



Orasi API2Go

Business applications today are becoming increasingly complex. Consumers demand access across a wide variety of platforms, and businesses must develop in a more agile environment to keep up with changing market needs. This has led many companies to develop or integrate components such as web services to provide needed functionality with greater agility and ease of reuse. But while web services can greatly improve development times, the increased number of integration points and interoperability requirements can introduce new challenges and slow testing efforts.

Orasi's API2Go is a web services test accelerator designed to work with Micro Focus Unified Functional Testing (UFT). It provides companies with a standardized, stable, integrated web services testing framework that allows more comprehensive testing in less time. API2Go also eases the migration from Micro Focus UFT GUI testing to web services testing, and provides tests that are reusable within the regression testing suite for even greater ROI.

Why Web Services (API) Automation

Many complex applications use multiple web services to speed develop and leverage reusable components. And while those components provide critical functionality, testing them appropriately introduces new challenges. Tight budgets and limited testing resources mean that most organizations need more test coverage in less time. Add to that shorter release cycles, continuous integration and service virtualization, and the challenges increase. There are a myriad of different technologies, including composite, web, cloud-based and mobile apps, as well as SOAP/REST and XML/JSON.

Organizations must test not only the web services themselves, but also the integration points and interoperability of those components with each other and the primary application. Automating web services testing and testing at the API level allows organizations to isolate the API layer, test integration points, verify the business process, and report on the quality of the entire end-to-end business process. And because web services testing doesn't rely on a completed GUI, this allows organizations to test earlier, test faster, and test more than ever before.

Micro Focus Unified Functional Testing (UFT)

Micro Focus UFT Open Test Architecture (OTA) is built specifically for advanced/accelerated web services test automation. The OTA performs testing outside the GUI, allowing for business logic testing irrespective of the state of GUI development. Built-in support for Xpath expressions, SOAP Fault testing, REST Services and JMS testing simplifies web services test development. And because Micro Focus Service Test is integrated with the Micro Focus ALM suite, test scripts also can be used for performance testing in Micro Focus LoadRunner, providing greater ROI with reusability.

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While Micro Focus UFT provides the automation necessary to effectively test web services, API2Go builds upon those capabilities to create requests and validate responses more completely and faster than with Micro Focus UFT alone. API2Go accelerates the web services testing process and makes QA efforts more effective from the beginning. API2Go drives more data and data combinations, validates services responses, and performs data and structural validation. API2Go allows organizations to perform more comprehensive testing, as well as testing business-driven scenarios. It can also expand the scope of the data iterations and be leveraged to populate needed data for UI tests. It reduces the time of execution, and provides request and response messages in a file for further analysis.

With API2Go, Micro Focus UFT script development times are reduced by an average of 50%, while maintenance is decreased by an average of 62.5%. API2Go also reduces production release risk, reducing test execution time by 70% over UI automation. And API2Go validates 100% of response fields. The result is more complete testing in less time, even for complex applications.

