

Compare Functional Testing Software Products and Editions

The definitive guide to understanding Test Automation offerings

Micro Focus® provides a choice of functional testing software tools to help you find the best solution for all your digital testing needs. The purpose of this document is to provide the reader with information about the differences between legacy functional testing products (Micro Focus Quick Test Professional [QTP], Micro Focus Quick Test Professional Essentials [QTP-E], Micro Focus Functional Testing [FT], and Micro Focus Service Test [ST]) and the latest solutions: Micro Focus Unified Functional

Testing (UFT) and Micro Focus UFT Pro (formerly LeanFT).

We recommend upgrading to the latest release of UFT software to keep current on the latest advancements in features, capabilities, and software testing technologies, designed to help facilitate GUI, application program interface (API), business component, and end-to-end testing using a single solution.

Products and Editions Covered

Core Micro Focus Functional Testing Center products and editions discussed in this data sheet (ordered from latest to legacy offerings).

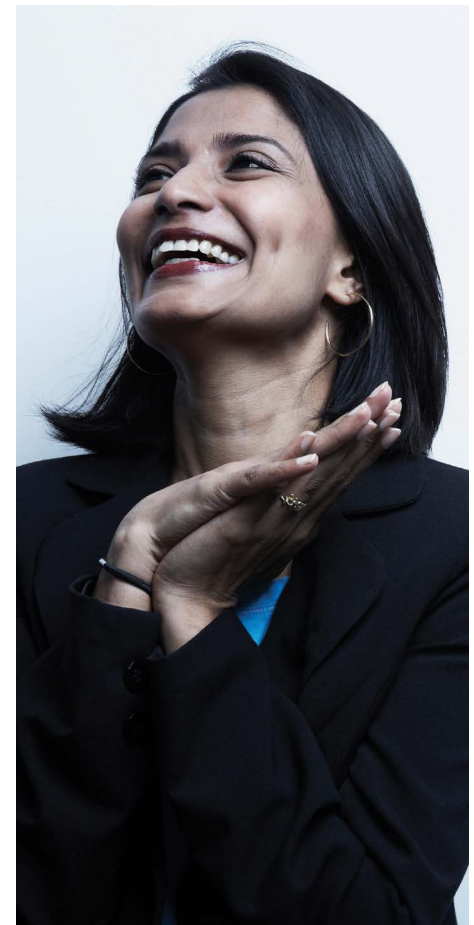
Products	Product Status
Unified Functional Testing Ultimate	New edition in version 14,00
Unified Functional Testing Enterprise (formerly UFT)	New edition in version 14,00
Unified Functional Testing Pro (formerly LeanFT)	New edition in version 14,00
Functional Testing (FT)	Legacy product
Quick Test Professional (QTP)	Legacy product
Quick Test Professional Essential (QTP-E)	Legacy product
Service Test (ST)	Legacy product

Table 1. Functional Testing Center products and suites

Unified Functional Testing (UFT) at a Glance

The complete, industry-standard software testing solution for automation of web, mobile, API, and packaged applications:

- Single, unified interface for functional and regression test automation with the widest range of supported technologies
- Mobile application testing through Micro Focus Mobile Center integration
- API and Web Service testing
- Manual-to-automated test execution with Micro Focus Sprinter
- Embedded Business Process Testing (BPT)



Data Sheet

Compare Functional Testing Software Products and Editions

New Editions in UFT 14.00

With version 14.00, UFT introduced the Ultimate, Enterprise, and Pro (formerly LeanFT) license editions, each bundled with different subsets of UFT functionality.

UFT ULTIMATE

- New edition to UFT suite
- Offers all add-ins and supported technologies that work on either the GUI or the API/services layer
- Available as Concurrent only
- Includes BPT, Sprinter, and Mobile Center (for functional testing purposes only)

UFT ENTERPRISE

- Equivalent to the UFT license sold prior to version 14.00
- Offers same add-ins and supported technologies as UFT Ultimate
- Available as Seat and Concurrent
- Includes Sprinter (for Concurrent licenses only)

UFT PRO

- Equivalent to the LeanFT license sold prior to version 14.00
- Can be installed as a feature of UFT Enterprise/Ultimate or as a standalone product
- Available as Seat and Concurrent

NOTE

Customers with existing UFT licenses are not required to migrate to one of the new license editions. Their existing license will simply be renamed.

