



Eight Myths About UFT One

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

You've invested in UFT One to ensure quality across your business-critical applications.

Do you have all the facts?

Micro Focus is the largest provider of automated software testing solutions in the marketplace. And naturally, much has been said about our flagship functional testing product, UFT One.

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.

Micro Focus continues to enhance UFT One. 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.

UFT One Myths

- Myth 01 It lacks innovations in AI and cutting-edge technologies.
- Myth 02 There's no support for DevOps, continuous integration and continuous development (CI/CD), or continuous testing.
- Myth 03 It cannot be deployed in the cloud.
- Myth 04 Tests run slowly.
- Myth 05 There's little support for testing enterprise applications.
- Myth 06 It's only good for GUI testing.
- Myth 07 Tests cannot be reused and are hard to maintain.
- Myth 08 Developers and agile testers find it hard to use.

Myth 01

It lacks innovations in AI and cutting-edge technologies.

Fact

We continually enhance UFT One 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. UFT One continues to evolve with the most cutting-edge technologies (see [What's New in UFT One](#)).

Using the Agile methodology, we developed UFT One 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.

UFT One 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.



UFT One's 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

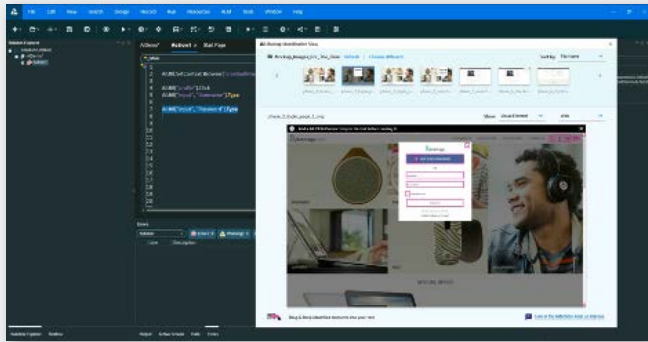
Learn how one company is using the AI capabilities in UFT One:

[Read the full story ›](#)

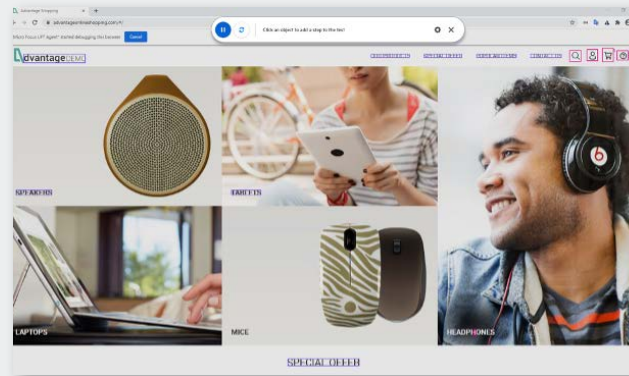
See the benefits of combining AI-based capabilities with intelligent test automation:

[Watch the video ›](#)

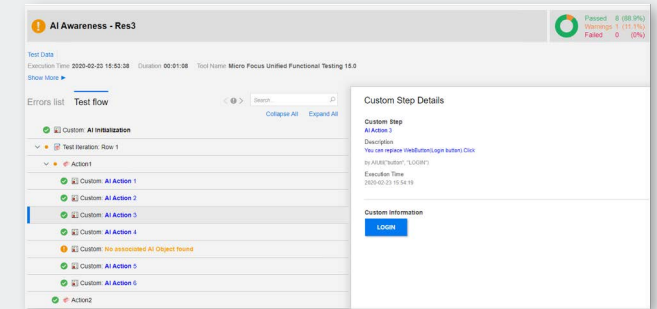
Recent innovations in AI-based testing that are sure to start revolutionizing the way you test



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

UFT One provides a DevOps-enabled toolchain for continuous testing and integrations with CI/CD and version control.

UFT One 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 Micro Focus solutions from [version control](#) to [continuous integration](#) to agile management.

