

MEDIATEK

**CTS Waive Report
[tests.targets.security.cer
t.CertificateTest
#testVerifyMD2_chain &
#testVerifyMD5_chain]**

Overview

- Test Environment
 - CTS 6.0_r9
- Android Version
 - M
- Test Package
 - CtsLibcoreTestCases
- TestCase
 - tests.targets.security.cert.CertificateTest#testVerifyMD2_chain
 - tests.targets.security.cert.CertificateTest#testVerifyMD5_chain
- Testcase File
 - libcore/luni/src/test/java/tests/targets/security/cert/CertificateTest.java
- Fail Rate
 - Always fail after **Nov 7 23:59:59 2016 GMT** (certificate expired)

Description

- Certificate embedded in test case (CertificateTest.java) will expired then cause test case failed.
- **signedCert1Chain1** will expired after **Nov 7 23:59:59 2016 GMT**
- **signedCert1Chain2** will expired after **Nov 16 23:59:59 2016 GMT**

Reference platform result

- Device name
 - Nexus 5
- Build Version
 - MOB30M
- Test result
 - Always failed with same output log



2016.11.09_14.20.32.rar



2016.11.09_14.20.32.zip

Analysis Report

```
TestRunner: started: testVerifyMD2_chain(tests.targets.security.cert.CertificateTest)
CtsTestRunListener: In finally
CtsTestRunListener: Now executing : tests.targets.security.cert.CertificateTest
TestRunner: failed: testVerifyMD2_chain(tests.targets.security.cert.CertificateTest)
TestRunner: ----- begin exception -----
TestRunner: com.android.org.bouncycastle.jce.exception.CertPathValidatorException:
    Could not validate certificate: Certificate expired at Tue Nov 08 07:59:59 GMT+08:00 2016 (compared to Wed Nov 09 13:18:12 GMT+08:00 2016)
TestRunner:     at com.android.org.bouncycastle.jce.provider.RFC3280CertPathUtilities.processCertA(RFC3280CertPathUtilities.java:1319)
TestRunner:     at com.android.org.bouncycastle.jce.provider.PKIXCertPathValidatorSpi.engineValidate(PKIXCertPathValidatorSpi.java:341)
TestRunner:     at java.security.cert.CertPathValidator.validate(CertPathValidator.java:191)
TestRunner:     at tests.targets.security.cert.CertificateTest.testVerifyMD2_chain(CertificateTest.java:634)
TestRunner:     at java.lang.reflect.Method.invoke(Native Method)
TestRunner:     at junit.framework.TestCase.runTest(TestCase.java:168)
TestRunner:     at junit.framework.TestCase.runBare(TestCase.java:134)
TestRunner:     at junit.framework.TestResult$1.protect(TestResult.java:115)
TestRunner:     at android.support.test.internal.runner.junit3.AndroidTestResult.runProtected(AndroidTestResult.java:77)
TestRunner:     at junit.framework.TestResult.run(TestResult.java:118)
TestRunner:     at android.support.test.internal.runner.junit3.AndroidTestResult.run(AndroidTestResult.java:55)
TestRunner:     at junit.framework.TestCase.run(TestCase.java:124)
TestRunner:     at android.support.test.internal.runner.junit3.NonLeakyTestSuite$NonLeakyTest.run(NonLeakyTestSuite.java:63)
TestRunner:     at android.support.test.internal.runner.junit3.AndroidTestSuite$1.run(AndroidTestSuite.java:98)
TestRunner:     at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:423)
TestRunner:     at java.util.concurrent.FutureTask.run(FutureTask.java:237)
TestRunner:     at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1113)
TestRunner:     at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:588)
TestRunner:     at java.lang.Thread.run(Thread.java:818)
TestRunner: Caused by: java.security.cert.CertificateExpiredException: Certificate expired at Tue Nov 08 07:59:59 GMT+08:00 2016
    (compared to Wed Nov 09 13:18:12 GMT+08:00 2016)
TestRunner:     at com.android.org.conscrypt.OpenSSLX509Certificate.checkValidity(OpenSSLX509Certificate.java:234)
TestRunner:     at com.android.org.bouncycastle.jce.provider.RFC3280CertPathUtilities.processCertA(RFC3280CertPathUtilities.java:1514)
TestRunner:     ... 18 more
TestRunner: ----- end exception -----
TestRunner: finished: testVerifyMD2_chain(tests.targets.security.cert.CertificateTest)
MonitoringInstrumentation: Activities that are still in CREATED to STOPPED: 0
TestRunner: run finished: 1 tests, 1 failed, 0 ignored
```

Mediatek Suggestion

- Update the certificate which embedded in test case

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Attachment checklist

- CTS report
- Full log file in this slide
- Nexus 5 failed log and report



2016.11.09_13.19.16.zip



device_logcat_6311820779384277356.zip



2016.11.09_14.20.32.rar



2016.11.09_14.20.32.zip