# Test Results Excel Report

The function of reporting the test results in the Excel format is not an open source. It was developed in the e-government development framework development environment.

The style doesn't change when Ant or Maven is used, but if a customized template Excel file is used, the Excel report is created based on that style. For the basics, refer to <u>How to Create Excel Report</u>. For details on Test Results Excel Reporting, refer to <u>Test Results Excel Report Details</u>.

# Test Results Excel Report Creation Settings

The Excel format report uses the default template to create the above Excel report.

There are many settings, but if you don't set up, the default is used.

You can customize the Excel styles by creating a desired style template and setting the information and you can create reports in the format that you want per project. The usage is as follows.

### Maven Settings

Attribute	Default	Description
outputDirectory	\${project.build.directory}/egovtest	Directory where an Excel file is created
outputname	egovtest- junit.xls	Excel report tile
templatepath	template- junit.xls	Template Excel file location (full path). The default is provided by Jar
headerPosition - summary - packages - lists	" 0,A,4" " 0,A,8" " 1,A,4"	Excel table header location information for Summary, Package and TestCase Lists (sheet, column, row)

reportsDirectory \${project.build.directory}/surefire- reports Test Result XML file location

# Ant Settings

Attribute	Default	Description
todir	N/A	Directory where an Excel file is created
outputname	egovtest- junit.xls	Excel report tile
templatepath	template- junit.xls	Template Excel file location (full path). The default is provided by Jar
summary	" 0,A,4"	Excel table header location information for Summary (sheet, column, row)
packages	" 0,A,8"	Excel table header location information for Package (sheet, column, row)
lists	" 1.A.4"	Excel table header location information for TestCase Lists (sheet, column,
	, ,	row)
fileset	N/A	Test Result XML file location

### How to Customize Template File

When creating an Excel format report, you can create a template file to change the report style in each project. .

There are changeable and unchangeable contents:

- Changeable contents: Excel file style and header start location
- Unchangeable contents: Listed items and sequence

Classification	Items
Summary	Test, Errors, Failures, Skipped, Success Rate, Time (s)
Package	Test, Errors, Failures, Skipped, Success Rate, Time (s)
Lists	Package, Class, Test Case, Successes, Errors, Failures, Skipped, Time (s)

### Sample of Customized Template

As shown in the following figure, though the colors and contents are changed, the style will not change if you set the header information based on the default template.

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# Default template

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# Excel Report Created after Testing

The following is the details of the Excel report created after testing.

ltem	Description
Tests	Total number of TestCases
Errors	Total number of TestCases with errors
Failures	Total number of failed TestCases
Skipped	Total number of estCases not tested (TestCase with @lgnore)
Success Rate	Total percentage of successful TestCases
Time	Seconds spent to execute TestCase

- Using default setting
  - o Summary screen

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3	Summary								
4	name	Tests	Errors	Failures	Skipped	Success Rate	Time (s)		
5	all classes	44	6	0	4	77.27%	36.172		
6									
7	Package								
8	name	Tests	Errors	Failures	Skipped	Success Rate	Time (s)		
9	egovframework.dev.samples.guestbook.category.service	6	6	0	0	0.00%	2.984		
10	egovframework.dev.samples.junit4	6	0	0	2	66.67%	0.156		
11	egovframework.dev.samples.guestbook.service.impl	5	0	0	0	100.00%	3.313		
12	egovframework.dev.samples.guestbook.service.impl.jdbc	18	0	0	2	88.89%	16.859		
13	egovframework.dev.samples.guestbook.service.impl.hibernate	9	0	0	0	100.00%	12.860		
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• TestCase Lists screen

