SEP #81 : Extend test_run to export in a xUnit format

Abstract

This SEP details the introduction of a fourth argument for test_run.

Rationale

Continous integration systems are becoming more and more popular. Among the most famous software in this domain, Jenkins (formelly called Hudson) has now become the reference.

As part of the quality effort on Scilab, Scilab Enterprises has setup an instance of Jenkins available:

http://build.scilab.org/

In this context, it is important that the Scilab test suite could be integrated in Jenkins in order to let Jenkins managing new test failing, the amount of tests, etc.

This SEP proposes to introduce a fourth argument to the test_run function. This string argument, it would define the path to an XML file containing the result of the execution.

The selected format is called xUnit. Already normalized, it is used by Junit, PHPUnit, and many other.

This will allow a simple integration of Scilab results into third party applications.

Syntax

    status = test_run(module,test_name,options, XMLFile)

Example Usage

    status = test_run("core",[],[], TMPDIR+/"results-test-core.xml")

Changelog

    1.0 – Initial revision

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