



TTworkbench 13

Revolutionary New Test Authoring Component for Generation of TTCN-3 Scripts out of Traces

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Testing Technologies Involved in IoT.est Project

Internet of Things Environment for Service Creation and Testing

With longtime expertise in test automation, Testing Technologies got involved in the European Seventh Framework Programme IoT.est project. The aim is to develop a test-driven service creation environment (SCE) for Internet of Things enabled business services allowing the acquisition of data and control/actuation of sensors, objects and actuators...



Cooperative Mobility Services Plugtests

Interoperability Testing for ITS Cooperative Mobility Services

Accompanied by a great atmosphere, Testing Technologies supported the event with a presentation of ETSI conformance tests as well as the execution of automatic trace analysis of interoperability tests...



ASTRID Case Study

TTworkbench as an Automated Test Platform for a Localization Service

Read why ASTRID ensures the verification and validation of offered services and different geo localization applications with the test automation platform TTworkbench...



DIAMONDS

Project Supported by Testing Technologies Wins Best Presentation Award at the ITEA & ARTEMIS Co-Summit

Winning the best presentation award at the ITEA & ARTEMIS Co-Summit the DIAMONDS project has successfully been continued. The aim is to develop a new, model-based approach to software testing that could form the basis of a new standard in formal security testing of software systems...



Quick Reference Card

Updated Quick Reference Card for TTCN-3 Edition 4.3.1

The TTCN-3 reference card presents TTCN-3 in a very compact form offering additional examples that have now been updated according to the latest TTCN-3 edition 4.3.1 and TTCN-3 language extensions...

Upcoming Events

www.testingtech.com

Call for Paper !!!

Just recently the Call for Presentations for the upcoming TTCN-3 User Conference hosted in Bangalore (India) has started. Take this unique opportunity to share your experience, your challenges and your solutions with the TTCN-3 community. Come to one of the areas in the world where TTCN-3 is used most intensively to benefit from exchanging with hundreds of TTCN-3 specialists. If you have any questions or if you need support in presenting your TTCN-3 project or solution, please don't hesitate to contact us at sales@testingtech.com.

ETSI TTCN-3 User Conference
June 11-14, 2012
Bangalore, INDIA

Please register at http://isqtinternational.com/T3UC_2012/ttcnPresentations.htm.

TTworkbench 13: Revolutionary New Test Authoring Component for the Generation of TTCN-3 Scripts out of Traces



October 2011, Berlin (Germany)

The release of the test automation platform TTworkbench 13 came with more than 20 brand new features including full support of the latest TTCN-3 edition 4.3.1 as well as usability and performance enhancements. Testing Technologies is particularly happy to announce one of the new features: the integration of a revolutionary new test authoring component for the generation of TTCN-3 test scripts out of traces - the Capture & Replay (C&R) Wizard.

Based on selected captured message communication the C&R Wizard creates a ready to use test suite automatically - without any programming skills required. Messages can be captured directly by the C&R Wizard or by any tool capable of creating PCAP files, for example by Wireshark. As the communication typically includes all messages exchanged between peers, users can interactively create test configurations and decide which peer shall be tested or simulated with the generated test suite. After generation, the test suite is ready to be run (played), allowing users to analyze real world situations by simulating selected peers.

If you are interested in receiving a demo of this exciting new TTworkbench capability please contact sales@testingtech.com or use our contact form at www.testingtech.com/contact/contact_form.php. Read more details at www.testingtech.com/support/releaseNotes/2011/2011_10_20_TTwb_13.php.

Testing Technologies Involved in IoT.est Project - Internet of Things Environment for Service Creation and Testing



October 2011, Berlin (Germany)

Their longtime expertise in test automation got Testing Technologies involved in the European Seventh Framework Programme IoT.est project. The aim is to develop a test-driven service creation environment (SCE) for Internet of Things enabled business services allowing the acquisition of data and control/actuation of sensors, objects and actuators. The project will provide the means and tools to define and instantiate IoT services that exploit data across domain boundaries and facilitate run-time monitoring enabling autonomous service adaptation to environment/context and network parameter changes.

Testing Technologies will develop a TTworkbench based test environment tailored at reliable service orchestration employing reusable test components and defined service interfaces for service component tests and tests of distributed services. For more details please visit <http://ict-iotest.eu/iotest>.

