Introducing Quantum Framework

New open source framework enabling testers of all skills to build a robust test framework

In the world of ensuring quality for digital (mobile, web) applications, we recognize the challenges of:

- Building a robust, sustainable continuous quality solution that enables product innovation and acceleration of time to market (agile).
- Enabling testers with varying skill sets to be productive in building the required testing components.
- Providing visibility to decision makers regarding the quality of the application on an ongoing basis.

The fundamentals of a test automation framework need to enable the testers to

- Build sustainable automation scripts.
- Accelerate execution cycles via optimized planning of script executions across resources (devices, browsers) in a scalable manner.
- Leverage a reliable CQ Lab in the cloud that provides coverage to the latest application features.
- Distribute visibility of the app quality to decision makers and developers through a robust top-to-bottom reporting solution.

Perfecto and Infostretch are proud to present Quantum, a new open source framework (based on QAF), enabling testers to achieve these goals.

Read here for a basic procedure to get Quantum up and running on the community samples provided. We invite interested parties to visit the Quantum framework, provide input and contribute code.

Quantum enables:

- **Easy environment setup** - lab access, user authentication, and driver management.
- **Test creation** - BDD for easy-to-use English phrased steps and application objects, and for Java-skilled users, a more simple to use environment.
- **Result analysis** - Perfecto Reporting incorporated into the test for analysis of test execution, with no intervention required by the test writer.
- **Data Driven mechanism** - Support in commonly used data formats, like XML and CSV.
- **Device management** - Supports smart wait for devices, including queuing and retry mechanisms.
- **Perfecto pre-defined BDD steps** - Including all Perfecto Mobile actions as Java and Cucumber utilities.

Watch the video below to get started with Quantum, and create your first test.