



Compare HPE Functional Testing software products and editions

The definitive guide to understanding HPE test automation offerings



Hewlett Packard Enterprise 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 (HPE Quick Test Professional [QTP], HPE Quick Test Professional Essentials [QTP-E], HPE Functional Testing [FT], and HPE Service Test [ST]) and the latest solutions: HPE Unified Functional Testing [UFT] and HPE UFT Pro [formerly LeanFT].

We recommend upgrading to the latest release of HPE 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 HPE Functional Testing Center products and editions discussed in this data sheet (ordered from latest to legacy offerings).

Table 1: HPE Functional Testing Center products and suites

Products	Product status
HPE Unified Functional Testing Ultimate	New edition in version 14.00
HPE Unified Functional Testing Enterprise (formerly HP UFT)	New edition in version 14.00
HPE Unified Functional Testing Pro (formerly HP LeanFT)	New edition in version 14.00
HPE Functional Testing (FT)	Legacy product
HPE Quick Test Professional (QTP)	Legacy product
HPE Quick Test Professional Essential (QTP-E)	Legacy product
HPE Service Test (ST)	Legacy product

HPE 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 HPE Mobile Center integration

- API and Web Service testing
- Manual-to-automated test execution with HPE Sprinter
- Embedded HPE Business Process Testing (BPT)

New Editions in HPE UFT 14.00

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

Table 2: Comparison matrix of new UFT 14.00 suite

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

HPE UFT Ultimate

- New edition to HPE 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 HPE BPT, HPE Sprinter, and HPE Mobile Center (for functional testing purposes only)

- Offers same add-ins and supported technologies as UFT Ultimate
- Available as Seat and Concurrent
- Includes HPE Sprinter (for Concurrent licenses only)

HPE UFT Enterprise

- Equivalent to the HP UFT license sold prior to version 14.00

HPE UFT Pro

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

Table 3: Comparison matrix of HPE UFT 14.00 bundled products

Edition	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

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

Note

Customers with existing HPE 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](#).

Legacy products at a glance

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

- HPE 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)
- HPE Quick Test Professional Essentials (QTP-E)**—Same as HPE QTP, but with limited add-ins and integration to HPE 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
- HPE Functional Testing (FT)**—Combined HPE Quick Test Professional and all HPE Quick Test Professional add-ins into a single, integrated software testing offering
- HPE Service Test (ST)**—Standalone solution for API and Web Services testing

Product comparison

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

HPE QTP vs. HPE QTP Essentials (QTP-E)

- HPE QTP Essentials is a reduced version of HPE QTP with a lower cost than the standard version
- HPE QTP-E has the same patches and technology limitations as HPE QTP standard version
- Main differences between HPE QTP and HPE QTP Essentials is that the latter:
 - Offers only five supported technologies
 - Integrates with only one, limited version of HPE Quality Center—HPE QC Starter Edition—that is no longer supported

HPE QTP vs. HPE Service Test (ST)

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

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

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 HPE QTP, but with limited add-ins and integration to HPE QC Starter Edition only test	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.)
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
HPE Service Virtualization	Supported	Not supported	Supported	Not supported
HPE Network Virtualization	Supported	Not supported	Supported. Integrate with Network Virtualization to run UFT GUI tests under various network emulations and conditions	Not supported
HPE 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

License comparison

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

HPE 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:

- HPE UFT Ultimate
- HPE UFT Enterprise
- HPE UFT Pro

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.

HPE 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.



HPE 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.

HPE 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.

HPE QTP/FT Upgrade FAQs

Upgrading to the latest release of HPE 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.

Table 5: Questions for upgrading across product lines

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 HPE 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 HPE 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 HPE QTP. Can I purchase additional add-ons for HPE 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 HPE ST?	You will need to buy UFT licenses to increase the number of user performing API/Service testing.

Example: Migrating from HPE QTP to HPE UFT Enterprise vs. full upgrade to UFT Enterprise

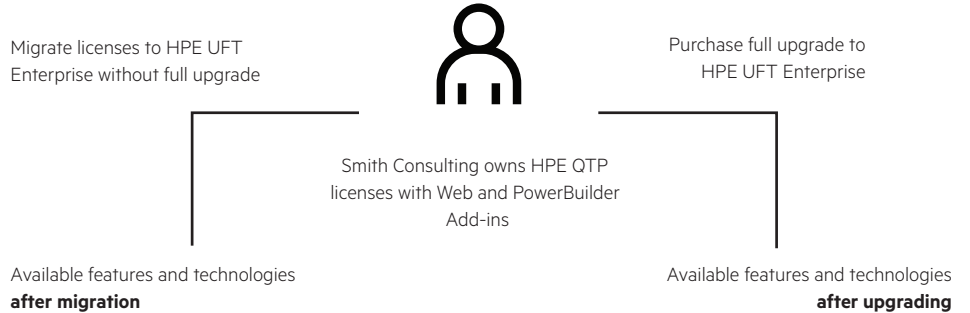


Table 6: Available features between migration and full upgrade options

Available	Not available	Available
<ul style="list-style-type: none"> • Intuitive UI • Multi-layer Testing • HPE ALM/QC • HPE Mobile Center ** • HPE Network Virtualization • HPE 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 • HPE BPT inside UFT * • HPE Sprinter • HPE 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) • HPE ALM/QC • HPE BPT inside UFT * • HPE Mobile Center ** • HPE Network Virtualization • HPE Service Virtualization • HPE UFT Pro (LeanFT) • Chrome Emulator • Continuous Integration tools (Jenkins, Bamboo, TFS) • Insight Recording • Mac support • Source and Version Control (Git, SVN)

* Requires a valid ALM/QC license

** Requires a valid Mobile Center license

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