UFT One 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 UFT One CI Utilities also easily integrates UFT One into CI/CD pipelines without plugins using our set of open source utility tools.

UFT One also empowers collaboration among agile teams with its version control support for [Git](#), TortoiseGit, Subversion ([SVN](#)), and TortoiseSVN—resulting in agility and efficiency gains.

UFT One also seamlessly integrates with Micro Focus solutions [ALM/Quality Center](#) and [ALM Octane](#), enabling DevOps teams to increase traceability, visibility, and compliance across the lifecycle.

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



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

Senior Test Engineer

Large UK Financial Services Company

Learn how a large UK finance company integrated UFT One with their CI/CD tools

[Read the full story >](#)

Tech Tip

UFT One's open architecture allows any third-party vendor to build their own specific plugin using REST API.

Myth 03

It cannot be deployed in the cloud.

Fact

You can easily deploy UFT One in private, public, and managed clouds.

Expand your UFT One footprint by deploying to a cloud-based footprint, such as provisioned Citrix, [AWS](#), Azure, and [Hyper-V](#) virtual environments. As for the increasingly popular Docker, UFT One 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 UFT One in the cloud include:

- Cost efficiency
- Ease of management
- Ability to scale
- More testing per cycle in less time

Additionally, UFT One 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 UFT One on virtual instances from the [AWS Marketplace](#) without substantial long-term cost or commitment.

Hourly-based UFT One images on AWS

[Go to the AWS Marketplace ›](#)

Download ready-made Hyper V virtual images

[Visit the Micro Focus Marketplace ›](#)

Myth 04

Tests run slowly.

Fact

UFT One increases test velocity with test execution that is up to three times faster.

While UFT One increases test velocity, the speed of UFT One tests can also become faster.

Increase test throughput with UFT One's extensive [cross-browser 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 [UFT Runtime Engine](#) provides a standalone instance that executes tests from a number of different places without needing access to UFT One's integrated development environment (IDE). Tests run significantly faster when the IDE doesn't have to load first.

UFT One'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 [UFT One 15.0.2](#)—accelerating test processes and reducing test times.



With UFT One 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.

