

Title of Paper

Testing Web Services with TTCN-3

Presenter

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Instructional Level

Introductory Intermediate Advanced

Target Group

Test practitioners and engineers, researchers, software and test managers, QA managers, TTCN-3 competence holders and TTCN-3 users

Keywords

- TTCN-3
 - Test Automation
 - SOA Testing
 - Integrated Tool chains
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Abstract

TTCN-3 is the standardized test specification and implementation language that is attracting more and more users. It is widely deployed in the telecommunication area, as standard bodies and industry

are picking up the language and are experiencing the efficiency increase by applying TTCN-3.

While TTCN-3 is widely accepted in telecom industries its application in software testing is still developing.

With the wide introduction of web-services in the software development process, software industry is picking-up the idea of a standardized access to different services located at different places. In such a context testing is crucial to the acceptance and deployment of a web-service as the services is provided to different service users within or outside a company.

The presentation will discuss the introduction of web-service testing in a well-established TTCN-3

environment in a non-telecommunication context, it will present the different approaches to integrate WSDL description and discuss the lessons learned.

Biography

Elio Luis Torres Valdivia is system tester and responsible for TTCN-3 at Siemens PTD EA. 2001 he got his first experiences with TTCN-3 at the Fraunhofer Research Institute FOKUS. Since 2006 work in the development of tests for electrical protection devices. He is Computer Scientist from Humboldt Universität zu Berlin with TTCN-3 as Theme for his work degree.

Theofanis Vassiliou-Gioles is co-founder and CEO of Testing Technologies since the company foundation in 2000, aiming to provide best-of-class tool support around, for and with TTCN-3. He began his professional career at the Fraunhofer Research Institute FOKUS. In more than six years, he became a senior expert in testing and was subsequently assigned as Deputy Chief of Competence Centre for Testing, Interoperability and Performance. In this period he worked in projects for several test device vendors and was involved in the standardization of conformance test suites for the ATM technology. During this period he gained experience with the implementation of TTCN based test systems.

Mr. Vassiliou-Gioles is involved in several standardization groups at ETSI, e.g. the TTCN-3 working group, and has published several papers on the application of TTCN-3 at various international conferences.

He holds a Master in Electrical Engineering from Technical University Berlin.

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