



TIZEN™

**Native TCT 2.4
EFL UTC User Guide**

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1. Environment setup

1.1. Symbols and abbreviations

UTC	– Unit Test Cases
GBS	– Git Build System
SDB	– Smart Development Bridge
\$ (in shell command)	– Login shell in your computer
# (in shell command)	– Login shell in Tizen device via SDB
{Option}	– For target device, {Option} = armv7l

1.2. Hardware Requirements

1. Linux or Windows PC which can run SDB tool.
2. Tizen device that will work as target on which TCs will be executed
3. USB Cable for connecting device to host

1.3. Software Requirements

1. SDB tool to connect into Tizen device. (Tizen 2.4 SDK contains it)

2. Installing the EFL UTC Package

2.1. Get EFL Binary from Download site

http://download.tizen.org/tct/2.4/NATIVE_TCT/2.4_r1/native-tct_2.4_rXX.zip

```
$ unzip native-tct_2.4_rXX.zip
```

```
$ cd native-tct_2.4_rXX/EFL
```

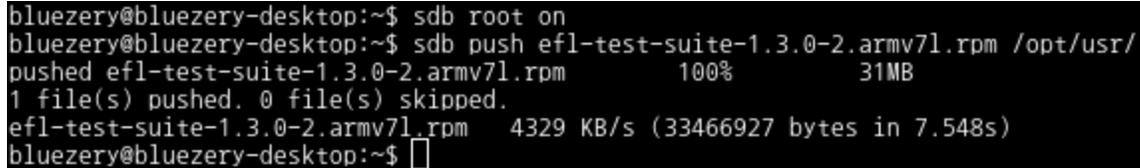
2.2. Push EFL UTC package into Tizen device

Enable sdb root mode:

```
$sdb root on
```

Push EFL UTC package into Tizen device:

```
$sdb push efl-test-suite-1.3.0-2.{Option}.rpm /opt/usr
```



```
bluezery@bluezery-desktop:~$ sdb root on
bluezery@bluezery-desktop:~$ sdb push efl-test-suite-1.3.0-2.armv7l.rpm /opt/usr/
pushed efl-test-suite-1.3.0-2.armv7l.rpm      100%      31MB
1 file(s) pushed. 0 file(s) skipped.
efl-test-suite-1.3.0-2.armv7l.rpm    4329 KB/s (33466927 bytes in 7.548s)
bluezery@bluezery-desktop:~$
```

Figure 1: EFL UTC Push

2.3. Login to Tizen device via SDB and install EFL UTC package

Login to Tizen device:

```
$sdb shell
```

Install EFL UTC using rpm command:

```
#mount -o remount,rw /
```

```
#cd opt/usr
```

```
#rpm -Uvh efl-test-suite-xxx.{Option}.rpm --force --nodeps
```

```
perforce@sohyun-Samsung-DeskTop-System:~/Desktop$ sdb shell
sh-4.1# mount -o remount,rw /
sh-4.1# cd opt/usr
sh-4.1# rpm -Uvh --force --nodeps efl-test-suite-1.3.0-2.armv7l.rpm
reading device security policy from /etc/device-sec-policy
package ac_domain-system defined ac domain Isolated
package ac_domain-system defined ac domain ^
package ac_domain-system defined ac domain *
package ac_domain-system defined ac domain _
allowing ac_domain Isolated provided in root for root
allowing ac_domain ^ provided in root for root
allowing ac_domain * provided in root for root
allowing ac_domain _ provided in root for root
allowing ac_domain Isolated provided in root for _default_
allowing ac_domain ^ provided in root for _default_
allowing ac_domain * provided in root for _default_
allowing ac_domain _ provided in root for _default_
package org.tizen.helloworldnocert defined ac domain org.tizen.helloworldnocert
allowing ac_domain org.tizen.helloworldnocert provided in _default_ for root
allowing ac_domain org.tizen.helloworldnocert provided in _default_ for _default_
package sprd-wcnd defined ac domain wcnd
allowing ac_domain wcnd provided in _default_ for root
allowing ac_domain wcnd provided in _default_ for _default_
package vc-engine-default defined ac domain vc-engine-default
allowing ac_domain vc-engine-default provided in _default_ for root
allowing ac_domain vc-engine-default provided in _default_ for _default_
package privilege-checker defined ac domain privilege-checker
allowing ac_domain privilege-checker provided in _default_ for root
allowing ac_domain privilege-checker provided in _default_ for _default_
package vc-engine-default defined ac domain vc-engine-default
```

