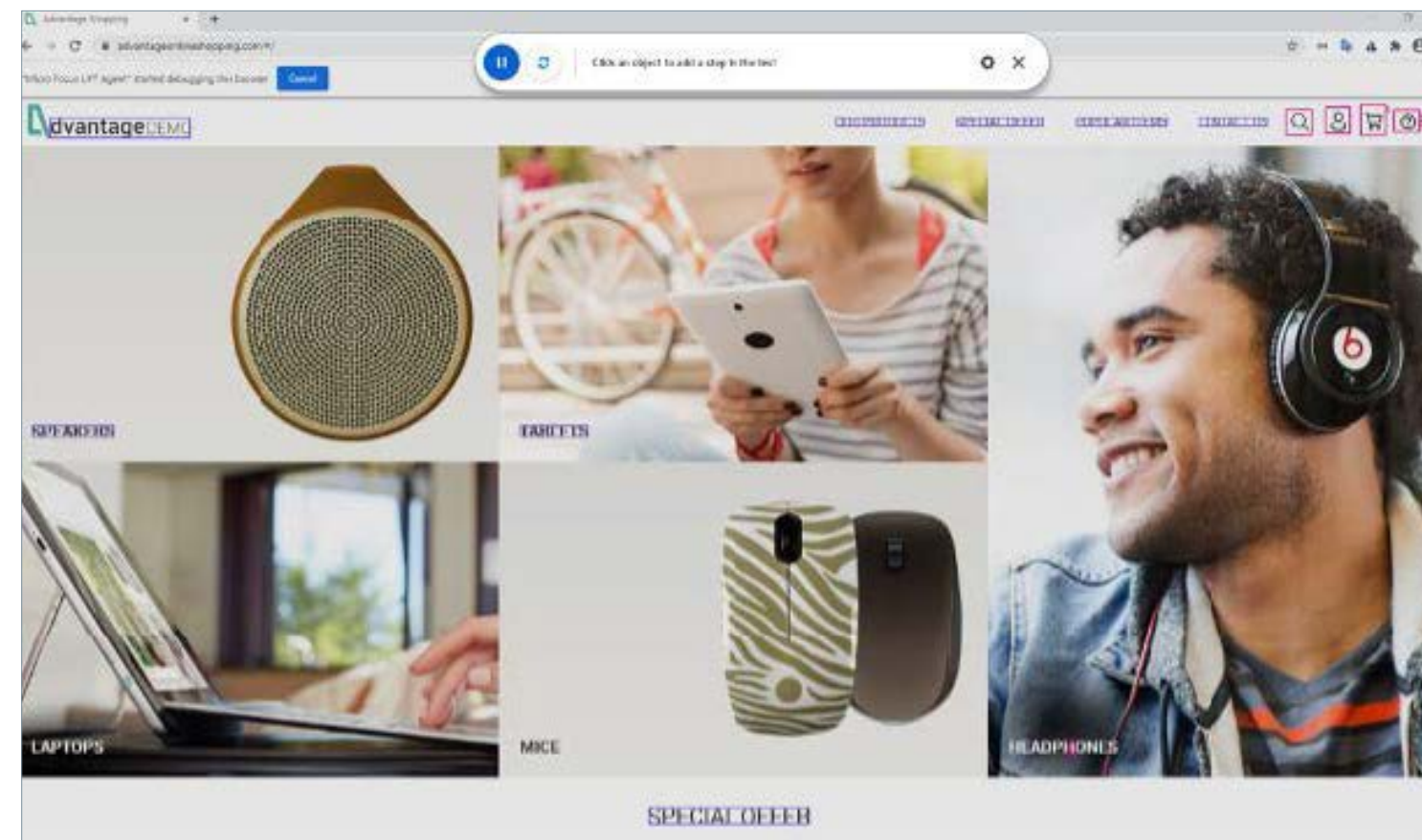
AI recording provides a foolproof "point and click" macro process that learns objects and creates a sequence of AI-based test steps.
