

ValueEdge™ Functional Test

ValueEdge™ Functional Test is a one-stop shop for all your functional testing needs that enables anyone to easily test anything on any platform from anywhere. With actionable AI-based insights and built-in collaboration, you'll increase confidence in your application's quality.

Too often organizations are bogged down when testing critical apps and software due to tedious test maintenance, wasted time, lack of technical test automation skills, and infrastructure overhead. The ValueEdge Functional Test module delivers solutions for all these challenges.

Complementary to UFT solutions, ValueEdge Functional Test is a comprehensive, AI-powered cloud-based solution for functional testing, offering business-centric model-based testing, codeless test authoring, and a testing lab for execution on any host, mobile device or browser.

AI Object Detection

AI object detection is fundamental to ValueEdge Functional Test. It enables you to create resilient automated testing scripts, and saves time for testers. Through the power of artificial intelligence, it identifies objects on a screen, such as icons, text, and other elements, in the same way that humans do, without any knowledge of the application's

implementation. Because it doesn't rely on the underlying technology of the application, it is resilient to innocuous changes that don't affect the test's flow, but which can cause traditional test automation to fail and require constant test maintenance. With AI Object Detection, these changes are less likely to cause the test to fail and allow the test to continue to run. This capability supports web and mobile applications, and the same test script can be run on multiple platforms, such as Android and iOS apps, and desktop and mobile web browsers.

Codeless Design

Create true, codeless test automation scripts using ValueEdge Functional Test Design. You don't need a technical background, so your non-technical team members and colleagues can be part of test automation activities, by using simple English to interact with the objects on the screen and define the test's flow. As well as automating the steps in the test, you can add checkpoints and verification steps to ensure that the application responds as expected.

Quick View

- **Codeless Design**—Create codeless test automation scripts with the power of AI-based object detection, to save time and increase resilience.
- **Model-Based Testing**—Optimize test coverage with a shift-right tool that fosters collaboration, extends test automation to non-technical team members, and helps align testing with business requirements.
- **Execution**—Schedule and run tests and test suites on the cloud, view test progression and get detailed test results and insight into trends.
- **Digital Lab**—Gain remote access to mobile devices and browsers from anywhere, for manual and automated development, debugging and execution of mobile and web tests.
- **AI Object Detection**—Run your tests faster and more accurately with the cloud-based AI engine, and the continuously evolving, zero-maintenance data model.



Figure 1. ValueEdge Design Dashboard

Once you've written your test's script, you can run it as many times as you want, whenever you want, with the Execution module.

Model-Based Testing

Bring together business analysts and QA professionals to align functional test automation with business requirements. A visual representation of your application shows how each test flows through the application, and highlights the application's test coverage at a glance. With many potential business processes within your application, you need to ensure that your most critical flows are being tested. Model Based Testing's smart strategies let you generate different combinations of business processes to test based on your needs, allowing you to optimize your testing and ensure that you're testing the right application paths.

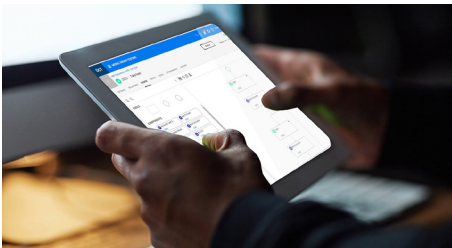


Figure 2. Model-Based Testing dashboard

Collaboration across the different roles in your team together with intelligent path strategies ensures higher quality in your applications while simultaneously reducing costs by increasing test coverage and reducing duplication of testing assets.

Test Execution

Leverage a cloud-based test execution solution, using ValueEdge Functional Test. You can schedule and run tests on Open Text SaaS-hosted machines, which are made available for you as-and-when you need them. You can run the codeless tests that you create using Test Design, the tests that you generate with Model Based Testing, UFT One web and mobile tests all within ValueEdge Functional Test.

Digital Lab—Mobile and Browser Testing from Anywhere

Mobile Testing

Centralize all of your mobile devices in one location, with Digital Lab. Anyone can access

it anywhere in the world, for manual and automated test development, debugging, and execution. Your organization has the option to execute mobile testing on the cloud safely: 1) test on private devices 2) draw from public devices, or 3) a hybrid option of using off-cloud mobile devices hosted on a server. This capability allows you to host devices in secure environments across continents.

Browser Testing

On-demand access to desktop browsers as a service, through Digital Lab, allows you to test your applications through the different browsers and browser versions that your application has to support. Simply choose the browsers you want to test, and you can execute tests across all of the environments that you need.

Bring It All Together

When combined with other ValueEdge modules, your organization can build a software factory that scales. Simply use the modules that fit your needs and leverage a value-driven ecosystem with better cost savings.

- [ValueEdge Agile](#) helps Agile and DevOps teams manage work, defects, backlog, pipelines, and sprints to deliver continuous value.
- [ValueEdge Quality](#) scales continuous quality in the cloud with analytics-focused visibility.

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[OpenText CEO Mark Barrenechea's blog](#)

- [ValueEdge Insights](#) helps you improve flow and reduce waste with built-in AI that reaches across the entire software delivery lifecycle and shows you where to act.
- [ValueEdge Strategy](#) connects business strategy with Agile delivery to drive real-world outcomes.

Learn more at
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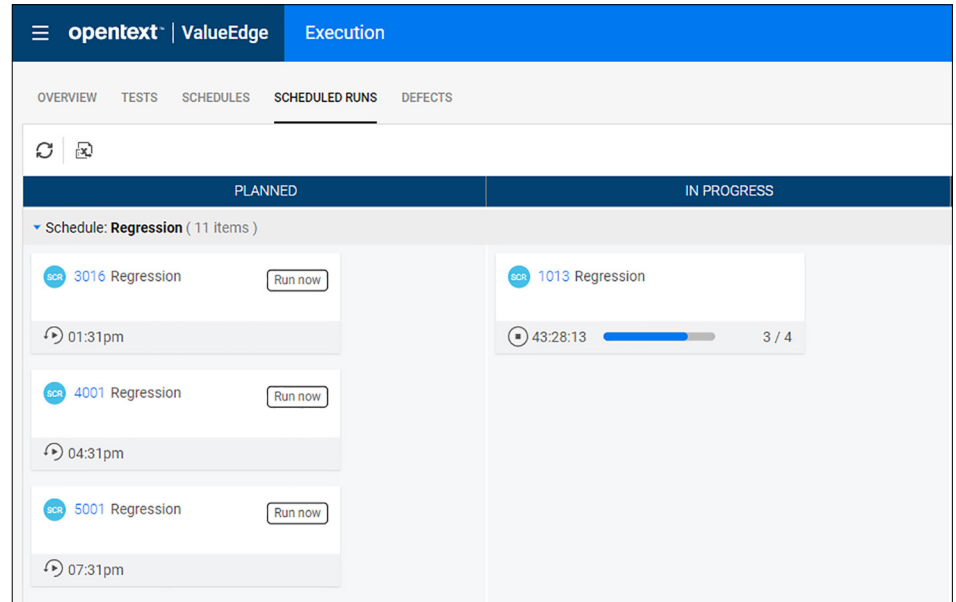


Figure 3. ValueEdge execution dashboard