Micro Focus UFT One

Accelerate and simplify end-to-end functional testing with one intelligent solution that builds and automates tests for enterprise apps using embedded AI-based capabilities.

Micro Focus UFT One is an integrated functional test automation solution that enables customers to test earlier and faster by delivering AI-driven test automation across an unparalleled range of technologies to deliver the speed and resiliency required to achieve automation at scale that is tightly integrated with an organization’s current DevOps toolchain.

What’s New Over the Last Two Years?

AI-Powered Intelligent Test Automation
Simplify and improve test creation, execution, and maintenance through AI-powered intelligent automation. AI-based machine learning and advanced OCR provide for advanced object recognition, and when combined with AI-based mockup identification, AI-based recording, AI-based text matching, and image-based automation, teams can reduce test creation time and test maintenance efforts, and boost test coverage and resiliency of testing assets.

- **Object Interaction.** Increase test resiliency by interacting with visual objects on the screen the same way as a user would. UFT One’s neural network understands each object and its context and manipulates it in a natural way. Together, UFT One’s AI-based object recognition and object interaction allow a single script to run on multiple different platforms.

- **AI Mockup Identification.** Learn AI objects on application mockups and prepare your AI-based tests before your application is developed

- **AI Text Matching.** Considers spelling variations and words with similar meaning to be matches. If necessary, you can instruct UFT One to look exactly for the specified text when identifying AI test objects

- **AI Transformation Assistant.** Run your existing tests with this feature enabled to receive suggestions for transforming technology-based test steps to AI-based testing steps
  - **AI Recording.** Record a business flow of your application and create a sequence of AI steps in your test
  - **Remote AI Service.** Install this service on one central powerful computer to provide faster and more efficient AI capabilities to less powerful UFT One machines
  - **Automatic scrolling.** Automatically scrolls further in search of the object that is not displayed

**Next-Gen Object Spy**
Our new object spy is a visually-intuitive tool for designing tests with greater flexibility and ultra-modern functionality. Like the existing Object Spy, our new object-spying experience—called “Object Identification Center” (OIC) displays a test object’s hierarchy and properties and enables you to:

- Drag n’ drop multiple objects
- Add multiple objects to a test or object repositories
- Customize an object’s identification by modifying its description properties
- Add objects to external repositories not associated to the current test

**Microsoft Chromium Edge**
Introducing support for Microsoft’s latest browser incarnation—built on Google’s Chromium project. Simply download and run tests in parallel or data-drive tests using “ChromiumEdge” as the browser name to get started.

**Azure DevOps Server**
Using UFT One on a Windows machine, the Microsoft CI system Azure DevOps Server or Services can trigger test runs from the local file system, ALM, or the ALM Test Lab module.

Modern Look and Feel
Cosmetic and aesthetic UI-based enhancements that emphasize UFT One’s ease-of-use.

- **Dark Theme.** Enhanced legibility and readability with an aesthetically darker IDE that’s friendlier on your eyes
- **Clean Design.** Brand-new toolbar, main menu, icons, and a redesigned Start page
- **UI Enhancements.** New UI updates to the Add-in manager, Keyword View, and Object Repository

**New Data Table**
The new table in UFT One supports Excel’s .XLSX format for UI tests and promotes faster response times. These latest enhancements enable you to:

- Use new formulas and functions
- Use dashes and spaces in parameter names
- Select whether to print the whole data table or the current sheet only
- Maximum cell content length extended from 16,000 to 32,000 characters
- Maximum number of columns extended from 256 to 16,000 columns
- Jump to a specific cell by entering its coordinates (for example G27)

**Dynamic Add-in Loading**
Replay your tests seamlessly without having to go back and tell UFT One which add-in to use. UFT One automatically loads an add-in when you open an existing test. Add-ins are also unloaded when you close their test.

**Performance Acceleration**
Reach speeds up to 3X faster. Performance has been improved to accelerate test processes and reduce test times. This includes:

- **Web.** Accelerated web-based testing on Chrome, Chromium Edge, and Firefox
Insight Recording. Higher-degree of accuracy, speed, and ease of use for object identification

Standard Windows. Improved speeds for testing standard Windows-based objects

Parallel Execution
Fire your tests on all cylinders by running multiple tests simultaneously with our latest enhancements.

Parallel Execution for API Testing. Run up to four UFT One API tests in parallel

Parallel Execution for Java. Run up to four Java tests in parallel

Brand-new UI. Use the new Parallel Runner UI tool to configure your parallel test runs

 Provision and Deployment
Scalable and flexible options to build and deploy test environments.

Docker Containers for API Testing. Run API tests in a lightweight Windows Docker environment directly from Jenkins

UFT on Hyper-V. Scale test assets accordingly by spin-up multiple Hyper-V instances running UFT One

OCR Enhancements
Improvements for working with unique test objects.

Cloud OCR. Record and run OCR-based objects with a higher level of accuracy with our support for two new tools: Google Cloud and Baidu Cloud

Text-based Test Objects. Create operations on objects for Citrix and specific OCR-based text areas

Mobile Testing Enhancements

Test devices stored on AWS Device Farm

Capture animated GIFs for each test step

Test iOS hybrid apps not signed with a development certificate

Record and run tests on Android and iOS apps built using Google Flutter SDK

Add device time to HTML report

Track and report additional device metrics—WiFi signal strength, thermal state, and disk space

Core Technology Enhancements

SAP SuccessFactors support

Kafka and Swagger 3.0 support for API testing

SAP web testing support for Chrome and Chromium-based Edge

64-bit support for legacy apps (Delphi, PowerBuilder, QT, etc.)

And much more...

Did You Know?

Engage and share knowledge or feedback about a wide range of UFT One topics on the UFT One Community Forum.

Learn more about recent releases by reviewing the UFT One available on the UFT One Help website.

Keep up to date on the latest news and events with the Application Delivery Management Blog.

This information reflects cumulative enhancements in Micro Focus UFT One 15.0 and later.