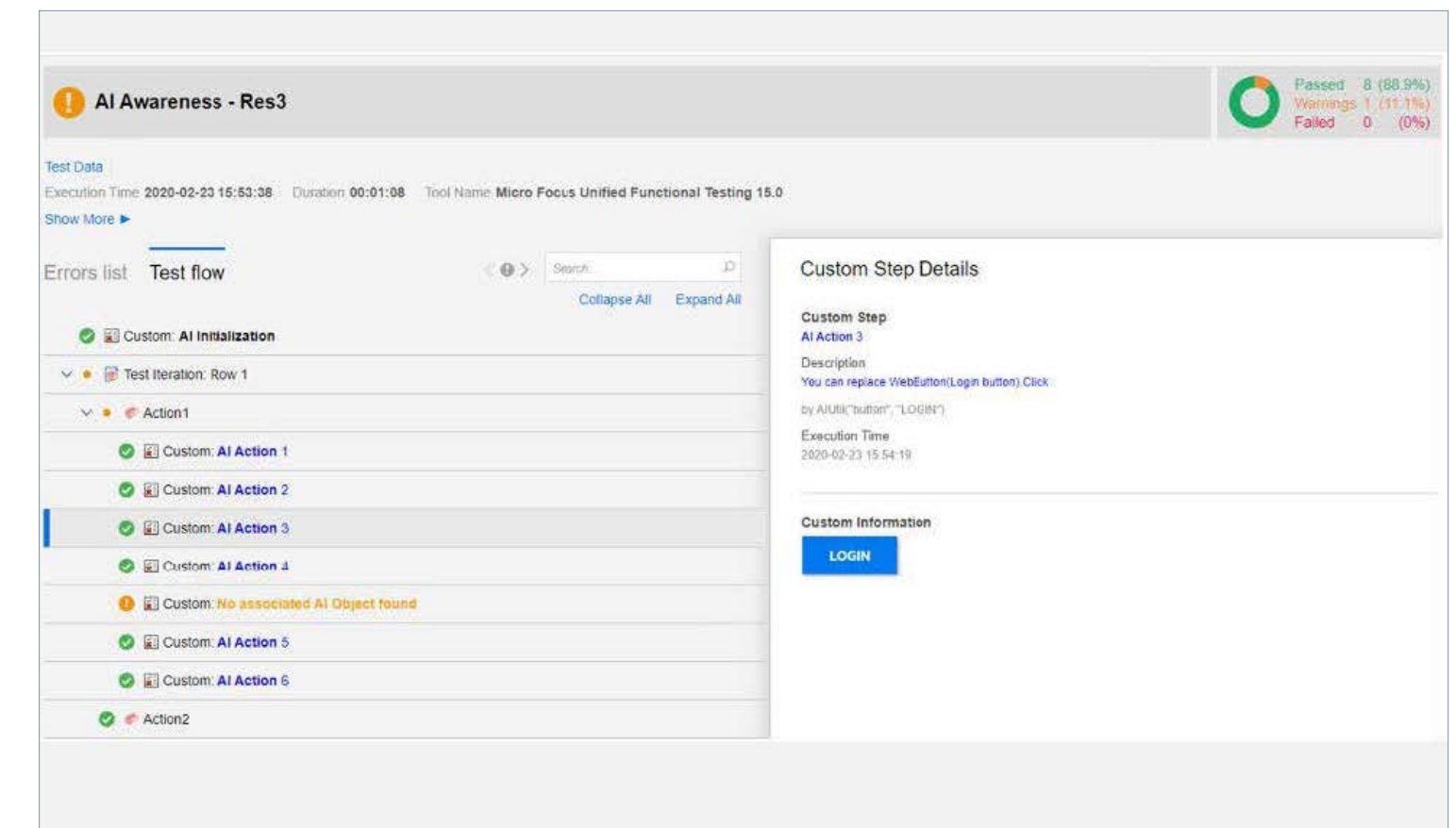
Instantly identify which technology-based test steps are eligible for AI-based tests with the AI Transformation Assistant.

