

About Compatibility Test Suite

Introduction

Compatibility Test Suite (CTS) is a test tool for Android product compatibility testing. The source code can be found on the Android GitWeb.

<http://android.git.kernel.org/?p=platform/cts.git;a=summary>

Test Plan

In android-2.1_r1 tag, there are 8 types of test plans and each plan includes test packages as shown below.

Plan Name	Package Name
Ref	App android.apidemos.cts
App	Security android.tests.appsecurity
Java	android.core.tests.annotation
	android.core.tests.archive
	android.core.tests.concurrent
	android.core.tests.crypto
	android.core.tests.dom
	android.core.tests.logging
	android.core.tests.luni.io
	android.core.tests.luni.lang
	android.core.tests.luni.net
	android.core.tests.luni.util
	android.core.tests.math
	android.core.tests.nio
	android.core.tests.nio_char
	android.core.tests.prefs
	android.core.tests.regex
	android.core.tests.security
	android.core.tests.sql
	android.core.tests.text
	android.core.tests.xml
	android.core.tests.xnet
CTS	android.apidemos.cts
	android.accounts
	android.app
	android.bluetooth
	android.content
	android.database
	android.dpi
	android.dpi2

android.example
android.gesture
android.graphics
android.hardware
android.jni
android.location
android.media
android.net
android.os
android.permission2
android.permission
android.provider
android.speech
android.telephony
android.text
android.util
android.view
android.webkit
android.widget
android.tests.sigtest
android.core.tests.annotation
android.core.tests.archive
android.core.tests.concurrent
android.core.tests.crypto
android.core.tests.dom
android.core.tests.logging
android.core.tests.luni.io
android.core.tests.luni.lang
android.core.tests.luni.net
android.core.tests.luni.util
android.core.tests.math
android.core.tests.nio
android.core.tests.nio_char
android.core.tests.prefs
android.core.tests.regex
android.core.tests.security
android.core.tests.sql
android.core.tests.text
android.core.tests.xml

	android.core.tests.xnet
	android.core.vm-tests
	android.tests.appsecurity
Performance	android.performance2
	android.performance3
	android.performance4
	android.performance5
	android.performance
Signature	android.tests.sigtest
Android	android.apidemos.cts
	android.accounts
	android.app
	android.bluetooth
	android.content
	android.database
	android.dpi
	android.dpi2
	android.example
	android.gesture
	android.graphics
	android.hardware
	android.jni
	android.location
	android.media
	android.net
	android.os
	android.permission2
	android.permission
	android.provider
	android.speech
	android.telephony
	android.text
	android.util
	android.view
	android.webkit
	android.widget
	android.tests.appsecurity
VM	android.core.vm-tests

Result

- MS7724 is not a perfectly compatible platform for Android because it does not have a 3D accelerator, WiFi, GPS and others necessary sensors. Though it will still pass most of the test in the CTS. One of the test plan result of CTS on MS7724 is as below.

```
Android plan:
pass=5176  fail=32  timeOut=0  notExecuted=0  Total=5208
```

Please download below archive for detail test result. Unzip and open testResult.xml in your browser.

2010.04.30_09.38.35.zip

Test Summary by Package

Test Package	Passed	Failed	Timed Out	Total Tests
ApiDemosReferenceTest	1	0	0	1
CtsAccountManagerTestCases	2	0	0	2
CtsAppTestCases	274	0	0	274
CtsBluetoothTestCases	2	0	0	2
CtsContentTestCases	513	0	0	513
CtsDatabaseTestCases	248	0	0	248
CtsDpiTestCases	9	0	0	9
CtsDpiTestCases2	0	0	0	0
CtsExampleTestCases	2	0	0	2
CtsGestureTestCases	29	0	0	29
CtsGraphicsTestCases	837	1	0	838
CtsHardwareTestCases	9	2	0	11
CtsJniTestCases	59	2	0	61
CtsLocationTestCases	82	4	0	86
CtsMediaTestCases	95	5	0	100
CtsNetTestCases	75	1	0	76
CtsOsTestCases	281	1	0	282
CtsPermission2TestCases	8	2	0	10
CtsPermissionTestCases	114	0	0	114
CtsProviderTestCases	84	1	0	85
CtsSpeechTestCases	0	2	0	2
CtsTelephonyTestCases	56	2	0	58
CtsTextTestCases	594	3	0	597
CtsUtilTestCases	80	0	0	80
CtsViewTestCases	575	3	0	578
CtsWebkitTestCases	161	1	0	162
CtsWidgetTestCases	981	2	0	983
android.tests.appsecurity	5	0	0	5