

Title of Paper

Testing of Migrations: Theory and Practical Experience

Presenter

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Instructional Level

Introductory Intermediate Advanced

Target Group

Test managers and leads that will have to manage the testing of a software migration project

Keywords

- Migrations Testing
 - Risk analysis
 - Regression testing
 - Practical experiences gathered
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Abstract

Migrations of software are constantly very hot subjects in IT. Organisations consider a migration just as a technical trick to be executed with conversion tools. But in many cases complete platform migrations have severe problems arriving at a good stable new situation in time. Testing is very much necessary to find defects and to show compliancy with the organisation needs.

The question to be answered in this presentation: how much testing is enough?

To find out 6 big migration projects have been examined from the testers point of view. The results will be presented in the following order:

Typical experiences: Mostly testing was underestimated in sourcing and project time. The converted systems contained many bugs. The responsibility for the quality of the system is difficult to position: it is only a technical conversion, why user acceptance testing?

From the "better" projects lessons learned are derived for the best test process including test strategy and used test techniques.

Finally it appeared that the time necessary for testing followed some rules that can be used to estimate future test projects.

Biography

Rob Baarda works in the field of testing since 1986 where he started developing test automation. Later Rob changed to the methodology of testing. He is now working on test and quality subjects (like migration testing and six sigma) in the Business Development department of Sogeti Nederland B.V., working as an (inter)national test consultant and teaching TMap® & TPI in several European countries. Recently he was project leader for the development of the TMap Next, a leading test me-

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