

TestCast – your Test Automation Platform

TestCast is Test Automation Platform based on standardized testing language **TTCN-3**. You can develop, execute and analyze tests regardless of your implementation domain, operating system or technology used.

TestCast is ideal for incremental development. Testing of a single element can be achieved without an entire working system. Users can test specific systems and features separately as well the entire system as whole. **TestCast** is also capable of testing individual hardware or software element embedded in a larger system.

TestCast editions



TestCast MBT is model based testing solution. System behavior is modeled as Input/output Transition System, a structural test coverage criterion is defined, abstract test cases are designed and generated, and tests are rendered into executable test scripts.



TestCast Professional is full featured TTCN-3 tool for developing, compiling and executing TTCN-3 scripts.



TestCast Runtime is low cost test environment for executing TTCN-3 scripts precompiled with **TestCast Professional** edition

Comparison of editions

	TestCast [✓] MBT edition	TestCast [✓] professional edition	TestCast [✓] runtime edition
Automated test execution	X	X	X
Graphical/textual log	X	X	X
Test Suite viewer	X	X	X
TTCN-3 editor	X	X	
TTCN-3 compiler	X	X	
TTCN-3 debugger	X	X	
System Model Editor	X		
Model Based Test Design	X		
Automated Test Generation	X		
Requirements management	X		

Features

- TTCN-3 editor, compiler, debugger, execution
- TTCN-3 test suite viewer
- Supports TTCN-3:2003 ... TTCN-3:2022
- Supports TTCN-3 extensions:
 - Configuration and Deployment Support
 - Behaviour Types
 - Support of interfaces with continuous signals
 - Extended TRI (xTRI)
 - Advanced Matching
- TRI and xTRI mapping for C, C++, C#, Java
- TCI mapping for C, C++, C#, Java
- XSD support
- Graphical IDE for managing test projects
- Command line option
- Test management features
- Graphical and textual view of logs
- Test logs playback feature
- System adapter source code factory for
 - Message based communication
 - Procedure based communication
- Built-in codecs:
 - ASN.1 PER and BER
 - Textual
 - XML, TCI XML
 - JSON
 - Binary
- Out of the box external codecs for:
 - 3GPP LTE UE Conformance test suite
 - SIP
 - IMS SIP
- Out of the box adapters for:
 - TCP
 - UDP
 - Selenium
 - RS232
 - HTTP
 - CoAP
- Runs on Windows and Linux (32 | 64 bit)
- Floating- and node-locked licenses

Why to use TestCast as your TTCN-3 tool?

- Proven quality – TestCast is in use by many industry leading companies in different domains
- Easy-to-learn user-friendly intuitive test tool
- TestCast helps to increase testing productivity and test coverage providing shorter time to market
- TestCast includes rich set of built in and out of the box adapters and codecs
- TestCast is adapted to many public TTCN-3 test suites and interfaces – SIP, LTE UE, IMS, ITS, NGSi9/10 etc.
- Elvior provides excellent technical support

