

VIAVI TTworkbench

Build, Execute, and Analyze Complex Test Scenarios

TTworkbench is the full-featured integrated test development and execution environment (IDE). This powerful, user-friendly tool allows you to test software products and services regardless of technology, operating system, or implementation domain.

Based on the standardized testing language TTCN-3 it enables test automation as well as unlimited extensibility. Choose from a variety of existing plugins and test solutions available for TTworkbench, or start your test automation project from scratch.

All versions of TTworkbench come with the already pre-installed TTplugins TCP and UDP.

Product Formats

- TTworkbench Basic: Maintain and modify test suites
- TTworkbench Professional: Build complex test environments

TTworkbench	Professional	Basic
TT Man	•	•
CL Editor	•	•
TTthree	•	•
Capture & Replay	•	•
GFT Editor	•	
TTdebug	•	
RPDE	•	

Features at a Glance

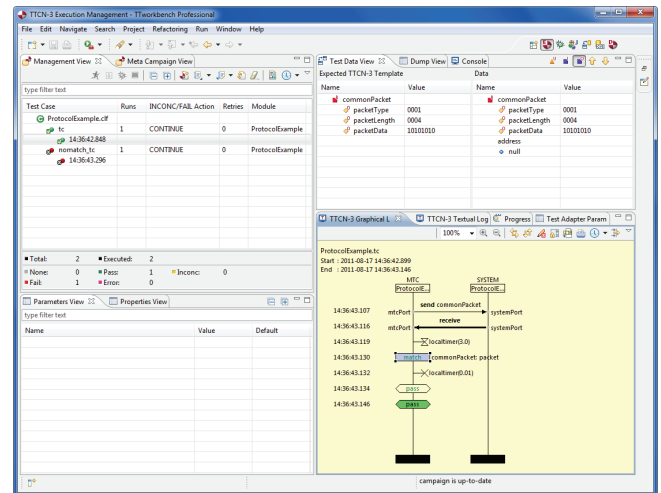
- **TTman:** Test management, execution & analysis
- **CL Editor:** TTCN-3 Core Language editor including T3Doc
- **TTthree:** TTCN-3 compiler
- **GFT Editor:** Graphical TTCN-3 editor
- **Capture & Replay Wizard:** Generation of TTCN-3 scripts out of traces
- **TTdebug:** TTCN-3 source code level debugger
- **RPDE:** Runtime Plugin Development Environment

Benefits

- All-in-one development concept
- Fast and easy test definition in textual and/or graphical format
- Full supported test automation
- Technology independent test system design in TTCN-3
- Constantly supporting the latest edition of TTCN-3
- Testing in early design stages
- High reusability and easy execution of predefined tests
- Fast integration of test systems
- Reliable test suites through fast & efficient tracking of bugs
- Pre-installed TTplugins TCP and UDP (free of charge)
- Extensible by a variety of further TTplugins
- Support for all TTCN-3 extensions
 - Full support: Advanced parameterization, behavior types and extended TRI
 - Partial support: TTCN-3 performance and real-time testing, interfaces with continuous signals

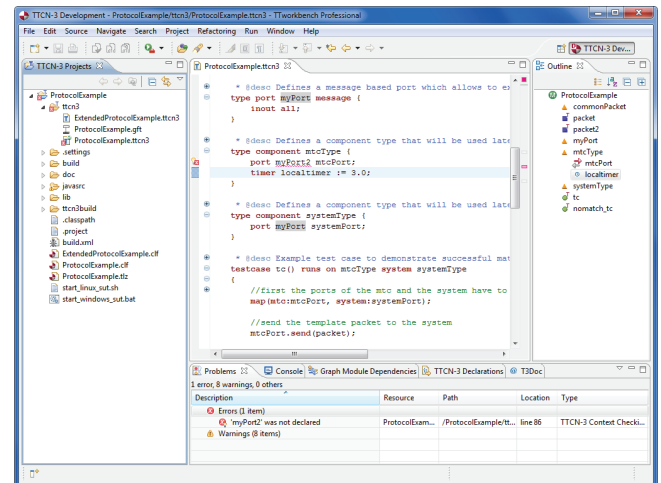
TTman: Manage, Execute & Analyze TTCN-3 Compiled Test Suites

