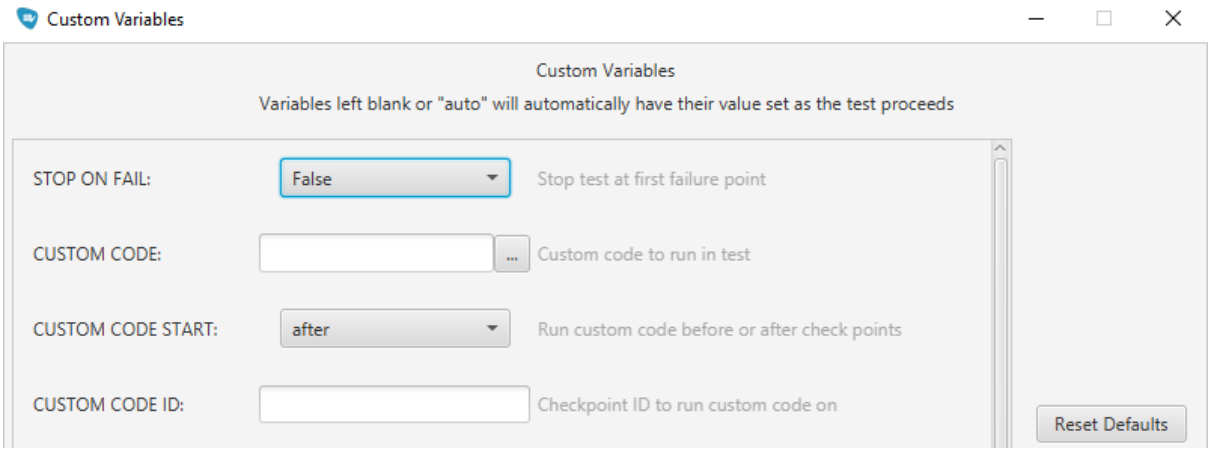
Quarch Technology Ltd

Quarch Compliance Suite

Custom Code - Walkthrough

V1.0



Overview

Custom code is a recent introduction to Quarch Compliance Suite, being added in version 1.10.
Our aim is to provide users a function to inject their own code into tests.

Custom code is now accepted in any QCS test.

Your comments, requests and suggestions are very welcome and can be directed to support@quarch.com.

Future versions of the test suite will aim to include these improvements where practical.

Variable Breakdown

Custom code

Variable is a file explorer window, used to select the python file a user wishes to execute.

Custom code to be run must include a function called “main”. For an example of an accepted piece of executable code, please see the screenshot below.

```
import os


def main():
    print(os.system("smartctl --scan"))
```

Custom code start

Variable is a flag to indicate whether the custom code is to be executed before or after a check point’s execution.

For example, a user may wish to run custom python code to take additional data / recordings of their DUT before / after a hotplug check point is executed.

Custom code id

Variable is a string field that accepts checkpoint ID’s.

When checkpoints containing the specified ID’s are executed, the custom code is also executed.

The variable accepts the following formats

- 1-3
    - Where ‘X’ is a unique id
    - Unique IDs separated by a ‘-’ character, will execute code on any / all checkpoints between these 2 IDs.
    - IDs can be of any precision (Example : 1.1-1.4, 1.1.1-1.4.1)

- 1.1.1
    - An exact check point ID.

    - Formats like this will only execute if an exact match is found. IDs with only a partial match will be ignored

- 1.x.3
    - Any check point ID matching the pattern “1.x.3” will be accepted.
    - An example here would be 1.4.3, 1.5.3, 1.6.3…
    - Multiple ‘x’ can be included in the string.
        - 1.x.x.x.4 - Accepted