Learn more about upgrade options and fallback mechanisms in the [UFT User Guide](#).

New Editions	Former Edition	License Mode(s)
UFT Ultimate	--	Concurrent only
UFT Enterprise	HPE UFT	Seat and Concurrent
UFT Pro	HPE LeanFT	Seat and Concurrent

Table 2. Comparison matrix of new UFT 14.00 suite

Editions	Business Process Testing (BPT)	Mobile Center	Sprinter
UFT Ultimate	<ul style="list-style-type: none"> • Included • Requires a valid ALM or QC Concurrent license 	<ul style="list-style-type: none"> • Included • Enables functional testing capabilities only within UFT 	<ul style="list-style-type: none"> • Included • Concurrent licenses only • Does not require a Sprinter license*
UFT Enterprise	<ul style="list-style-type: none"> • Not included • Supports existing/new BPT integrations with valid ALM or QC Concurrent licenses 	<ul style="list-style-type: none"> • Not included • Supports existing/new Mobile Center licenses that include UFT 	<ul style="list-style-type: none"> • Included • Concurrent licenses only • Does not require a Sprinter license*
UFT Pro	<ul style="list-style-type: none"> • Not included 	<ul style="list-style-type: none"> • Not included 	<ul style="list-style-type: none"> • Not included

Table 3. Comparison matrix of UFT 14.00 bundled products

*Sprinter is licensed when it detects the presence of a UFT Ultimate or UFT Enterprise license on server

Legacy Products at a Glance

Functional Testing Center products prior to the introduction of Unified Functional Testing.

- **Quick Test Professional (QTP)**—Automated functional and regression test tool that interacts only at the GUI level
 - Included the following add-ins: ActiveX, Web, and Visual Basic
 - Optional add-ins included: Delphi, Java, .NET Web Forms, .NET Windows Forms, Oracle, PeopleSoft, PowerBuilder, SAP Web, SAP Windows, Siebel, Standard Windows, Stingray, Terminal Emulator, VisualAge, Web Services, Windows Presentation Foundation (WPF)
- **Quick Test Professional Essentials (QTP-E)**—Same as QTP, but with limited add-ins and integration to Quality Center (QC) Starter Edition only
 - Included the following add-ins: ActiveX, Java, Visual Basic, Web, .NET, WPF, and Silverlight
 - Also supported ASP, .NET, and AJAX through Web Extensibility

- **Functional Testing (FT)**—Combined Quick Test Professional and all Quick Test Professional add-ins into a single, integrated software testing offering
- **Service Test (ST)**—Standalone solution for API and Web Services testing

Product Comparison

Side-by-side comparison for the following products: QTP, QTP-E, FT, UFT, and UFT Pro (LeanFT).

QTP vs. QTP Essentials (QTP-E)

- QTP Essentials is a reduced version of QTP with a lower cost than the standard version
- QTP-E has the same patches and technology limitations as QTP standard version

- Main differences between QTP and QTP Essentials is that the latter:
 - Offers only five supported technologies
 - Integrates with only one, limited version of Quality Center—QC Starter Edition—that is no longer supported

QTP vs. Service Test (ST)

- QTP is used for functional and regression testing of applications with user interfaces
- Service Test is designed to handle “headless” software testing (applications without a user interface), thereby making Service Test the tool of choice for testing of complex Web Services

- Additional Service Test features include:
 - Ability to reuse scripts for performance testing in LoadRunner—XPath expressions, Soap Fault testing, Representational State Transfer (REST) services, and JMS testing
 - Built-in scenarios for configuring security in Web Service calls
 - Unified license for integrating Service Test with QTP

License Comparison

This topic answers a number of frequently asked questions about usage and consumption options for licenses.

