

TPT Severe Issues

Introduction

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The following document contains a list of known severe issues of TPT. By severe issues we mean issues/bugs in particular versions of TPT that:

1. might cause malfunctions in the behavior of TPT
2. are hard or even impossible to find by the TPT user herself/himself
3. cause the risk that bugs/defects in a SUT (system under test) are not detected by TPT in cases where TPT would have been able to reveal these bugs/defects in the SUT without the aforementioned malfunction in the behavior of TPT.

Usually these severe issues address the situations where the problem might appear and have well-defined workarounds.

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TITLE:

When executing tests using the FUSION platform, the mechanism "Read parameters from FUSION only once (before first test case)" does not ensure that the first test case has completed the parameter exchange before the following test cases use the parameters.

ISSUE DETECTION:

4-September-2020

AFFECTED VERSIONS OF TPT:

TPT 12, TPT 13, TPT 14, and TPT 15

PRECONDITIONS:

The checkbox "Read parameters from FUSION only once (before first test case)" must be selected in the FUSION platform and the number of cores in the Execution Configuration dialog must be greater than 1.

DETAILS:

When running tests in multicore mode using the FUSION platform and the option "Read parameters from FUSION only once (before first test case)" is selected, the test cases are executed immediately without waiting until the parameters have been exchanged.

EFFECT OF THE ISSUE:

For tests executed in parallel (i.e. all but the first test case), not the parameter values determined during a parameter exchange are used, but the default values from the Declaration Editor (nondeterministic behavior).

WORKAROUND:

Deselect the "Read parameters from FUSION only once (before first test case)" checkbox in the FUSION platform configuration, or do not run tests in multicore mode.

RESOLVED IN:

TPT14u3, TPT15u2