Interoperability Testing for ITS Cooperative Mobility Services



November 2011, Helmond (The Netherlands)

Testing Technologies is delighted with the process and the results of the Cooperative Mobility Services Plugtests where 14 vendors demonstrated the interoperability of their ETSI standards-based ITS implementations.

Accompanied by a great atmosphere, our team supported the event with a presentation of ETSI conformance tests as well as the execution of automatic trace analysis of interoperability tests. Testing Technologies has also been involved in the talk „A framework to support automation of ITS interoperability testing“. Jürgen Großmann, Ilja Radosch and Stephan Pietsch presented a C2X test bench that helps to automate IOP testing of ITS systems, and thus make such tests more effective. The C2X test bench is based on Testing Technologies' TTCN-3 platform TTworkbench and has been developed for functional and conformance testing in the frame of the FOT project simTD (www.simtd.de). The framework has been successfully used for IOP testing C2X systems in the simTD project over several months. Support of the C2X community in the future as well as backing of a prospective certification process has already been agreed to. Read more at www.ertico.com/1st-interop-event-follow-it-live/.



ASTRID Case Study: TTworkbench as an Automated Test Platform for a Localization Service



November 2011, Brussels (Belgium)

ASTRID - a company establishing, exploiting, maintaining, and expanding the national radio communication network for emergency and security services in Belgium - has recently introduced the service „radio position“ that enables users to track the positions of their radios via geo localization applications. To verify on a regular basis that offered services are still guaranteed, and also to validate the different geo localization applications before they would be connected to their localization server, ASTRID started looking for a vendor offering an automated test platform that would accomplish their testing needs. ASTRID knew that Testing Technologies had already implemented automatic test cases for interoperability testing in TETRA networks, and after seeing a demo of TTworkbench, they were taken with the tool for its unique features. „We are sure that the combination of TTworkbench and TTCN-3 contributed to make this project such a success“, says Els Heyvaert, Radio Networks Coverage and Performance Engineer at ASTRID. „A mature and powerful technology like TTCN-3 embedded in a sophisticated test automation tool like TTworkbench guarantees performance, durability and extensibility, affording ASTRID many opportunities in future projects.“

Read the complete case study at www.testingtech.com/references/case_study6. Read more about ASTRID at www.astrid.be/.

DIAMONDS Project Supported by Testing Technologies Wins Best Presentation Award at the ITEA & ARTEMIS Co-Summit



October 2011, Helsinki (Finland)

The ITEA2 DIAMONDS project originated one year ago has successfully been continued, recently winning the best presentation award at the ITEA & ARTEMIS Co-Summit. The project is developing a new, model-based approach to software testing that could form the basis of a new standard in formal security testing of software systems.

Based on the complementary, inter-disciplinary expertise and technologies of partners from Austria, Finland, France, Germany, Luxembourg, and Norway, DIAMONDS will leverage systematic, model-based testing and monitoring approaches for security testing to enable highly secure systems by early testing and test automation.

Testing Technologies belongs to one of the companies who have built competence through partnerships with industry and research in various dimensions like domain expertise, networked systems and services, security engineering, testing infrastructure, and model-based testing. With its strong test automation background Testing Technologies builds a bridge between the model-based world and the actual analysis of test results in security testing.

Read more about DIAMONDS at www.itea2-diamonds.org/index.html.



Updated Quick Reference Card for TTCN-3 Edition 4.3.1

September 2011, Berlin (Germany)

TTCN-3 users are not only supported by free ETSI standards and reports, books, tutorials, user conferences, but also by free material like the new TTCN-3 quick reference card. The first TTCN-3 quick reference card has been developed by Axel Rennoch and Claude Desroches with assistance of Theofanis Vassiliou-Gioles and Ina Schieferdecker. It presents TTCN-3 in a very compact form, offering additional examples that have now been updated according to the latest TTCN-3 edition 4.3.1 and TTCN-3 language extensions. The TTCN-3 reference card is well-known in the community as a fast overview and introduction to TTCN-3 with online access to the standards. It is being distributed at TTCN-3 user conferences since 2010 and is now available via the ETSI download page for TTCN-3 standards or directly from www.blukaktus.com/card.html.

