

Automated Functional Testing with tSQLt in VSTS

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Abstract

To serve customers with high quality products Siskon uses an automated functional testing approach that employs tSQLt in Visual Studio Team Services (VSTS). In this approach, first test objectives are determined based on functional requirements of software under test. Test cases are prepared manually following on the selected testing technique and stored in a MS Project file using a template developed in Siskon. Test cases can be written for both regression and component testing. These tests are performed after implementing a change request or a bug fix on the system. MS Project files are stored in a test repository and converted into tSQLt-t scripts. These tests are deployed to related environments via VSTS. After automatic execution, reporting is also performed on VSTS using both dashboard and detailed view.