

# Spirent TTworkbench 25

## 2017-11-30 Release Notes

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We are happy to announce the new release of TTworkbench 25, which is mainly a maintenance and bug fixing release. Check out our brand new JSON plugin and the new editor exclusively available for our ASN.1 plugin.

### What's new in detail?

#### TTCN-3 Core Language Editor (CL Editor)

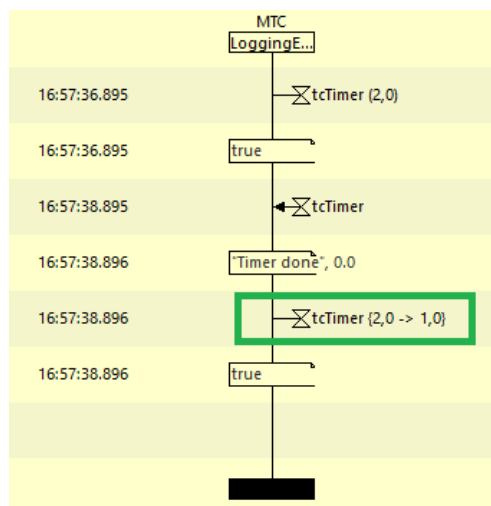
- HTML test case list can be generated from every TTCN-3 project

#### TTCN-3 Compiler (TTthree)

- Support of dynamic encoding parameters for encvalue/decvalue functions
- Improvements for type checking reducing unnecessary warnings

#### Test Execution (TTman)

- Dump Views/Data Displays support displaying data containing very long lines
- Graphical Logging View graphics can be customized via a label provider
- New search and filter possibility for available test cases in test campaign creation wizard
- New drop-down menu in the Test Adapter Configuration View for editing and selecting a codec's encoding
- Long timers ( $\geq 2s$ ) count down in the Graphical Logging View to help assessing when a timeout will occur





## TTplugin ASN.1 / ASN.1 Codec Factory

- New fully integrated ASN.1 editor supporting
  - Outline view
  - Syntax highlighting
  - Compare view
  - Content assist
  - Goto declaration
  - Bracket matching
  - Problem markers
- Supported for OSS library version 7.1

## TTplugin WSDL

- Support for larger strings up to 25 MB

## New! TTplugin JSON

The JavaScript Object Notation (JSON) is a lightweight data exchange format widely used nowadays, especially in JavaScript web applications to communicate with services.

JSON became popular as part of the JavaScript standard, as it is easy to read and write for humans and efficient to encode and decode for machines.

The TTplugin JSON allows serialization of the TTCN-3 values to JSON and vice-versa. It consists of a generic codec that handles all TTCN-3 types and maps them to JSON values. To use it, simply add the “JSON Codec” to the Test Adapter Configuration.

### Features & highlights

- Automatic encoding and decoding of TTCN-3 values
- Compatible with existing type systems: TTCN-3, ASN.1, XSD, Protobuf, etc.
- Automatic encoding and decoding of anytype values (JSON key is the qualified type name)
- Automatic mapping of JSON field names which are TTCN-3 keywords (e.g. JSON field “value” mapped to TTCN-3 field “value\_”)
- Support of RFC 7159, the JavaScript Object Notation (JSON) Data Interchange Format
- Optional indentation of JSON values during encoding
- No coding effort needed
- Freely combinable with additional test access like HTTP, CoAP, MQTT, WebSocket

Read more at [www.spirent.com/Datasheets/TTplugin-JSON.pdf](http://www.spirent.com/Datasheets/TTplugin-JSON.pdf).



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2017-12-?? Release Notes

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## Update of TTworkbench

To download TTworkbench 25, you need to register yourself in the Spirent Customer Service Center at <https://support.spirent.com>.

Please follow these detailed instructions on [How to download TTworkbench, TTsuites & TTplugins](#).

Do not forget to update your respective TTplugins. TTworkbench 25 compatible TTplugins are available in the Customer Service Center too.

It is Spirent's intention to provide our customers with the highest level of customer service. Please direct all questions and inquiries to our support team at [support@spirent.com](mailto:support@spirent.com) or call our customer care department at [+49 30 726 19 19 0](tel:+493072619190).

To ensure fast response times, please mention **TTworkbench** in your request.

Thank you for your continued interest!

### Notes

This document is subject to change without notice.

Spirent Communications  
Michaelkirchstraße 17/18  
10179 Berlin, Germany

Phone [+49 30 726 19 19 0](tel:+493072619190)  
Fax: [+49 30 726 19 19 20](tel:+4930726191920)

Email: [support@spirent.com](mailto:support@spirent.com)  
Internet: [www.spirent.com/ttworkbench](http://www.spirent.com/ttworkbench)

[spirent.com/ttworkbench](http://spirent.com/ttworkbench)

AMERICAS 1-800-SPIRENT  
[+1-818-676-2683](tel:+18186762683) | [sales@spirent.com](mailto:sales@spirent.com)

US Government & Defense  
[info@spirentfederal.com](mailto:info@spirentfederal.com) | [spirentfederal.com](http://spirentfederal.com)

EUROPE AND THE MIDDLE EAST  
[+44 \(0\) 1293 767979](tel:+4401293767979) | [emeainfo@spirent.com](mailto:emeainfo@spirent.com)

ASIA AND THE PACIFIC  
[+86-10-8518-2539](tel:+861085182539) | [salesasia@spirent.com](mailto:salesasia@spirent.com)

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