

## **Execute Selected Tests V1.2 - USER MANUAL**

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### **i. Test Execution**

#### **a. Executing multiple tests**

1. Go To ... \ComTests\Develop\ComTests\Tools\ExecuteSelectedTests and Run **Execute Selected Tests VX.XX.exe** file
2. Click On Browse Button and select the **TestResult.xml Or Results.txt file**. (Extract the zip file received after the test run for getting the TestResult.xml Or Results.txt file.)
3. Select the required Architecture and Configuration using the drop down list. (x64 and Debug are selected by default)
4. Build the solution by clicking build button (**Optional- Skip If the solution is already Build**)
5. Click On Start Execution Button

**Note :** Clicking on stop execution in between the execution will show the results of the tests that were executed up to that moment.

#### **b. Executing a Single Test**

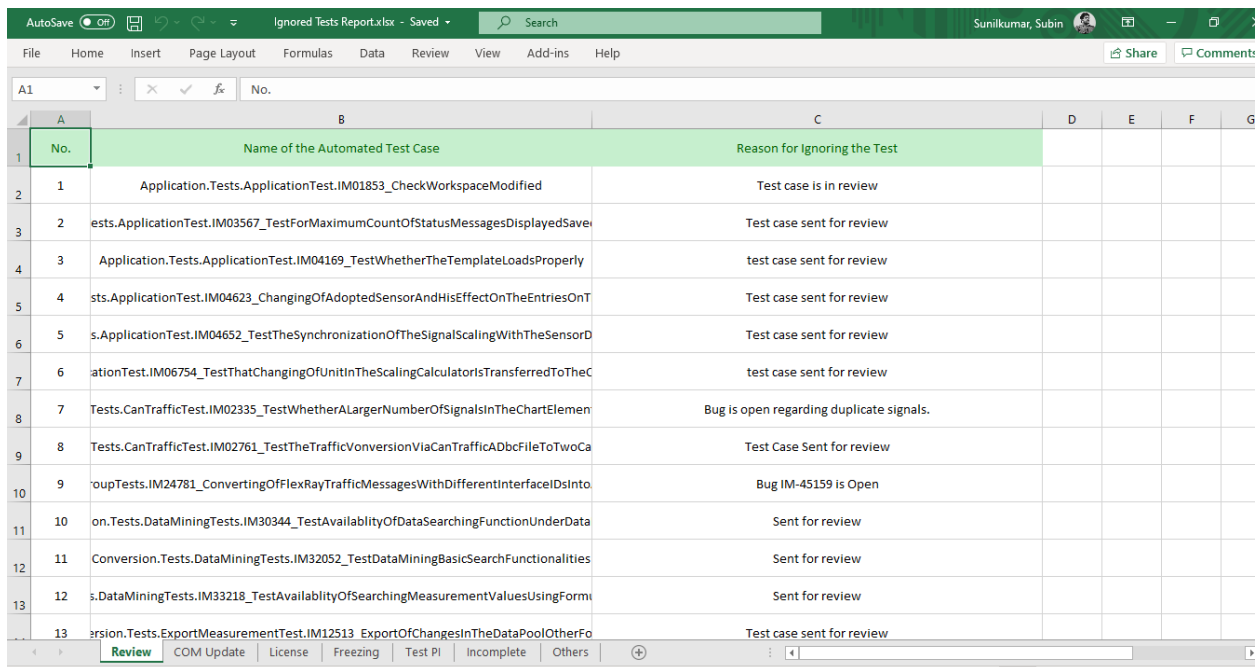
1. Go To ... \ComTests\Develop\ComTests\Tools\ExecuteSelectedTests and Run **Execute Selected Tests VX.XX.exe** file
2. Enter the name of the automated case in the text box  
Eg: **Scripting.Tests.ScriptingTest.IM50151\_ComMoveRelativeTimeOfADataGroup**
3. Select the required Architecture and Configuration using the drop down list.
4. Build the solution by clicking build button (**Optional- Skip If the solution is already Build**)
5. Click On Start Execution Button

