

SQS-TEST®/Professional 9.0 Test execution

Test Process Automation

- Testing Services
- Quality Services
- Independent Verification and Validation
- Global Delivery
- Consultancy
- Management Consulting for Business
- Training
- Products



Generating rather than programming

Even simple software systems need considerable effort to be expended when tests are performed on them. New software versions, even individual base-lines have to provide proof of their functional capability time and again. Are you considering using an automation solution, or do you already use such a system? Boost the efficiency of your automation system with the intelligent concepts of SQS-TEST®/Professional. Generate your automation—instead of implementing scripts by hand.

More than just test automation

It is an easy step to take from the manual execution of tests specified in human-readable form to automation, and does not require major effort: you begin the transition to automation as soon as your application has reached a stable maturity. Thanks to our action-word concept, only a small number of steps are needed after that.

While conventional automation solutions require a large amount of effort to record or maintain the automation scripts—for each test run and each test record—our action-word concept defines a level between sector-specific expertise and technology which makes easy, low-resource maintenance possible.

SQS-TEST®/Professional also stretches the boundaries of your automation system to cover the entire testing process. This includes management of the test environment, loading and unloading databases and the tool-based evaluation of test results.

Speeding up regression tests

New software versions often imply changes in the data model and the user interface of the application being tested. This means that all test scripts have to be implemented again in the common capture/replay tools.

This effort expended on upkeep is reduced dramatically by the use of action words. Under this test process automation concept from **SQS-TEST®/Professional** it is enough to adapt the relevant templates. Using this technology, interfaces are adapted within a very short space of time so that the tests can immediately be executed again, entirely automated. As a result the best possible reuse is made of the results of your work and the test logs remain comparable with each other.



Control
Administration
Evaluation

Automation with . . .

- HP Mercury
- SAP
- Compuware
- Automated QA
- Testing Technologies
- Database systems
- J2EE architectures
- In-house developments
- . . .

Figure: Test process automation with SQS-TEST®/Professional

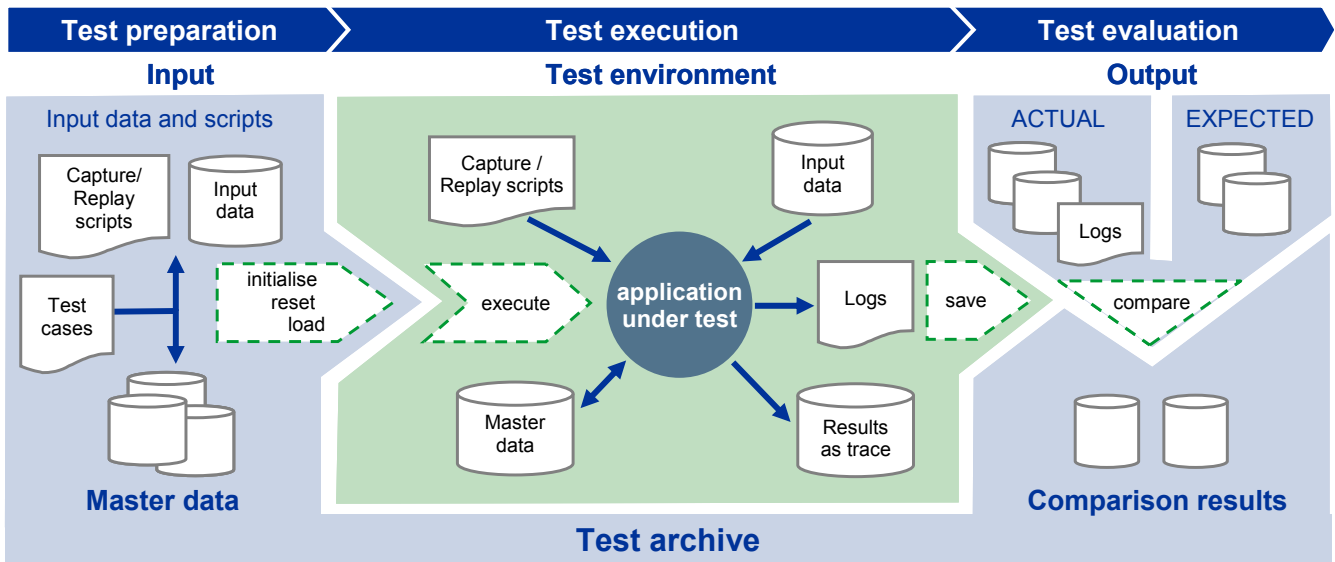


Figure: Test environment management instead of just test automation

Reaching beyond boundaries

In times of complex, service-oriented system architectures, the functionality of software is distributed beyond all sorts of system boundaries. This state of affairs also has to be taken into account by the test system. It is essential therefore that a test process automation system gives you the opportunity to validate the relevant business processes of the supplied software without consideration for technical boundaries. To allow this, one of the things that **SQS-TEST®/Professional Test Process Automation** does is to make the manual initiation of mutually dependent subprocesses in the various systems unnecessary. You start executing your test on Friday, and on Monday you have the results on your desk.

Test Process Automation from **SQS-TEST®/Professional** does more than just support your test processes. Administration of the test environment, including the provision of test data and comparing and evaluating targeted and actual results, is also carried out without the need for manual job steps.

The central test management feature of **SQS-TEST®/Professional** enables you to document the test results seamlessly and consistently. The results of all test runs are retained, and you can furnish the requisite proof of the success of the test.

Your advantages at a glance

SQS-TEST®/Professional Test Process Automation enables you to reuse the test specification for manual execution in the best possible way so that you can start automated regression testing quickly and easily. In that way you save costs and resources that you would otherwise expend on these recurring tasks, and your quality assurance team is better able to concentrate on testing newly developed functions.

Carry on using your established automation scripts, and manage and control your test process centrally, across the boundaries of heterogeneous system landscapes.

Contact

Do you have any other questions, or do you need more information? We look forward to hearing from you, by phone or e-mail:

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