- Definition, execution, saving and resuming of test campaigns project-wise
- Textual and graphical logging with different levels
- Test data view with analysis support
- Follow TTCN-3 source function
- Selection and configuration of test adapter and runtime plugins (ports, codecs, external functions)
- Statistics view
- Generation of test reports (HTML, PDF, Excel, Word)
- Scripting for batch mode tests
- Command line and client server option



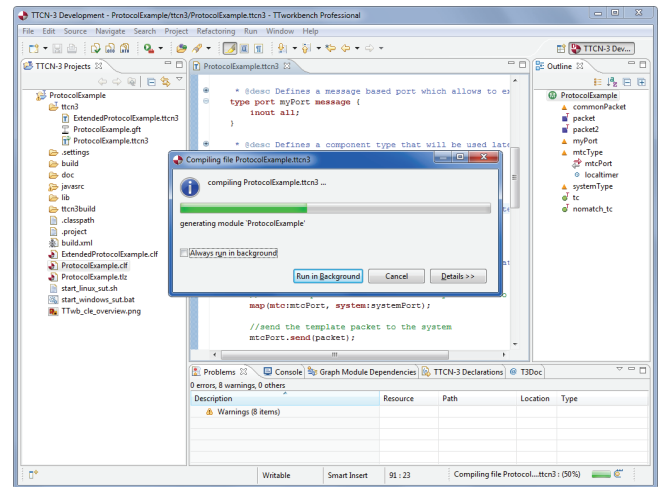
CL Editor: User-friendly, Text-based Test Definition (including T3Doc)

- Full support of the TTCN-3 ETSI standard
- Text formatting and syntax highlighting
- Text annotation and error reporting with source navigation
- Code folding, code templates
- TTCN-3 data generation and modification wizard
- Content assistance
- Module dependency graph
- Outline page showing specification structure
- Quick fix support
- Refactoring
- T3Doc HTML export



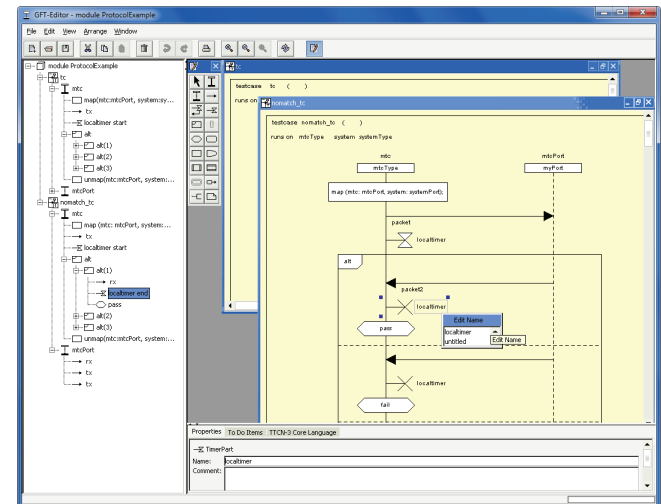
TTthree: Compile TTCN-3 Modules into Test Executables

- Platform-independent compilation and execution
- Full support of the TTCN-3 ETSI standard
- Flexible adaptation to test devices via standardized TTCN-3 Runtime Interface (TRI/XTRI, TRI RT/XTRI RT)
- Easy integration of external codecs via standardized TTCN-3 Control Interfaces (TCI)
- Support of C, C# and Java mapping
- Codec generator for binary codecs
- Command line option



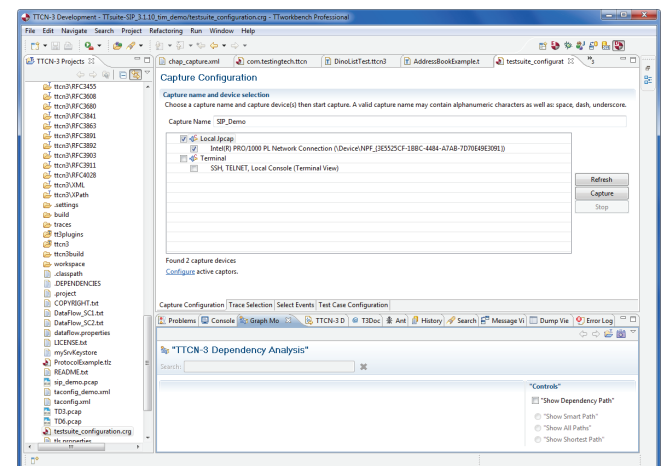
GFT Editor: User-friendly Graphical Test Specification & Documentation