## ii. Report Generation

### a. Ignored Test Report Generation

Categorizes the Ignored Tests into different Excel worksheets as In Review, COM Test Update Required, License Not available, Freezing Tests, Test Plugin Tests, COM Function Missing Incomplete Tests and Others and creates Excel Report In Current Directory. ***Name of the Automated Test is used as identifier.***

1. Click On Browse Button and select the ***TestResult.xml*** file
2. Click On Generate Ignored Test Report Button



No.	Name of the Automated Test Case	Reason for Ignoring the Test
1	Application.Tests.ApplicationTest.IM01853_CheckWorkspaceModified	Test case is in review
2	ests.ApplicationTest.IM03567_TestForMaximumCountOfStatusMessagesDisplayedSave	Test case sent for review
3	Application.Tests.ApplicationTest.IM04169_TestWhetherTheTemplateLoadsProperly	test case sent for review
4	sts.ApplicationTest.IM04623_ChangingOfAdoptedSensorAndHisEffectOnTheEntriesOnT	Test case sent for review
5	s.ApplicationTest.IM04652_TestTheSynchronizationOfTheSignalScalingWithTheSensorD	Test case sent for review
6	ationTest.IM06754_TestThatChangingOfUnitInTheScalingCalculatorIsTransferredToTheC	test case sent for review
7	Tests.CanTrafficTest.IM02335_TestWhetherALargerNumberOfSignalsInTheChartElemen	Bug is open regarding duplicate signals.
8	Tests.CanTrafficTest.IM02761_TestTheTrafficConVersionViaCanTrafficADbcFileToTwoCa	Test Case Sent for review
9	roupTests.IM24781_ConvertingOfFlexRayTrafficMessagesWithDifferentInterfaceIdsInto	Bug IM-45159 is Open
10	on.Tests.DataMiningTests.IM30344_TestAvailabilityOfDataSearchingFunctionUnderData	Sent for review
11	Conversion.Tests.DataMiningTests.IM32052_TestDataMiningBasicSearchFunctionalities	Sent for review
12	s.DataMiningTests.IM33218_TestAvailabilityOfSearchingMeasurementValuesUsingForm	Sent for review
13	ersion.Tests.ExportMeasurementTest.IM12513_ExportOfChangesInTheDataPoolOtherFo	Test case sent for review

### b. Failure Report Generation

Creates Excel Report containing Reason for Failure, And also unfilled columns for filling Name of COM Developer who Updated the test and details regarding what updates he/she has made for resolving the test issue. ***Name of the Automated Test is used as identifier.***