UFT

WHAT'S INCLUDED?

Each license includes all add-ins and supported technologies that work on either the GUI or the API/services layer. With a UFT license, you can also use UFT Pro (LeanFT).

LICENSE EDITIONS

Three new license editions were introduced to the UFT suite in version 14.00. Each edition provides a different subset of functionality. These new editions are:

- UFT Ultimate
- UFT Enterprise
- UFT Pro

Feature	FT/QTP	QTP Essential	UFT	UFT PRO (LeanFT)
Summary	Provides functional and regression test automation working on the GUI level of the application under test	Same as QTP, but with limited add-ins and integration to QC Starter Edition only	Complete industry-standard test automation solution. UFT automates functional testing through an intuitive, visual user experience that ties manual testing, automated software testing of both GUI and API, and framework-based testing together in one integrated development environment (IDE)	Powerful, lightweight, dev-friendly functional testing software tool purpose-built for continuous testing and continuous integration
Supported platforms	More than 20 supported platforms, including Web Services, Mobile, API, legacy apps on mainframe and desktop, packaged applications	ActiveX, Java, Visual Basic, Web, .NET, WPF, Silverlight. Also supports ASP, .NET, and AJAX	Same as QTP/FT, but with all platforms supported as part of the offering	Supports most common AUT technologies, including Windows Standard, Web, .NET Windows Forms, WPF, SAP, Mobile, Java, JavaScript*
Supported platforms with each license	A customer has to select which platform(s) to buy. Only platforms that have been originally purchased are included in the license	Limited—Web only	All supported testing platforms included. Refer to the product availability matrix (PAM) for detailed listing of all supported technologies, platforms, and integrations	All supported testing platforms included. Refer to the product availability matrix (PAM) for detailed listing of all supported technologies, platforms, and integrations
Scripting languages	VBScript	VBScript	VBScript and C# for API/Web Services scripting	C#, Java, JavaScript
Test automation frameworks	Business Process Testing (BPT)	Not supported	BPT embedded within UFT	Any open source framework, e.g., test-driven development (TDD), behavior-driven development (BDD), Framework Integration (Cucumber, Fitness, JUnit, NUnit, etc.)

Table 4. Feature-functionality matrix for legacy and current products

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Data Sheet

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Feature	FT/QTP	QTP Essential	UFT	UFT PRO (LeanFT)
Chrome Emulator	Supported	Not supported	Supported. Test your mobile Web applications using UFT web tests, and record and run using Chrome's mobile emulator	Not supported
API/Web Services Testing	Not supported	Not supported	Supported by built-in wizards/accelerators	Partially supported by existing dev methods to interact with this layer
Service Virtualization	Supported	Not supported	Supported	Not supported
Network Virtualization	Supported	Not supported	Supported. Integrate with Network Virtualization to run UFT GUI tests under various network emulations and conditions	Not supported
Mobile Center	Supported	Not supported	Supported	Supported
Continuous Integration tools	Supported	Not supported	Supported	Supported
Insight recording (image recognition)	Supported	Not supported	Supported	Scripting only
Source control & version control	Supported	Not supported	Supported	Supported

**Technology preview*

USAGE RESTRICTIONS

With the concurrent license, there is no site or geographic area license restriction—it works across the globe. With a seat license, there is only one machine that can use it.

CONSUMPTION OPTIONS

Flexible consumption options:

- Receive UFT Pro (LeanFT)—free for existing UFT (full license) customers
- Buy standalone UFT Pro (LeanFT) licenses or UFT Runtime licenses
- Buy term licenses of three, six, or 12 months

TRIAL LICENSE

Free no-contract 60-day trial license with all features included.

Quick Test Professional (QTP)

WHAT'S INCLUDED?

Sold in the past with a limited number of add-ins. Additional add-ins (e.g., SAP, Java, and others) licensed separately.

USAGE RESTRICTIONS

Geographic restrictions apply according to the license purchased.