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	Package	Class	Test Case	Successes	Errors	Failures	Skipped	Time (s)	
1	egovframework.guideprogram.test.testcase.basic	AdvancedEqualityTest	testReflectionEqual	1	0	0	0	0.062	
E	egovframework.guideprogram.test.testcase.basic	AdvancedEqualityTest	testReflectionEqualLenientOrder	1	0	0	0	0.016	
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8	egovframework.guideprogram.test.testcase.basic	AdvancedEqualityTest	testAssertReflectionEqualsIgnoringOrder	1	0	0	0	0.000	
3	egovframework.guideprogram.test.testcase.basic	AdvancedEqualityTest	testAssertReflectionEqualsIgnoringDefault	1	0	0	0	0.000	
1	0 egovframework.guideprogram.test.testcase.basic	AdvancedEqualityTest	testAssertLenientEqualsIgnoreDefaultAndOrder	1	0	0	0	0.000	
1	1 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testAddUser_nullObject	1	0	0	0	0.015	
1	2 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testAddUser_nullString	1	0	0	0	0.000	
1	3 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testNullObject	1	0	0	0	0.000	
1	4 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testObjectBoundary	1	0	0	0	0.016	
1	5 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testZeroNumericValue	1	0	0	0	0.000	
1	6 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testMinNumericValue	1	0	0	0	0.000	
1	7 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testMaxNumericvalue	1	0	0	0	0.015	
1	8 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testNullString	1	0	0	0	0.000	
1	9 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testEmptyString	1	0	0	0	0.000	
2	0 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testMaxStringLength	1	0	0	0	0.000	
2	1 egovframework.guideprogram.test.testcase.basic	BoundaryTest	testMinStringLength	1	0	0	0	0.031	
2	2 egovframework.guideprogram.test.testcase.basic	ConstructorTest	testDefaultConstructor	1	0	0	0	0.016	
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2	<ul> <li>enovframework quideprogram test testcase basic</li> <li>&gt; H\Summary\Lists/</li> </ul>	ConstructorTest	ItestConstructorTwoAros	1	1 0	<mark>۱ ۱</mark>	۱ ۱	0 000	1
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• Using customized template

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5		Summary						
6		이름	테스트 수	에러 수	실패 수	Skipped	성공률	<u>시간 (초)</u>
7		all classes	44	6	0	4	77.27%	36.172
8								
9								
10		Package						
11		이름	테스트 수	에러 수	실패 수	Skipped	성공률	<u>시간 (초)</u>
12		egovframework.dev.samples.guestbook.category.service	6	6	0	0	0.00%	2.984
13		egovframework.dev.samples.junit4	6	0	0	2	66.67%	0.156
14		egovframework.dev.samples.guestbook.service.impl	5	0	0	0	100.00%	3.313
15		egovframework.dev.samples.guestbook.service.impl.jdbc	18	0	0	2	88.89%	16.859
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5	Package	Class	Test Case	성공	에러	실패	Skipped	시간 (초)
6	egovframework.dev.samples.guestbook.category.service	EgovTxServiceImplTest	testSelectCount	0	1	0	0	1.453
7	egovframework.dev.samples.guestbook.category.service	EgovTxServiceImplTest	testSelectList	0	1	0	0	0.063
8	egovframework.dev.samples.guestbook.category.service	EgovTxServiceImplTest	testInsert	0	1	0	0	0.094
9	egovframework.dev.samples.guestbook.category.service	EgovTxServiceImplTest	testInsertDupException	0	1	0	0	0.203
10	egovframework.dev.samples.guestbook.category.service	EgovTxServiceImplTest	testSelect	0	1	0	0	0.094
11	egovframework.dev.samples.guestbook.category.service	EgovTxServiceImplTest	testDelete	0	1	0	0	0.140
12	egovframework.dev.samples.guestbook.service.impl	EgovServiceImplTest	testSelectCount	1	0	0	0	1.281
13	egovframework.dev.samples.guestbook.service.impl	EgovServiceImplTest	testSelectList	1	0	0	0	0.656
14	egovframework.dev.samples.guestbook.service.impl	EgovServiceImplTest	testInsert	1	0	0	0	0.047
15	egovframework.dev.samples.guestbook.service.impl	EgovServiceImplTest	testDelete	1	0	0	0	0.031
16	egovframework.dev.samples.guestbook.service.impl	EgovServiceImplTest	testSelectCountZero	1	0	0	0	0.016
17	egovframework.dev.samples.guestbook.service.impl.hibernate	EgovHibernateDaoTest	testSelectCount	1	0	0	0	10.234
18	egovframework.dev.samples.guestbook.service.impl.hibernate	EgovHibernateDaoTest	testSelectList	1	0	0	0	0.609
19	egovframework.dev.samples.guestbook.service.impl.hibernate	EgovHibernateDaoTest	testInsert	1	0	0	0	0.187
20	egovframework.dev.samples.guestbook.service.impl.hibernate	EgovHibernateDaoTest	testInsertDupException	1	0	0	0	0.360
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