

# Spirent TTworbench 30

## 2020-06-30 Release Notes

We are happy to announce a new release of our test automation platform **TTworbench 30**. This new version supports the latest TTCN-3 edition 4.12 and is based on Eclipse 4.14.

### What's New?

- **General**

- Based on Eclipse 4.14 including an OpenJDK 14 package (Windows only)
- Pre-installed runtime and development TTplugins to simplify the installation and maintenance procedure

- **TTCN-3 Compiler (TTthree)**

- Support of TTCN-3 edition 4.12 (TTCN-3:2019) – the new default
  - @nodefault alt statements
  - New template-kind-cast operators omit() and present()
  - Formal parameters of type 'any' for external functions
    - Type 'any' in general for non-standard-conform TTCN-3
  - Map types
  - @abstract templates
  - Improvement for generic external functions (with generic result)
- Support for object-oriented package (TTCN-3:2019 Object-Oriented features)
  - Implicit constructors
  - Mixed classes
  - Nested classes
  - Generic classes
- Support for advanced parameterization
  - Nested type expressions as generic actual parameters

- **Test Execution (TTman)**
  - Improvements for handling large messages in Graphical Logging View
  - Log messages with individual severity markers can be filtered by severity
  - Improved preload behaviour for generated codecs
  - Stream-based handling of messages (improving performance for large messages)
  - Performance improvement for exporting large logs
  - Overwriting of structured module parameters from command line allowed
- **TTplugin ASN.1**
  - Improved outline/navigation for ASN.1 editor
- **TTplugin XSD**
  - Codec generator improvements when using subtypes/substitution groups
- **TTplugin YANG / RESTCONF/ NETCONF**
  - Import YANG modules and use their types in TTCN-3 solutions
  - TTCN-3 library to access both RESTCONF and NETCONF APIs
  - RFC 6020 (YANG), RFC 6241 (NETCONF), RFC 6242 (SSH), RFC 8040 (RESTCONF)

**Additional bug fixes:** 4895, 4916, 5705, 5706, 5709, 5721, 5726, 5727, 5740, 5741, 5742, 5743, 5747, 5767, 5768, 5769, 5776, 5777, 5778, 5786, 5791, 5795, 5796, 5799, 5798, 5805, 5808, 5818, 5820, 5828, 5834, 5863, 5881, 5888, 5889

## Download TTworkbench

To download the latest version of TTworkbench, you need to register yourself in the Spirent Customer Service Center at <https://support.spirent.com> and use the download app tab on the left-hand side. Select the product line TTworkbench and filter for categories and operating system. For detailed instructions, please follow this link on [How to download TTworkbench, TTsuites & TTplugins](#).

It is Spirent's intention to provide you 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) with *TTworkbench* in your subject line beside your topic to ensure fast response times. If you prefer to call our customer care department, please dial **+49 30 726 19 19 0**.

Thank you for your continued interest!

## Notes

This document is subject to change without notice.

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