- Graphical design and visualization of test cases as GFT sequence diagrams
- Native TTCN-3 data import
- On-line generation of TTCN-3 Core Language
- Automatic generation of graphics out of TTCN-3 Core Language
- Flexible export of graphics into GIF (documentation)



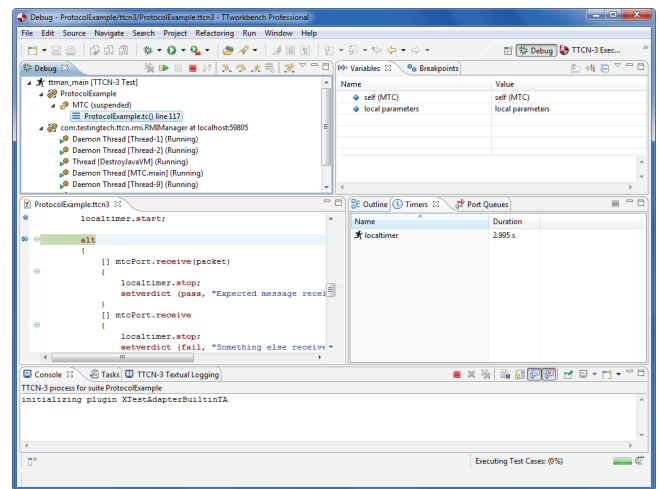
Capture & Replay Wizard: Generation of TTCN-3 Scripts out of Traces

- Transparent debugging of TTCN-3 and Java-based test adapters and codecs simultaneously
- GUI based setting/removal of breakpoints and watchpoints
- Manually suspending/resuming running test suites



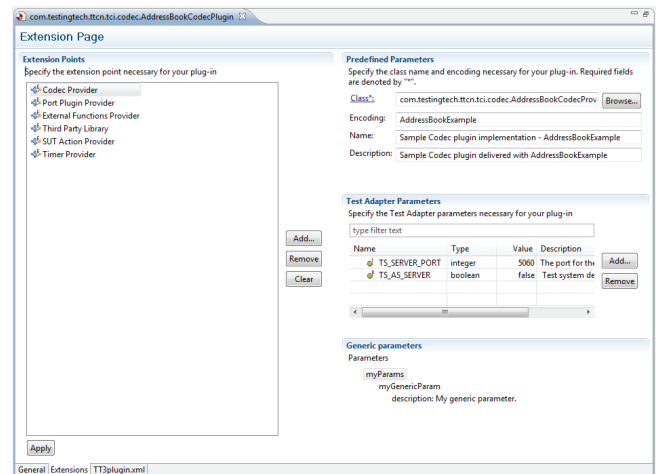
TTdebug: TTCN-3 Source Code Level Debugger

- Transparent debugging of TTCN-3 and Java-based test adapters and codecs simultaneously
- GUI based setting/removal of breakpoints and watchpoints
- Manually suspending/resuming running test suites
- Stepping through a suspended test suite
- Viewing the status and the stack traces of multiple components
- Content viewing and modification of local and component variables from base or structured types and of local parameters
- Viewing the status of timers & manually triggering timeouts
- Viewing the status of port queues
- Manipulating the order of messages in the queues



RPDE: Create Your Own Plugins

- Intuitive framework for developing TTCN-3 runtime extension plugins
- Editing in a plain mode as well as in a GUI assisted mode for all features of a TTCN-3 runtime plugin
- Viewing the content of the messages in the queues



Reference Platforms

- Java 8 JDK or JRE
- Microsoft Windows 7/8/10
- Linux (GTK2, x86-32, x86-64)

Ordering Information

Part Number	Description
TEC-TT-WB	TTworkbench Basic
TEC-TT-WP	TTworkbench Professional
TEC-SVC-1015-WB-1Y	TTworkbench Support and Maintenance 1yr



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