CODESCROLL
CONTROLLER TESTER

Release Note

3.7 — Last update: Jun 27, 2022

Suresofttech

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1. Added Features

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1.1. Add Mock object feature to C++ projects

You can create an object using mock objects in C++ projects.

Generate a mock object

- You can generate a mock object in [Test Editor] > [Test Info Tab].
- In the Class Factory View, you can see or remove a class code of generated mock objects.
- In the Class Factory View, you can see tests and mock specifications connected to mock objects.

Generate simulated object specifications

- In [Test Editor] > [Test Info Tab], you can generate specifications selecting mock objects.
- Using [Generate Specification Wizard…], you can generate specifications easily.

Check the result of mock objects' specifications

- If the specification fails, you can see the test cases for which the specification failed in the Unit Test View.
- After running the tests, you can see the pass/fail of the specification in [Test Editor] > [Test Case Tab].
- When the specifications fail, you can see the failure messages in [Mock failure Messages].

1.2. The Others

Clear history of workspaces

Using [Clear History] feature, you can remove the workspace from the list in Controller Tester.

Import/Export virtual memory addresses

You can import/export settings of virtual memory addresses.

Sort by unique test name

You can sort the tests by a unique test name in the toolbar menu of the Unit Test View.

Import fault injections

You can use Import Fault Injection feature in the toolbar menu of the Fault Injection View.

Generate function call flow

You can generate function call flow contents for each test case.

2. Improvements

Import/Export

Improved export/import features for project sharing.

- Importing/Exporting projects can include source codes and a toolchain.
- Importing/Exporting tests include class codes and specification of mock objects.
- Importing/Exporting tests can include fault injections.

Test reconfiguration

- You can reconfigure the global variable test of integration tests.
- If the type of global variable has changed, you can reconfigure the test by reflecting the change.

Performance of RTV projects

- Fixed bugs in incremental build.
- Improve the performance to run the tests.

The Others

- Improve some view to shorten too long function names in C++ projects
- Improved to display warning when incorrectly formatted test data is imported.
- You can copy the contents of the Function Call Hierarchy View, Unused Function View, and Global Variable Relation View to text.
- You can generate a file coverage report with external coverage.

3. Bug Fixed and Feature Renamed

- [List of Fixed Bugs](#)
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3.1. List of Fixed Bugs

- Fixed an issue where multi-line comments (`/**/`) were included in the file metric LOC value measurement.
- When importing requirements from V-SPICE, modify the [Finish] button to prevent activation if there are no requirements to import.
- Fixed an issue that inspecting debug informations and host diagnosis point differently.
- Fixed an issue that did not load a class factory when creating a unit test with the CLI.
- Fixed an issue where the input value of a structural pointer variable remained in the Test Case tab when the input value was unchecked in the Test Editor.
- Fixed an issue where project attributes could not be imported when importing a project.
- Modify the exported toolchain to be imported regardless of whether it is uppercase or not in the root directory when importing the toolchain
- Modify the warning not to display if the target log is successfully imported even if there is a missing item in the target log.
- Fixed an issue with compilation errors in the Korean language path.
- Fixed an issue where the coverage of the template function did not merge when importing coverage.
- Fixed an issue where stubs of `operator[]` were not generated.
- Fixed an issue that occurs when a template parameter is a string and contains special characters.
- Fixed an issue where the number of functions in the test reports and the Coverage View did not match
- Fixed an issue where unit test creation was not possible if the function signature was preceded by a keyword other than the template keyword
- Modify not to create default constructor for class declarations with `_declspec(dllimport)`
- Fixed an issue where the report link by target test was incorrect
- Fixed performance degradation when creating uncovered branch markers

3.2. List of Renamed Features

- csbuild module used by the RTV server has been renamed to ctbuild.