1. Click On Browse Button and select the ***TestResult.xml*** file
2. Click On Generate Failure Report Button

COM Test Update Report.xlsx - Saved				
File Home Insert Page Layout Formulas Data Review View Add-ins Help				
A1 No.				
No.	Updated By COM Developer	Fix Applied	Failure Log	Name Of the Automated Test Case
1			message not found seconds: 23	Conversion.Tests.ExportMeasurementTest.IM05981_TestingTheExportOfGpsDa
2	1		System.Runtime.InteropServices.COMExcepti on : Durch den Messagefilter wurde	Conversion.Tests.ExportMeasurementTest.IM11086_ExcelXlsxExportOptionExcl
3	2		TearDown : System.Runtime.InteropServices.COMExcepti	Conversion.Tests.H264ImportTest.IM14771_ImportAVIH264
4	3		TearDown : System.Runtime.InteropServices.COMExcepti	Conversion.Tests.H264ImportTest.IM14772_ImportAVIMJPG
5	4		No warning is appeared Expected string length 37 but was 103. Strings	Monitoring.Tests.LimitTest.IM02398_DisappearanceOfWarningOfLimitValue
6	5		Image comparison is not successful when limit is exceeded on Sine-1 due to its value	Monitoring.Tests.LimitTest.IM02427_TestLimitDeletionAfterAddingItToDisplay
7	6		Image comparison is not successful when limit is exceeded on Analog Output-1 for the	Monitoring.Tests.LimitTest.IM02433_TestWhetherLimitTriggerConditionCanBeC
8	7		Image comparison is not successful. When limit is exceeded on Analog Output-1 for the	Monitoring.Tests.LimitTest.IM02434_TestThresholdTriggerConditionMonitoring
9	8		Image comparison is not successful. When limit is exceeded on Analog Output-1 for the	Monitoring.Tests.LimitTest.IM02436_TestWhetherLimitHysteresisCanBeChange
10	9		Image comparison is not successful. When limit is exceeded on Sawtooth-2 due to value	Monitoring.Tests.LimitTest.IM02437_TestLimitWithLimitOperatorLessThan
11	10		Exception Image comparison is not successful when limit is exceeded on	Monitoring.Tests.LimitTest.IM02443_TestLimitWithLesserThanOperatorAndFixe
12	11		Exception Image comparison is not successful when limit is exceeded on Analog	Monitoring.Tests.LimitTest.IM02453_TestWhetherColorThresoldMonitoringCan
13	12		System.Runtime.InteropServices.COMExcepti	

## c. Execution Time Report Generation

Sorts the Tests In Descending Order Based On The Time Taken By each Test In a Test Run and creates Excel Report In Current Directory. ***Name of the Automated Test is used as identifier.***

1. Click On Browse Button and select the ***TestResult.xml*** file
2. Click On Generate Execution Time Report Button

Time Report.xlsx - Saved					
File Home Insert Page Layout Formulas Data Review View Add-ins Help					
A1 No.					
No.	Name Of the Automated Test Case	Time Taken In Minutes			
1	I.Tests.ImportAutosarTest.IM37214_TestSignalsFromSecuredPbusAreAvailableInTheAutosarImporter	7.795			
2	Conversion.Tests.ExportMeasurementTest.IM14768_performanceSaveOpenProject	6.911933333			
3	Protocol.Tests.ImportXCPTTest.IM38182_IpemotionResponseWhileImportingXcpCan	6.4668			
4	Monitoring.Tests.LimitTest.IM02437_TestLimitWithLimitOperatorLessThan	6.164816667			
5	Protocol.Tests.ImportCCPTTest.IM40076_TestToCheckA2IImport	5.5001			
6	Conversion.Tests.DataGroupTests.IM02768_TestAboutTrafficConvertingWithVtblDf	5.425933333			
7	Storage.Tests.StorageGroupTest.IM03046_TestMaximumCountOfStorageGroupAddedLiteEdition	4.358866667			
8	Conversion.Tests.DataGroupTests.IM35603_TestToCheckChannelValueCountInDatFile	4.184966667			
9	Control.Tests.SequenceControlTest.IM05028_TestConfigurationSequenceWithTrigger	3.977283333			
10	Scripting.Tests.ScriptingTest.IM15513_TestAddingAndDeletingANewScriptUsingALargeConfigurationFil	3.496766667			
11	Storage.Tests.StorageGroupTest.IM03129_TestMaximumCountOfStorageGroupAddedForStandardEditio	3.34395			
12	Storage.Tests.StorageGroupTest.Incomplete_IM02468_TestStorageFormatChangeToMDF	3.225816667			
13					

### iii. Re-Usability

- After the execution is finished, a new result file named **TestResults.txt** will be created in the Current directory with the new list of failures. This file could be reloaded to the application and re-executed.

### iv. Other Options

- a. Time Out of a test could be customized accordingly (**7200000ms by default**)
- b. Nunit Path and Exe File Names Could Be Customized

### v. Error Handling

**a. Nunit path shows path does not contain nunit-console.exe** : Please enter the path of nunit-console.exe file in you system and click save so that the path is saved permanently.

**b. Dll Not Found**: Please Rebuild the solution before starting the execution again.