
Question

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Trigger UnitTests programmatically in a cls file

Hey all,

I am currently working on a website (with Angular) for displaying the results of UnitTests.

Everything is working fine, except that I can not run a test inside a ClassMethod.

I have 2 classes: One for handling which test class should be invoked and then a test class that is extending `%UnitTest.TestCase`

The test class:

```
Class my.class.path.testing.EingangTest Extends %UnitTest.TestCase
{
    Method CreateEingangTest() As %Boolean
    {
        Set eingangObj = ##class(My.class.path.Eingang).%New()
        if $$$ISOK(status) {
            set eingangObj.ezeichnung = "Testlager"
            set eingangObj.adresseStr = "Teststrasse"
            set eingangObj.adressePLZ = "20192"
            set eingangObj.adresseOrt = "Testhausen"
        }
        set status = $$$AssertStatusOK(eingangObj.%Save(0), "true")
        return status
    }
}
```

In the handler class I tried something like this:

```
set testCase = {
    "testName": "",
    "success": ""
}
set testObj = ##class("my.class.path.testing.EingangTest").%New("")
set status = testObj.CreateEingangTest()
set testCase.testName = "EingangTest"
set testCase.success = status
write testCase.%ToJSON()
return testCase
```

The problem is that I am getting an "INVALID OREF"-Error pointing to the "\$\$\$AssertStatusOK".

My second try was to use the way showed in the documentation. So I exported my EingangTest class and added this to the handler:

```
set ^UnitTestRoot="C:\My\Path"  
set status = ##class(%UnitTest.Manager).RunTest("tests")
```

This solved the problem and the test was successful, but the response from the server to my website failed with a JSON parse error.

Is there any way to run a test without using the terminal?

Thanks in advance

Maik

[#Testing](#) [#Ensemble](#)

Product version: Ensemble 2018.1

Source URL: <https://community.intersystems.com/post/trigger-unittests-programmatically-cls-file>