Myth 02: **There's no support for DevOps, CI/CD, or continuous testing.**

Fact: **OpenText Functional Testing provides a DevOps-enabled toolchain for continuous testing and integrations with CI/CD and version control.**

OpenText Functional Testing is a natural citizen in the DevOps world. Take advantage of its open architecture and CI/CD integrations to support multiple testing strategies, eliminate bottlenecks, and increase efficiencies across your lifecycle.

The DevOps-enabled toolchain provides continuous testing support for open source, third-party, and OpenText solutions from version control to continuous integration to agile management.

OpenText Functional Testing integrates with Jenkins®, Bamboo®, and Azure DevOps Server® using our plugins. These CI capabilities enable testers to detect errors early while using other tools. Use testing as a build step and then present the results in your preferred CI tool's user interface. Our new OpenText Functional Testing CI Utilities also easily integrates OpenText Functional Testing into CI/CD pipelines without plugins using our set of open source utility tools.

OpenText Functional Testing also empowers collaboration among agile teams with its version control support for Git, TortoiseGit, Subversion (SVN), and TortoiseSVN—resulting in agility and efficiency gains.

OpenText Functional Testing also seamlessly integrates with OpenText™ Application Quality Management and OpenText Software Delivery Management, enabling DevOps teams to increase traceability, visibility, and compliance across the lifecycle.

Combine with OpenText Software Delivery Management to deliver immediate feedback of business and quality risks associated with a build across every step of your CI/CD pipelines through committed changes.

Learn how a large UK finance company integrated Functional Testing with their CI/CD tools

Read the full story >

Tech Tip
OpenText Functional Testing's open architecture allows any third-party vendor to build their own specific plugin using REST API.

"The team has worked on numerous Jenkins and JIRA integrations and are involved in the integration [of OpenText] solutions...a Jenkins pipeline is in place, for instance, from which UFT One (OpenText Functional Testing) runs functional testing to prove an application works."

Senior Test Engineer
Large UK Financial Services Company

Myth 03: It cannot be deployed in the cloud.

Fact: You can easily deploy OpenText Functional Testing in private, public, and managed clouds.

Expand your OpenText Functional Testing footprint by deploying to a cloudbased footprint, such as provisioned Citrix, AWS®, Azure, and Hyper-V™ virtual environments. As for the increasingly popular Docker, OpenText Functional Testing can speed up maintenance and test runs using Windows Docker containers for mobile and API tests, all in a Windows Docker environment.

The benefits of deploying OpenText Functional Testing in the cloud include:

- Cost efficiency

- Ease of management

- Ability to scale

- More testing per cycle in less time

Additionally, OpenText Functional Testing can deploy via a cloud-based SaaS license server. Benefits include:

- The ability to scale usage based on business needs.

- Low-risk adoption, which enables gradual

- onboarding of team members.

- Centralized license management and support of geographically distributed teams.

Learn more at Achieve Flexible Application Delivery.

For even more flexible buying options, you can spin up OpenText Functional Testing on virtual instances from the AWS Marketplace without substantial long-term cost or commitment.

Hourly-based OpenText Functional Testing images on AWS

Go to the AWS Marketplace >

Download ready-made Hyper V virtual images

Visit the OpenText Marketplace >

Myth 04: **Tests run slowly.**

Fact: **OpenText Functional Testing increases test velocity with test execution that is up to three times faster.**

While OpenText Functional Testing increases test velocity, the speed of Functional Testing tests can also become faster.

Increase test throughput with OpenText Functional Testing's extensive crossbrowser coverage. This capability enables you to script once and then replay all tests seamlessly across Chrome, Chromium Edge, Firefox, Safari, Internet Explorer, and more.

Parallel testing extends functionality further with the ability to execute up to four tests in parallel across distributed infrastructures for web, mobile, Java™, API, and through Jenkins.

The dedicated Runtime Engine provides a standalone instance that executes tests from a number of different places without needing access to OpenText Functional Testing's integrated development environment (IDE). Tests run significantly faster when the IDE doesn't have to load first.

OpenText Functional Testing's AI-based testing also reduces test creation time and test maintenance while improving script resilience and boosting test coverage.

