

## **Evolution of Test Automation**

Professional testers will not be surprised if you name the Keyword-driven testing method. Meanwhile, keyword-driven testing is a common property and is used by organizations to prevent the disadvantages of record / playback test automation. As applications may need thousands of automation keywords, keyword-driven testing also brings disadvantages in maintenance and complexity. So there are still development opportunities. Where are we now in the evolution of test automation?

Evolution doesn't stop with keyword-driven testing. State driven testing is the next step in the evolution of test automation. Over one and a half years Jan de Coster, testing guru at Micro Focus, is developing this method. Besides internal research, state-driven testing is now used by three organizations. What characterizes this method? State driven testing categorize keywords based on the situation. In many situations the next step is logical and the model anticipate on that. It knows what other keywords follow logically. This method results in less keywords, significant time savings in the construction and maintenance. In this session, Jan de Coster shows how state-driven testing avoids the difficulties of keyword-driven testing through an application state-transition model.

### **About Jan de Coster**

Jan de Coster is a testing guru with over 15 years of IT experience. He currently holds the position of Subject Matter Expert in Quality Solutions at Micro Focus. In this role, Jan provides domain expertise and thought leadership around Software Quality Assurance for Micro Focus' education organization as well as delivering consultancy and project services into the field throughout Europe.

Jan started his career in software development and project management. However, it soon became clear that he had a passion for the qualitative aspect of software delivery and for the last 11 years he has specialized in integrating processes and tooling to help organizations increase quality in their software. More recently, Jan has been more closely exploring quality in relation to Agile Test Management and Agile Test Automation – areas, he feels, of significant importance to the future success of software delivery.