

## TTworkbench 24版本发布：2017-06-20

TTworkbench 24支持最新的TTCN-3版本4.9.1，TTworkbench 24基于Eclipse Neon 4.6.3。日志处理速度得到了极大的提升，近乎即刻加载和显示。

### 请注意！

下载TTworkbench24, 需要先注册，然后选择屏幕左手边的下载应用程序选项卡。

选择TTworkbench产品线并筛选类别和操作系统。不要忘记升级你的TTplugins.TTworkbench兼容的TTplugins也在技术支持中心下载。

如果需要帮助，可通过[sales@testingtech.com.cn](mailto:sales@testingtech.com.cn) 联系我们。或者发邮件到ttworkbench-support@spirent.com获得专业技术支持。

### 概述

- TTworkbench 24基于Eclipse Neon 4.6.3，需要Java 8版本
- Windows上的命令行脚本 (TTthree.bat etc.) 现在从ttworkbench.ini 设置 (memory settings, system properties, Java VM etc.)
- 创建嵌入到TTworkbench视窗的web应用的新扩展点
- 添加新的端口过滤例程，展示端口过滤如何用来过滤和丢弃消息

### TTCN-3 核心语言编辑器 (CL Editor)

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

### TTCN-3编译器(TTthree)

- 支持TTCN-3 最新版本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

## 测试执行 (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 TTworkbench
  - 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

### Solved Issues

This list shows bug IDs of all issues solved in TTworkbench 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