Socket API for TTCN-3 Toolset with TITAN

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Functionality

The Socket API contains type and constant definitions in a formalized way, using the standard specification language TTCN-3. This allows the usage of these definitions in test ports, protocol modules, libraries and applications.

Implemented Protocols

None.

Modified and Non-Implemented Protocol Elements

None.

Ericsson-Specific Changes

None.

Backward Incompatibilities

None.

System Requirements

Socket API is a set of TTCN-3 source code files that can be used as part of TTCN-3 test suites only. Hence, protocol modules alone do not put specific requirements on the system used. However, in order to compile and execute a TTCN-3 test suite using the set of protocol modules the following system requirements must be satisfied:

- Titan TTCN-3 Test Executor version CRL 113 200 R7A (1.7.pl0) or higher installed. For Installation Guide see [2].

NOTE	This version of the test port is not compatible with Titan releases earlier than CRL 113 200 R7A.

Usage

Installation

Socket API can be used in developing TTCN-3 test suites using any text editor; however, to make the work more efficient a TTCN3enabled text editor is recommended (for example `nedit`, `xemacs`). Since the Socket API is used as a part of a TTCN-3 test suite, this requires TTCN-3 Test Executor be

installed before the module can be compiled and executed together with other parts of the test suite. For more details on the installation of TTCN-3 Test Executor see the relevant section of [2].

Configuration

None.

Examples

None.

Interface Description

None.

Terminology

Abbreviations

TTCN-3

   Testing and Test Control Notation version 3

References

[1] ETSI ES 201 873-1 v4.5.1 (2013-04)
The Testing and Test Control Notation version 3. Part 1: Core Language

[2] User Guide for TITAN TTCN-3 Test Executor