

Spirent TTsuite-oneM2M

Automated Conformance, Interoperability and System Testing

Benefits

- Open - tool, programming language, architecture
- Standardized TTCN-3 code and interfaces proven and accepted by authorized bodies
- Fully automated testing and analysis process
- Early issue detection during the whole development process saving time and costs
- Visual presentation of test case analysis results

This standardized developer and interoperability tool helps you to simplify and accelerate IoT adoption making it safe and secure through intelligent certification/security testing and active service assurance.

Features

- Conformance, interoperability & system testing
- Test execution, test analysis, and report generation
- Latest version of both release 1 and release 2 (Q4/2018) of the oneM2M standard
- Bindings (transport protocols)
 - CoAP (TS-0008)
 - HTTP (TS-0009)
 - MQTT (TS-0010)
 - WebSockets TS-0020 (Q4/2018)
- Serialization (as defined by TS-0004)
 - XML (eXtensible Markup Language)
 - JSON (JavaScript Object Notation)
 - CBOR (RFC 7049 Concise Binary Object Representation) (Q4/2018)

Extensible TTCN-3 Framework

- Modularity enables instantiation of customized AE and CSE nodes
- Reuse existing TTCN-3 code to design own test scenarios
- Integrate own test access
- Use existing test adaptation plugins to access sensors, actuators and other entities
- TTplugins easily extend capabilities without any implementation effort
 - Web services: WSDL, Protobuf
 - Connectivity: AMQP, Ethernet, IP, TCP, UDP, Telnet, RS232, SIP
 - Codecs: Protobuf, ASN.1 encodings, generating proprietary codecs automatically



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About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit: www.spirent.com

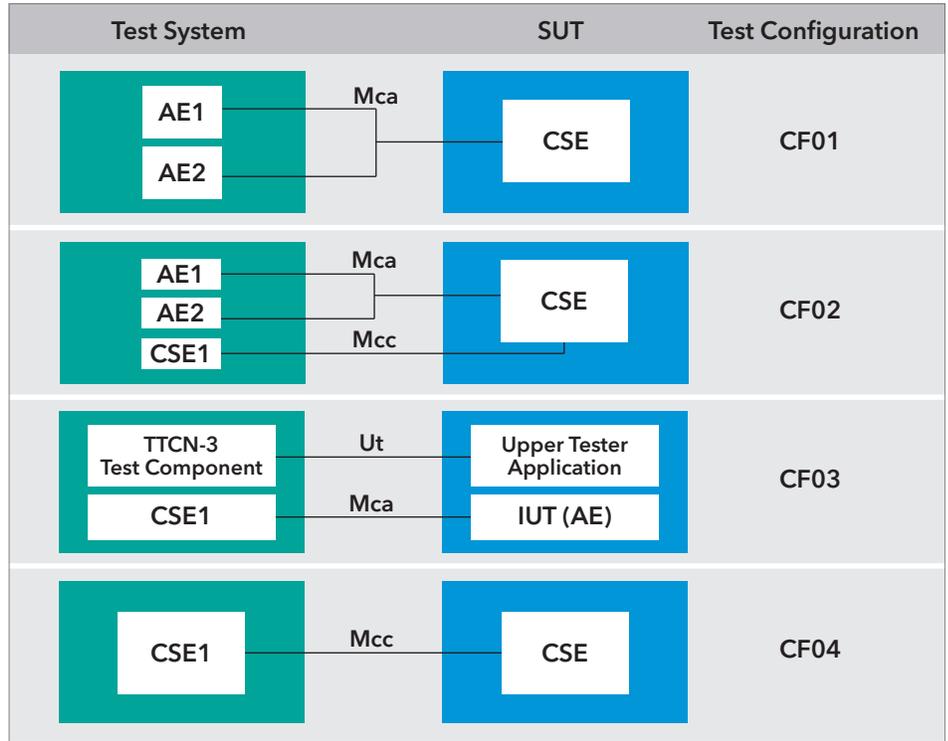
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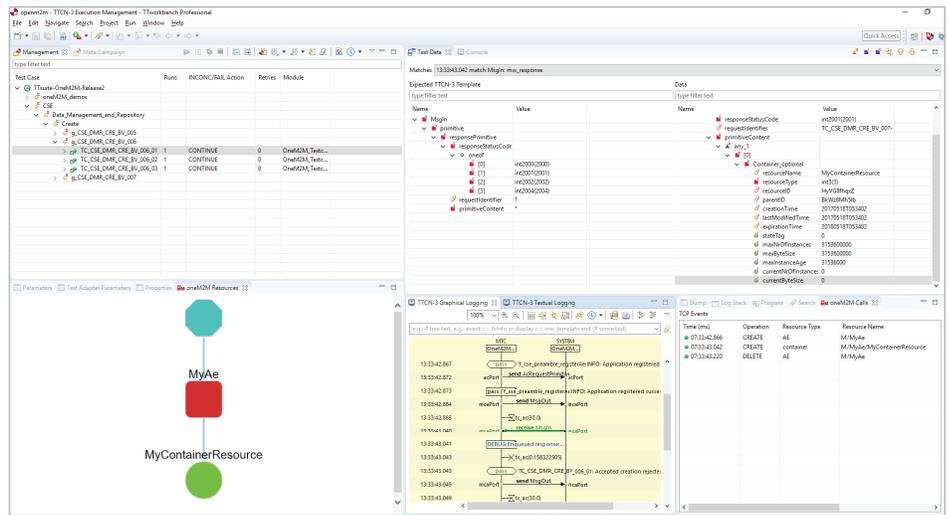
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oneM2M Test Configurations



Spirent TTworkbench



Ordering Information

Part Number	Description
TEC-SUITE-ONEM2M	ONEM2M IOT CONFORMANCE TEST SUITE
TEC-SVC-1015-TS-1Y	TTSUITE SUPPORT AND MAINTENANCE 1YR
TEC-TT-WP	TTWORKBENCH PROFESSIONAL
TEC-SVC-1015-WB-1Y	TTWORKBENCH SUPPORT AND MAINTENANCE 1YR