CONSUMPTION OPTIONS

No longer available for purchase.

TRIAL LICENSE

No longer available for trial.

Quick Test Professional Essentials (QTP-E)

WHAT'S INCLUDED?

Sold with a limited number of supported add-ins and with integration only with QC Starter Edition.

USAGE RESTRICTIONS

Geographic restrictions apply according to the license purchased.

CONSUMPTION OPTIONS

No longer available for purchase.

TRIAL LICENSE

No longer available for trial.

Functional Testing (FT)

WHAT'S INCLUDED?

Each license includes all add-ins and supported technologies for GUI testing only.

USAGE RESTRICTIONS

Geographic restrictions apply according to the license purchased.

CONSUMPTION OPTIONS

No longer available for purchase.

TRIAL LICENSE

No longer available for trial.

QTP/FT Upgrade FAQs

Upgrading to the latest release of UFT software keeps your team(s) current on the latest functional testing features, capabilities, and technologies. These help facilitate GUI, API, business components, and end-to-end testing using a single solution.

FAQ	Answer
Do I have to upgrade from QTP, ST, or FT to UFT?	Customers with active support contacts can continue to use their existing licenses and receive the latest version of the product for the plug-ins that they already own. However , customers who want to test across technologies, perform API testing, and take advantage of UFT Pro (LeanFT) offering, embedded BTP, and other latest enhancements, should consider upgrading.
Can I migrate my current installation to the latest UFT free of charge, without paying for an upgrade?	Once a user migrates to the latest UFT software (begins using UFT IDE with their existing licenses), they automatically get a number of core UFT features, including: Insight, HTML reports, integrations to Source Controls and tools such as Application Lifecycle Management (ALM), Service Virtualization, Network Virtualization, and much more. However , we encourage customers to purchase an upgrade to a full version of UFT to help facilitate GUI, API, business component, and end-to-end testing using a single solution, as well as using UFT Pro (LeanFT) when and where needed.
Why should I migrate to the latest UFT version?	The value of UFT solution is always on the rise; therefore, it is highly recommended that you stay tuned to our Future of Testing blog on this subject. Here is the blog with the value added in the latest service pack release.
I have only a few add-ins for QTP. Can I purchase additional add-ons for UFT?	UFT licenses include all supported add-ons and technologies. You will need to buy a full UFT license.
Can I buy more licenses of ST?	You will need to buy UFT licenses to increase the number of user performing API/Service testing.

Table 5. Questions for upgrading across product lines

Example: Migrating from QTP to UFT Enterprise vs. Full Upgrade to UFT Enterprise

Migrate licenses to UFT Enterprise without full upgrade

Purchase full upgrade to UFT Enterprise



Smith Consulting owns QTP licenses with Web and PowerBuilder Add-ins

Available features and technologies **after migration**

Available features and technologies **after upgrading**

Data Sheet

Compare Functional Testing Software Products and Editions

Available	Not Available	Available
<ul style="list-style-type: none">• Intuitive UI• Multi-layer Testing• ALM/QC• Mobile Center**• Network Virtualization• Service Virtualization• Chrome Emulator• Continuous Integration tools (Jenkins, Bamboo, TFS)• Insight Recording• Mac support• Source and Version Control (Git, SVN)	<ul style="list-style-type: none">• API/Web Services Testing• Other technology add-ins• BPT inside UFT*• Sprinter• UFT Pro (LeanFT)	<ul style="list-style-type: none">• Intuitive UI• Multi-layer Testing• API/Web Services Testing• All other add-ins (20+ supported technologies)• ALM/QC• BPT inside UFT*• Mobile Center**• Network Virtualization• Service Virtualization• UFT Pro (LeanFT)• Chrome Emulator• Continuous Integration tools (Jenkins, Bamboo, TFS)• Insight Recording• Mac support• Source and Version Control (Git, SVN)

Table 6: Available features between migration and full upgrade options

*Requires a valid ALM/QC license

**Requires a valid Mobile Center license

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