In addition, test execution speed now runs up to three times faster for web-based tests, Insight object identification, and Windows-based objects with the release of 15.0.2—accelerating test processes and reducing test times.

See how one company is using OpenText Functional Testing to increase test velocity

Read the full story >

"With UFT One (OpenText Functional Testing) we have tripled the number of test environments each month. Human error is eliminated with standardized test scripts. We are completely ready to deploy new features of SCORE LINK into any environment."

Aki Kobayashi
TIS Inc

Fresh UI design for a better testing experience
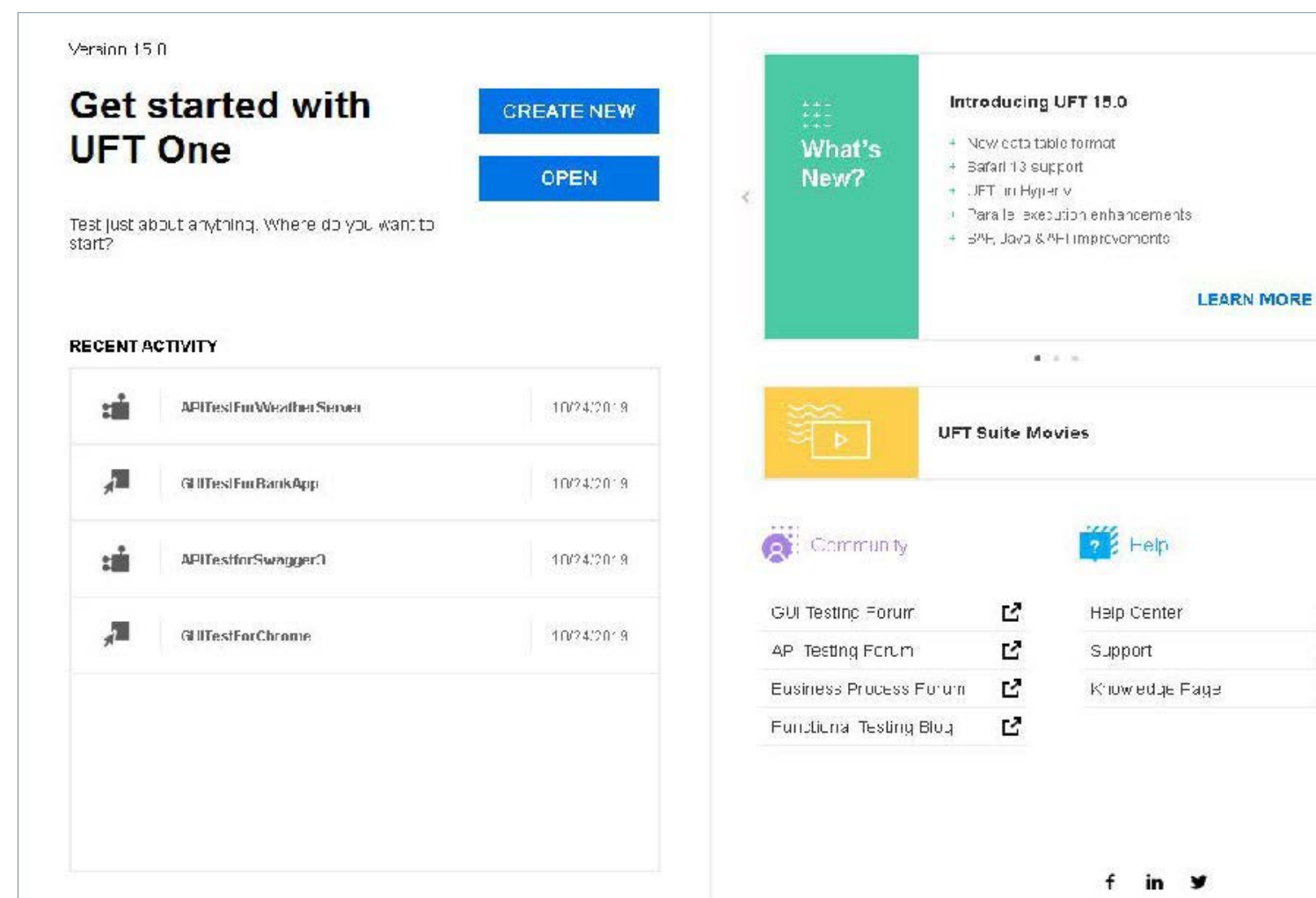
A redesigned interface puts everything you need at your fingertips.
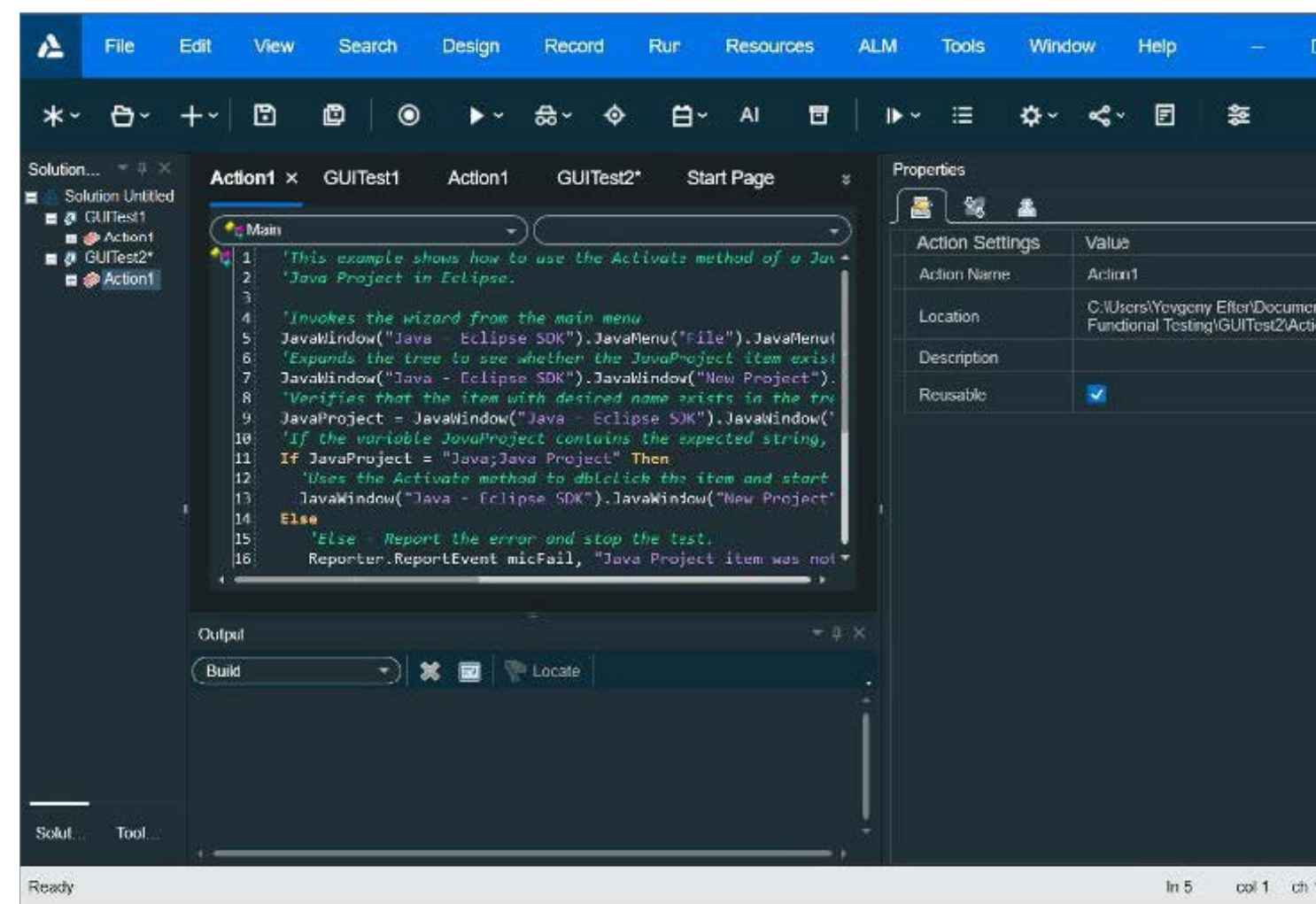
An aesthetically darker IDE theme enhances legibility and readability.

