

Automated Functional Testing with tSQLt

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Abstract

To serve customers with high quality products Siskon uses an automated functional testing approach that employs tSQLt. In this approach, first test objectives are determined based on functional requirements of software under test. For each test objective, input and output variables are identified with their equivalence classes. Using properties of those variables, such as being independent, test case generation technique is selected. Test cases are prepared either manually or semi-automatically depending on the selected testing technique and stored in a MS Project file using a template developed in Siskon. Test cases are then converted to executable test scripts, namely tSQLt scripts, using a specific MS Project macro. The approach will be presented with an example.