

LeanFT

Built specifically for continuous testing and continuous integration

Product Highlights

Micro Focus® LeanFT is a powerful yet lightweight functional testing software solution built specifically for continuous testing and continuous integration. By supporting the most common AUT technologies, integrating with standard IDEs on multiple platforms, and leveraging Unified Functional Testing (UFT) capabilities, LeanFT brings a new level of productivity and collaboration to Agile and DevOps testing teams.

Key Benefits

Improve Efficiency and Facilitate Collaboration

LeanFT is designed to increase the efficiency of individual testers and teams as well as the level of coordination and cooperation between teams. For example:

- LeanFT fully integrates with and provides plug-ins for standard IDEs, so dev and QA teams can collaborate work across different environments. Tests are authored using popular languages such as Java and C#, and can be authored in the context of any framework. LeanFT plug-ins extend the IDEs with project templates for standard unit- testing frameworks (JUnit, MSTest, NUnit and TestNG) and includes templates for Selenium-based projects. LeanFT tools such as the Object Identification Center and Application Model enable modeling of the AUT and its objects, and parallel execution feature speeds up test execution.
- LeanFT provides full multiplatform support so developers can create

and execute tests under their familiar environments including Windows, Linux and Mac as well as leverage powerful Java and JavaScript SDKs.

- LeanFT provides a solution for automating web applications with Selenium, where developers can leverage IDE templates for Selenium-based projects, an extended Selenium Java SDK as well as Selenium-specific Object Identification Center to create robust tests easily and efficiently.
- LeanFT supports the most common AUT technologies, including Windows Standard, Web, .NET (WinForms and WPF), SAPGUI and SAPUI5, Mobile, Java, terminal emulator and image-based recognition.
- LeanFT adopts many Unified Functional Testing (UFT) concepts, tools, and technologies. For example, LeanFT incorporates the UFT concepts of test objects and descriptions, and uses the object identification mechanisms and UFT object repositories that can be migrated to LeanFT. This means UFT knowledge and assets can be leveraged when using LeanFT, so teams are able to ramp up quickly and easily.
- LeanFT provides comprehensive, detailed execution reports so you can quickly analyze test results. LeanFT provides a lightweight HTML report that details the test execution flow and tracks failures at each step.
- Shift left with realistic simulations of service behavior while saving time and effort with LeanFT's embedded back-end service virtualization.

Advantages

- **Developer-friendly:** perfect for developers/ testers, test automation engineers, continuous testing, Agile, and DevOps teams
- Supports "shift left" initiatives aimed at incorporating testing into the development cycle earlier
- Simplifies the process of building robust, stable tests that deal well with changes in the application under test (AUT)
- Encourages dev-QA collaboration through a standard, multi-platform, modern development environment that is supported in the development and QA ecosystems
- Supports the most common AUT technologies and popular development languages
- Adopts UFT concepts, tools, and technologies for highly adaptable software testing that easily accommodates changes to the application

- LeanFT provides a powerful SDK for .NET, Java and JavaScript with a comprehensive, user-friendly API unique for each object type. With the SDK, it provides out-of-the-box, cross-browser compatibility for leading browsers as well as automation for all supported technologies.
- LeanFT provides simple integration with CI tools like Jenkins or other CI systems.

Key Features

Project Templates

Users can leverage project templates provided with LeanFT plug-ins, including JUnit, TestNG, NUnit, and MSTest.