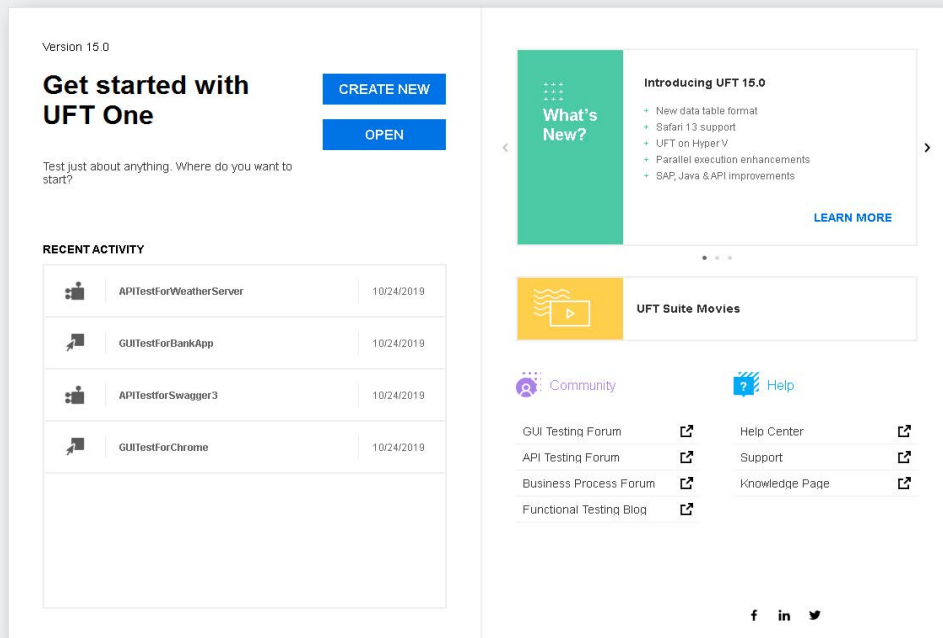
Aki Kobayashi

TIS Inc

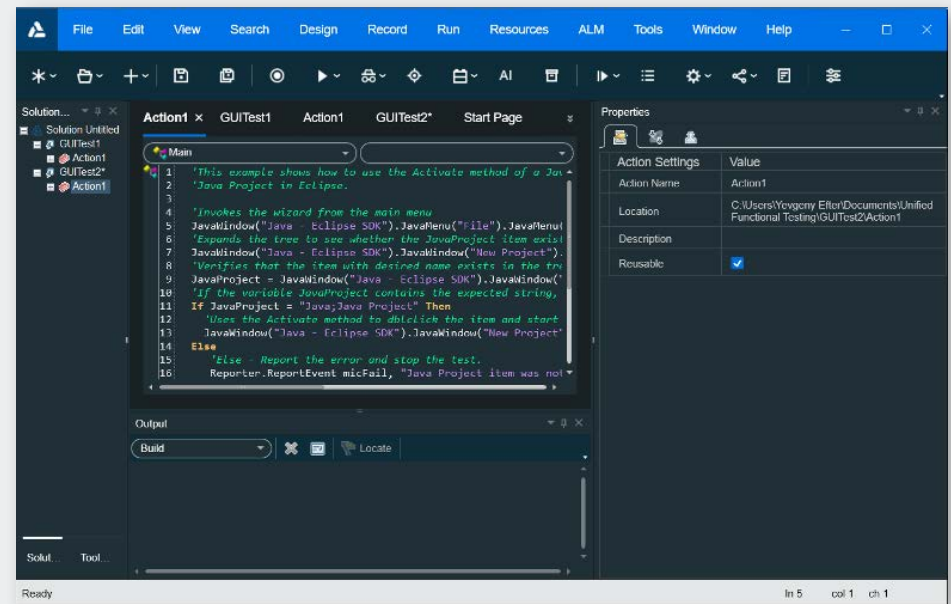
See how one company is using UFT One to increase test velocity.

[Read the full story ›](#)

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.



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

Fact

UFT One goes hand in hand with the most used, trusted, and cutting-edge enterprise applications.

From [SAP](#) to [Salesforce](#) to Citrix and more, UFT One 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.

UFT One 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, UFT One's [AI capabilities are battle-tested for SAP Fiori](#) and [SuccessFactors](#).

Rarely does UFT One 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.

Learn how this global organization integrated UFT One and SAP.

[Read the full story ›](#)

Popular Supported Applications

Adobe PDF
Angular
DevExpress
EPIC

Microsoft Dynamics
Oracle
PostgreSQL
React

Salesforce (including Lightning)
SAP S4/HANA
Teamcenter
And more...

Myth 06

It's only good for GUI tests.

Fact

UFT One 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.

UFT One 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, UFT One can [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.

Learn how UFT One supports a wide range of software and technologies.

[Download the presentation ›](#)

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 UFT One'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 UFT One here: [AI-Powered Intelligent Test Automation with the UFT Family](#).



With the new UFT One 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

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

[Read the full story >](#)

Tech Tip

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

Myth 08

Developers and agile testers find it hard to use.

Fact

UFT One provides a shift-left solution with UFT Developer that is free of charge.

UFT One comes bundled with [UFT Developer](#). 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 UFT One and UFT Developer benefit from [enhanced developer and QA collaboration](#). One advantage is the ability to [convert UFT object repositories to UFT Developer application models](#) or vice versa.

Second, UFT Developer 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 delay-free, continuous testing, with a built-in capability to execute tests with simulated APIs and virtual services.



With UFT Developer, 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

See how UFT Developer enables agile testing:

[Read the full story ›](#)

Now that you have a better understanding of how UFT One 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 Micro Focus 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 UFT One. It feels good to have the right information.

Interested in learning more about UFT One?



[Explore benefits and capabilities ›](#)



[See what's new in UFT One ›](#)



[Learn about UFT One's AI capabilities ›](#)



[See how one customer is using UFT One's AI ›](#)