Myth 05: **There's little support for testing enterprise applications.**

Fact: **OpenText Functional Testing goes hand in hand with the most used, trusted, and cutting-edge enterprise applications.**

From SAP® to Salesforce® to Citrix and more, OpenText Functional Testing provides test automation that ensures your most vital enterprise-grade applications are tested properly.

An unparalleled technology stack allows you to test:

- APIs and mobile devices on Docker containers.
- Virtual applications running on Citrix XenApp.
- New technologies and tools such as Microsoft Chromium Edge, Salesforce Lightning, React, and more.

OpenText Functional Testing also offers extensive SAP support:

- SAP Fiori
- SAP S4/HANA
- SAPUI5 objects and methods
- SAP Web Dynpro
- ABAP
- SAP NWBC for desktop

- SAP business applications such as Ariba, Concur, Fieldglass, and more

In addition, OpenText Functional Testing's AI capabilities are battle-tested for SAP Fiori and SuccessFactors.

Rarely does OpenText Functional Testing lack support for any open source, third-party, or custom controls that your applications use. Even when it doesn't, you can use add-in extensibility to create custom objects—avoiding unexpected Professional Service fees.

Popular Supported Applications
- Adobe PDF
- Angular DevExpress EPIC
- Microsoft Dynamics
- Oracle™
- PostgreSQL React
- Salesforce (including Lightning)
- SAP S4/HANA
- Teamcenter And more...

Learn how this global organization integrated OpenText Functional Testing and SAP

Read the full story >

"We could support a huge-scale project such as the S/4HANA migration with trusted tools we were already familiar with. Through testing outsourcing and sophisticated automation, we have drastically reduced the burden on our business users, improved our test coverage, and increased the quality of our service."

SAP Delivery Center Test Management Lead
Japan Tobacco International

Myth 06: It's only good for GUI tests.

Fact: OpenText Functional Testing supports end-to-end GUI and API testing across all application layers.

API and web services testing provides an extensible framework for creating and executing tests on headless applications.

For example, you can test at the headless layer with a collection of built-in standard activities, such as file and string manipulation, data conversion, and messaging. For time- bound projects, import existing resources (SoapUI, WSDL, WADL, Swagger, OData) and let UFT One automatically generate API tests.

OpenText Functional Testing also supports enterprises testing for cutting-edge technologies, such as REST service models, JSON requests for REST API services, or the internet of things (IoT)—including MQTT and CoAP.

Other key technologies for API testing include:

- Visual test-driven design.
- Extensive headless layer support.

- Powerful data handling capabilities.
- Easy integration of models and services.
- The ability to execute API tests in Docker Containers.

For increased velocity, run multiple API-based tests simultaneously—up to four tests in parallel.

Additionally OpenText Functional Testing test an API together and a GUI test, providing the ability to run API tests that call GUI tests in parallel or call API tests in GUI test parallel runs.

Benefits of API testing include:

- **Accelerate ROI**: improve application quality and reduce risk.
- Reduce errors: find defects that only occur when testing integrated scenarios.
- Reduce cost: a single solution for GUI, headless, and multi- layer testing.

- Improve quality: test across composition applications and multiple application layers.

Core API Functions

- Activity Sharing
- C# Editor
- Checkpoints
- File Operations
- Multiple Data Tables
- Nested Iterations
- Network Capture
- Security
- SoapUI Test Conversion
- Test Parameters
- XMLGrid
- And more…

Myth 07: Tests cannot be reused and are hard to maintain.

Fact: You can easily reuse OpenText Functional Testing's tests and assets to increase coverage across different platforms.

Start reusing test assets and improve collaboration across your teams with shared object repositories, function libraries, and data tables. Consider leveraging these options if you face at least one of the following challenges:

- An application under test is dynamic, and object descriptions change frequently.

