



# Spirent TTworkbench 24

## 2017-06-20 Release Notes

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TTworkbench 24 supports the latest TTCN-3 edition 4.9.1 and is based on Eclipse Neon 4.6.3. Log processing has been accelerated tremendously, which enables you to load and display log files nearly instantly.

### **Please note!**

To download TTworkbench 24, you need to register yourself in the Spirent Support 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. Do not forget to update your respective TTplugins. TTworkbench 24 compatible TTplugins are available in the Customer Support Center too.

In case of any issues, please contact us directly at [ttworkbench-support@spirent.com](mailto:ttworkbench-support@spirent.com).

### **General**

- TTworkbench 24 is based on Eclipse Neon 4.6.3 and requires Java version 8
- Command line scripts on Windows (TTthree.bat etc.) now use settings from ttworkbench.ini (memory settings, system properties, Java VM etc.)
- New extension point for creating web applications embedded in TTworkbench views
- Added new Port Filter example showing how a port filter can be used to filter and drop messages

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

- Support for multiple TTCN-3 formatter profiles
- T3Doc auto-completion proposals for code assist

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

- Support of TTCN-3 edition 4.9.1 (TTCN-3:2017) – the new default
  - Union types with @default alternative
  - Decode operator (str=>T)
  - Mixed actual parameter list notation (x,y,p1:=z)
  - Default actual parameters are evaluated in associated runs on scope
  - Predefined codec function encvalue\_o/decvalue\_o for encoding/decoding of octetstrings directly
  - Match operation checks for type compatibility of operands
  - Compatibility of enumerated types
  - Enforcing relaxed restrictions regarding loops inside interleave
  - Advanced matching package
    - Matched value retrieval (?->v)
    - Templates with out parameters

- Dynamic match template (@dynamic { ... })
- Implication (A implies B)
- Conjunct
- Disjunct
- Repetition (t#(0,10))
- Exclusion (A except B)
- Equality operators on omit and omit-templates
- New system property TE.allow.modules.with.mismatching.version to allow relaxed version checking
- A hint is generated for unused import statements
- Improvements for
  - Compliance checking of concatenated templates
  - Strictness checking regarding templates
  - Timeout detection latency and missed timeouts at runtime

## Test Execution (TTman)

- Tremendous log speed improvement
- Advanced filter expressions for logging views (see documentation on how to use)
- TTCN-3 source shown directly from Test Data view via right click
- Statistics view updates automatically according to quick filter or verdict filter settings
- "Set Test Adapter" now available in Test Adapter Parameter view from context menu and via double-click
- Added log event types categories for textual and graphical logging filters to ease usage

## TTplugin ASN.1 Codec Factory

- Now comes with different runtime plugins for each supported OSS lib version (currently supported versions are 7.0.x, 6.3.x and 6.2.x)
- Compiler extracts the used lib version from the OSS compiler output and ties the generated codec to the proper runtime plugin
- Codecs do not have to be regenerated again each time a new OSS lib version is included in TWorkbench
  - Once generated, the codecs are bound to the OSS lib version used for generation
  - NOTE: previously generated codecs should be regenerated or migrated by hand



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## Solved Issues

This list shows bug IDs of all issues solved in TWorkbench 24. You might check your conversation with our support team for references.

3002, 3021, 3090, 3174, 3233, 3324, 3332, 3506, 4686, 4738, 4935, 5018, 5312, 5514, 5947, 5956, 5959, 6190, 6208, 6255, 6457, 6512, 6588, 6681, 6693, 6748, 6812, 6813, 6852, 6866, 6911, 6919, 6941, 6952, 7014, 7064, 7065, 7131, 7132, 7135, 7150, 7209, 7216, 7245, 7294, 7304, 7310, 7327, 7334, 7337, 7338, 7341, 7342, 7343, 7353, 7358, 7359, 7363, 7397, 7406, 7414, 7416, 7420, 7421, 7422, 7424, 7426, 7432, 7437, 7443, 7444, 7445, 7448, 7457, 7458, 7460, 7461, 7464, 7465, 7474, 7475, 7479, 7483, 7484, 7486, 7487, 7495, 7498, 7500, 7504, 7505, 7506, 7507, 7508, 7509, 7510, 7511, 7515, 7517, 7519, 7520, 7521, 7522, 7524, 7526, 7527, 7528, 7533, 7534, 7536, 7538, 7539, 7540, 7542, 7543, 7544, 7547, 7548, 7549, 7552, 7555, 7559, 7560, 7567, 7568, 7570, 7571, 7572, 7573, 7574, 7577, 7578, 7581, 7582, 7584, 7585, 7587, 7588, 7589, 7590, 7591, 7596, 7597, 7598, 7601, 7604, 7606, 7609, 7612, 7613, 7620, 7622, 7626

## Update of TWorkbench

Please download the latest version of TWorkbench in the Spirent Support Center at <https://support.spirent.com>.

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 [tworkbench-support@spirent.com](mailto:tworkbench-support@spirent.com) or call our customer care department at +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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