



亲爱的用户:

TesitngTech 2015 年 6 月发布 [TTworkbench](#) 20 版本。TTworkbench 20 版本支持 [TTCN-3 最新标准 4.7.1](#)，提供 TTman Server 允许远程执行测试。随着 TTworkbench20 版本发布的还有 Spirent TestCenter 插件。

请注意:

在升级您的 TTworkbench 版本时不要忘记升级您的插件 ([TTplugins](#))。TTworkbench 20 兼容的插件已经可以下载了。

更新的新功能?

TTCN-3 核心语言编辑器 (CL Editor)

- **New!** (Ctrl+F3) 向导来选择导入哪些模块

TTCN-3 编译器 (TTthree)

- 支持 TTCN-3 edition 4.7.1 (TTCN-3:2015) - the new default
 - Universal char shorthand notation
 - Verdict redirect assignment for component done and kill operations
 - Runtime checks for overlapping inout parameters
 - New predefined functions get_stringencoding and remove_bom
 - Encvalue with additional self-definable parameter
 - Additional TCI methods for float values: setDouble, getDouble, setBigDecimal, getBigDecimal
 - New interface TciCDPProvidedTT471 (implemented by AbstractCodecPlugin) to provide new functions encodeValue and decodeValue without breaking existing codecs
 - New TRI functions triSelf() and triRnd()/xtriRnd() to be called in TE by PA/SA
 - Additional TCI functions and interfaces for dynamic template construction TciMatchingType, MatchingMechanism, MatchingList, ValueRange, MatchDecodedContent, CharacterPattern, LengthRestriction, Permutation, RangeBoundary in Value, RecordOfValue, CharstringValue, and UniversalCharstringValue
 - Parameter assignment now also allows @decoded modifier and extended field reference
 - Implicit decoding and matching of payloads during matching of container with decmatch matching mechanism
- 支持任意 大小/精确值 浮点数



测试执行 (TTman)

- 启动测试按钮显示的是一个 "play" 图标, 替代了原来的 "running man"
- **New!** 通过 TTman Server 远程执行
 - New workspace preference settings at TTCN-3 > Execution - TTman > Engine to
 - ✧ Automatically discover and select a TTman Server
 - ✧ Define and control connection settings
 - ✧ Administrate a TTman Server (name, id, password, licenses)
 - If remote execution is selected, the respective TTman Server name will be shown in test management view top and an overlay "cloud" symbol will appear on the test execution button.
 - More details can be found in the TTworkbench User's Guide > Chapter 8 Using TTworkbench TTman > 8.3 TTman Server.

运行时插件开发集成环境 (RPDE)

- Updated support for classpath handling for TT3plugins
 - If classes are used directly from TT3plugins listed as dependencies, they can be added to the Java classpath using the TT3plugins Dependencies library.
 - ✧ Project > Build path > Add Library > TT3plugin Dependencies

TTlibrary (TTCN-3 Library Functions)

- Mathematical functions (PI, sqrt, abs, sin, etc.) added to TTCN-3 TTlibrary_Math
- Advanced file functions (zipFolder, copy, copyDirectory, searchFiles, etc.) added to TTCN-3 TTlibrary_File
- Example project Example_TTlibrary providing usage examples

New! TTplugin SpirentTestCenter

- Automate Spirent TestCenter through TTCN-3
- Create and manage Spirent TestCenter test configurations
- Create and manage Spirent TestCenter automation objects and their attributes
 - For instance traffic generation, analysis, and capturing events on the devices
- Execute tests based on existing test configurations
- Retrieve detailed test results
- Ready to use - no additional coding efforts



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- Freely combinable with additional test access (TTplugins)
- [See all details here](#)

TTplugin SQL

- Compatible now with Oracle 12 JDBC connectors
- Support of named columns for generated keys

Solved Issues

The following list shows bug IDs of all issues solved within TTworkbench 20. You might check your conversation with our support team for references.

2447, 2583, 2718, 3607, 4323, 4498, 5252, 5465, 5677, 5803, 5830, 5905, 5950, 6020, 6043, 6068, 6072, 6076, 6077, 6088, 6093, 6100, 6120, 6139, 6184, 6235, 6254, 6258, 6292, 6296, 6309, 6310, 6312, 6318, 6321, 6324, 6329, 6330, 6331, 6332, 6333, 6334, 6335, 6336, 6337, 6338, 6339, 6352, 6354, 6356, 6357, 6358, 6359, 6360, 6361, 6362, 6370, 6375, 6376, 6378, 6381, 6383, 6392, 6395, 6396, 6402, 6408, 6411, 6413, 6414, 6421, 6427, 6431, 6434, 6436, 6437, 6440, 6443, 6444, 6446, 6447, 6448, 6451, 6452, 6453, 6454, 6456, 6463

升级 TTworkbench Express/Basic/Professional

TTworkbench 下载链接 www.testingtech.com/support/downloads.php. 打开连接后, 输入你的 Reference ID。如果您还没有 Reference ID, [请联系我们](#) sales@testingtech.com.cn。

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非常感谢您的关注, 欢迎[联系我们](#)。