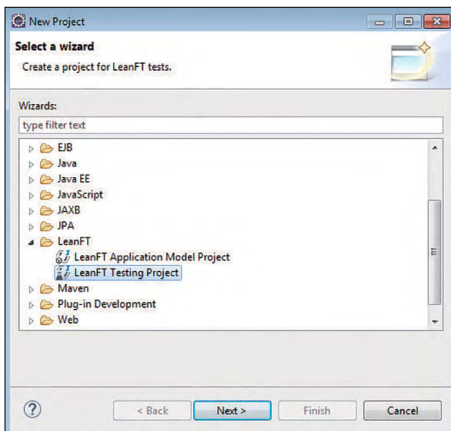


Figure 1. Project templates

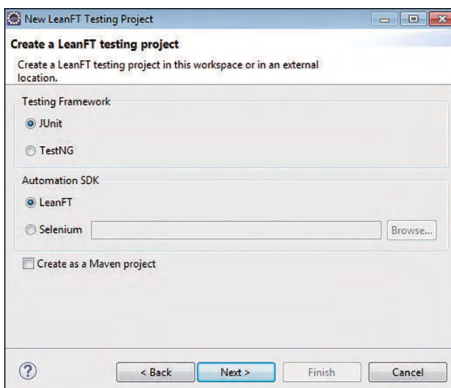


Figure 2. Project creation

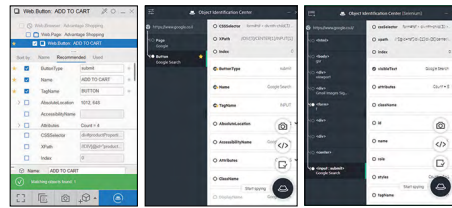


Figure 3. Object Identification Center (OIC)

Object Identification Center

The Object Identification Center lets users spy on the objects in the application, experiment with different ways to identify those objects, generate code to use in the test scripts, or add objects to application models.

Application Model

Application Model enables users to maintain their test objects in a single location for use across their entire testing suite, and helps them write their code faster without the need to write manual programmatic descriptions for each object.

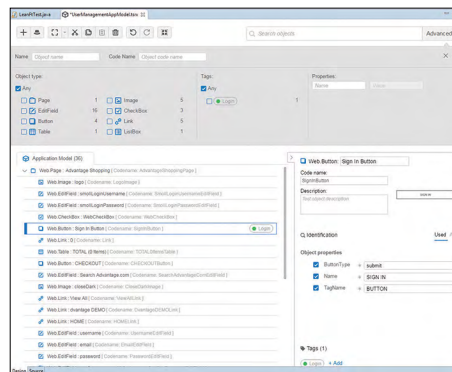


Figure 4. Application model

SDK for .NET/Java/JavaScript

Users can leverage the provided SDKs to automate application scenarios. Our supported technologies include Web, Java, Mobile, Standard Windows, .NET Windows Forms, .NET WPF, SAPGUI, and SAPUI5.

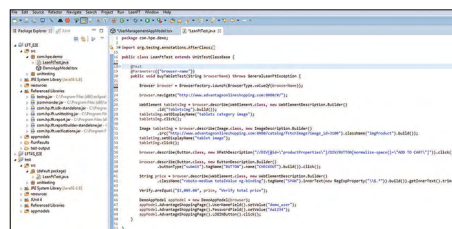





Figure 5. SDK

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Run Report

Upon test execution from a project template, a report is automatically generated which includes summary information about the run as well as detailed information about the captured steps.

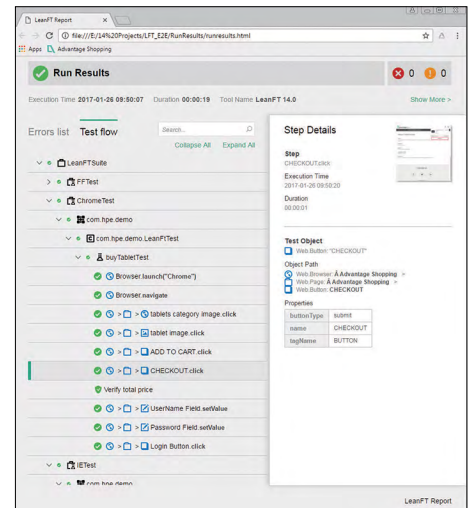


Figure 6. Run report

Learn more at
www.microfocus.com/leanft