



TTplugin Native C

Native C Support for TTCN-3 Runtime Interface and TTCN-3 Control Interface

The Native C support plugin enables TTworkbench to use implementations for the standardized TTCN-3 Control Interface (TCI) and TTCN-3 Runtime Interface (TRI) written directly in ANSI-C. No Java knowledge is required.

A TTCN-3 test system is freely adaptable due to the standardized TTCN-3 test system architecture defining different entities with the system providing different functionalities.

The TTCN-3 standard defines different mappings for the TTCN-3 Runtime Interface and the TTCN-3 Control Interface, for Java and for ANSI-C. TTworkbench is running in a Java environment, so normally a test adaptation is written in Java, too.

With TTplugin Native C the test adaptation can be written in ANSI-C. The mapping from Java to ANSI-C is already provided. The system adaption focuses exclusively on ANSI-C.

Highlights/Features

- Support of following runtime plugins
 - Codec for en- and decoding of values (TCI-CD) including the support of the TCI type and value interface
 - External/SUT action (TRI-SA)
 - External function (TRI-PA)
 - Port/SUT adapter (TRI-SA)
- No Java coding efforts
- Direct access to C implementations
- Standards-based testing with TTCN-3
- Freely combinable with additional test access (TTplugins)
- Free of charge for users of TTworkbench
- Available for following platforms: Linux 32Bit | Windows 32Bit