Figure 2: EFL UTC Install

3. Execute Test Suites

3.1. Run EFL UTC

Before execute this, swipe off lock screen and check if LCD is on now.

Run EFL UTC on Tizen device:

```
# cd /opt/usr/efl-test-suite/TC
```

```
# ./execute.sh mobile
```

```
sh-3.2# cd opt/usr/efl-test-suite/TC
sh-3.2# ./execute.sh mobile
Starts the test for Mobile Profile scenarios
Start checking current machine...
arm7l is running...
[vconf] ***** set key db/setting/lcd_backlight_normal - value : 0
tcc: journal file is /opt/usr/efl-test-suite/TC/results/exec-tar-result-1445390649.journal
10:24:10 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_run
10:24:12 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_feedback_run
10:24:14 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_cancel
10:24:16 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_check
10:24:18 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_global_data_add
10:24:19 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_global_data_del
10:24:20 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_global_data_find
10:24:21 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_max_set
10:24:22 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_max_get
10:24:23 Execute /ecore/ecore_thread/utc_UIFW_ecore_thread_active_get
```

Figure 3: EFL UTC Run

3.2. View Result Summary

Get results from Tizen device to your computer:

```
$sdb pull /opt/usr/efl-test-suite/TC/results/
```

View results via browser:

```
$google-chrome exec-tar-result-xxxx.html
```

```
bluezery@bluezery-desktop:~/results$ sdb pull /opt/usr/efl-test-suite/TC/results/
pulled exec-tar-result-1416210274.journal      100%      28KB
pulled exec-tar-result-1416210213.html 100%      38KB
pulled exec-tar-result-1416210213.journal    100%      16KB
pulled exec-tar-result-1416210274.html 100%      62KB
pulled build-tar-result-1416198615.journal   100%      2MB
pulled          journal 100%      2MB
6 file(s) pulled. 0 file(s) skipped.
/opt/usr/efl-test-suite/TC/results/ 3381 KB/s (5584245 bytes in 1.612s)
bluezery@bluezery-desktop:~/results$ google-chrome exec-tar-result-1416210213.html
[25188:25188:1117/164646:ERROR:nss_util.cc(853)] After loading Root Certs, loaded==false:
NSS error code: -8018
Created new window in existing browser session.
bluezery@bluezery-desktop:~/results$
```

Figure 4: Get EFL UTC Results

TETware Test Run Report

TETware version: 3.7-lite
System Information: Linux KIRAN 3.10.17 #1-Tizen SMP PREEMPT Wed Nov 12 14:21:50 UTC 2014 armv7l
Date of test run: 2014-11-13
Start time: 14:35:26

Execute mode summary

Result Code	Count
PASS	5247
Total	5247

Inline report

/ecore/ecore_thread/utc_UIFW_ecore_thread_run [execute]

Captured Output

- 700|ICCOUNT=2

Information lines

- [[TET_MSG]]: ===== Startup =====
- [[TET_MSG]]: ===== Cleanup =====

IC	TP	Result	Information lines
1	1	PASS	<ul style="list-style-type: none">[TET_PASS]: utc_UIFW_ecore_thread_run.c[173]: Test has passed..
2	2	PASS	<ul style="list-style-type: none">[TET_PASS]: utc_UIFW_ecore_thread_run.c[219]: Test has passed..

Figure 5: View EFL UTC Results