- Segments of code need to run several times in your tests.

- You conduct data-driven tests that need to run an "Action" multiple times.

AI-based tests also give you the added benefit of using a single script to run on multiple platforms and browsers automatically.

The benefits of AI-based reusable tests include:

- Increased automation efficiency via simplified and improved test creation, execution, and maintenance.

- Reduced test creation time.

- Increased test coverage and resiliency of testing assets.

- Reduced overall test maintenance.

Learn more about the benefits of AI-based testing with OpenText Functional Testing here: AI-Powered Intelligent Test Automation with the Functional Testing family.

Learn how one company is using the AI capabilities in OpenText Functional Testing

Read the full story >

Tech Tip
According to the recent survey, **81% of respondents** prefer using function libraries to promote the reusability of their test assets.

"With the new OpenText Functional Testing AI-based testing capabilities, we were able to leverage a single set of multiplatform scripts across iOS and Android and reduced mobile test maintenance by at least 35%."

Chris Trimper
Test Automation Architect, Independent Health

Myth 08: Developers and agile testers find it hard to use.

Fact: OpenText Functional Testing provides a shift-left solution with OpenText Functional Testing for Developers that is free of charge.

OpenText Functional Testing comes bundled with with OpenText Functional Testing for Developers. The solution provides shift-left test automation for developers and agile testers using their language, IDE, and framework of choice: including open source BDD/TDD frameworks such as JUnit™, NUnit™, Cucumber™, Mocha™, and more.

Agile teams that leverage both OpenText Functional Testing and OpenText Functional Testing for Developers benefit from enhanced developer and QA collaboration. One advantage is the ability to convert OpenText Functional Testing object repositories to OpenText Functional Testing for Developers application models or vice versa.

Second, OpenText Functional Testing for Developers facilitates open source testing frameworks. For example, developers can build on existing tests or create new, robust, and reusable Selenium tests within minutes. Alternatively, they can use an extension for the Selenium WebDriver API that adds object locators and a Selenium identification center to easily maintain identifiers.

Developers can also accelerate test execution and improve code quality by running multiple tests in parallel on physical, virtual, or Docker

environments. Create scripts within minutes with the record and replay feature. Maintain test objects in the Application Model—change once, and all scripts will automatically update. Adapt to changes in the underlying application with the Object Identification Center.

Lastly, eliminate bottlenecks where services are not available, data access is restricted, data is difficult to attain, or the services are not suitable for the test. With embedded service virtualization, developers can now enable delayfree, continuous testing, with a built-in capability to execute tests with simulated APIs and virtual services.

"With UFT Developer (OpenText Functional Testing for Developers), we release higher quality software and deliver new functionality faster and more frequently. It gives us a great platform to expand our thinking around Agile processes and DevOps. We want to increase our application coverage and integration and have created a scalable test framework to achieve this."

Test Automation Business Lead
Helsana Group

Now that you have a better understanding of how OpenText Functional Testing continues to innovate let us help you upgrade or adapt to the latest version.

Take advantage of recent improvements to the upgrade process and do it yourself, get free advice from our upgrade experts, or engage with OpenText Professional Services to do the work for you.

Feel free to share this with colleagues who need help separating fact from fiction when it comes to OpenText Functional Testing. It feels good to have the right information.
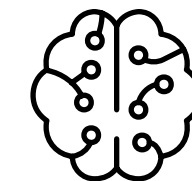
Interested in learning more about OpenText Functional Testing?
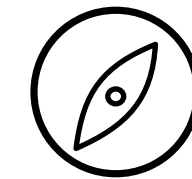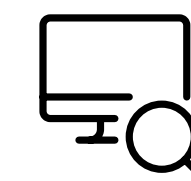
[Explore benefits and capabilities >](#)
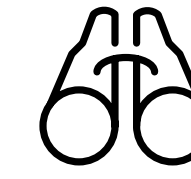
[See what's new in OpenText Functional Testing >](#)

[Learn about OpenText Functional Testing's AI capabilities >](#)

[See how one customer is using OpenText Functional Testing's AI >](#)

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