

TIZEN

Native TCT 2.4 UTC_ITC_CTC User Guide

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1. Environment setup

1.1. Symbols and abbreviations

тс	- Test Case
ТСТ	- Tizen Compliance Test
SDB	- Smart Development Bridge
<name></name>	- Mandatory argument
[name]	- Optional argument
\$ (in shell command)	- Indicates the beginning of a command
\ (in shell command)	- In long commands, the backslash character ensures that newline character is ignored (if you join consecutive lines, please remove unnecessary backslashes)

1.2. Hardware Requirements

- 1. PC or Laptop that will work as host on which TCT-Manager will be installed
- 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. Install 32 or 64 bit Ubuntu OS.
- 2. Install JDK 1.6 or newer version on Linux PC.
- 3. Install Tizen 2.4 SDK on Linux PC for SDB connection.
- 4. These packages should be installed before installing TCT-Manager
 - ~\$ sudo apt-get install rpm2cpio
 - ~\$ sudo apt-get install tree
 - ~\$ sudo apt-get install python-pip
 - ~\$ sudo apt-get install python-support
 - ~\$ sudo apt-get install python-requests

~\$ sudo apt-get install python-setuptools

5. libudev1 or libudev-dev package should be installed for SDB.

First find the library 'libudev' installation location using command:

• ~\$ cd /lib/

\$ find . -type f - name "libudev*"



Figure 1. Getting location of libudev

If the package is not properly linked, use the following command:

- ~\$ sudo In -s /lib/<installation-folder>/libudev.so.<version> /lib/<installation-folder>/libudev.so.0
- e.g. ~\$ sudo In -s /lib/i386-linux-gnu/libudev.so.0.13.0 /lib/i386-linux-gnu/libudev.so.0

2. Getting TCT-binary and TCT-manager

2.1. Download TCT binary

Download TCT binary from site :

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

~\$ unzip native-tct_2.4_rXX.zip

~\$ cd native-tct_2.4_rXX/TCT/native-tct-2.4

Native TCT packages are already built and inside in native-tct-2.4/package/mobile folder. You can find zip files in there.

2.2. Tools Permission

Execute the following command and give access permission to all contents inside tools.

~\$ sudo chmod 777 -R native-tct-2.4

2.3. Folder structure

You will find the folder structure like below:

•	Home	TCT-Executio	n native	-tct-2.4		
nativ	e-tct-2.4				×	RPMS
Name		*	Size	Туре	Date Modified	
-	package		4 items	folder	Wed 07 Oct 2015 12:09:	49 PM BDT
•	mobile		0 items	folder	Thu 17 Sep 2015 02:43:5	7 PM BDT
•	pkg_info	os	3 items	folder	Wed 07 Oct 2015 12:09:	49 PM BDT
•	tv		0 items	folder	Fri 12 Dec 2014 10:31:02	AM BDT
•	wearabl	e	0 items	Folder	Wed 25 Feb 2015 08:12:	10 AM BDT
-	resource		7 items	folder	Wed 07 Oct 2015 12:09:4	49 PM BDT
•	testkit-s	tub	2 items	Folder	Wed 07 Oct 2015 12:09:4	49 PM BDT
•	tinyweb		2 items	folder	Wed 07 Oct 2015 12:09:	49 PM BDT
	getCap.	wgt	20.6 kB	Zip archive	Thu 06 Nov 2014 11:46:4	8 AM BDT
The second	getCapA	Arm	137.7 kB	shared library	Thu 06 Nov 2014 11:46:4	8 AM BDT
100	getCap>	(86	138.3 kB	shared library	Thu 06 Nov 2014 11:46:4	8 AM BDT
	TC_Conf	fig.txt	825 bytes	plain text document	Thu 01 Oct 2015 10:34:1	9 AM BDT
	tct-testo	config-2.4.zip	97.1 kB	Zip archive	Thu 01 Oct 2015 10:36:0	3 AM BDT
r 📄	tools		13 items	folder	Wed 07 Oct 2015 12:09:4	49 PM BDT
•	manage	r	4 items	folder	Wed 07 Oct 2015 12:09:	49 PM BDT
•	sdb		2 items	folder	Wed 07 Oct 2015 12:09:	49 PM BDT
•	shell		15 items	Folder	Wed 07 Oct 2015 12:09:	49 PM BDT
•	testkitli	te	12 items	folder	Wed 07 Oct 2015 12:09:	49 PM BDT
The second se	conf-dev	vice	44 bytes	shell script	Fri 21 Nov 2014 02:36:02	PM BDT
1 AL	conf-hos	st	109 bytes	shell script	Fri 21 Nov 2014 02:36:02	PM BDT
100	full_pkg	_generator	432 bytes	shell script	Thu 10 Sep 2015 11:40:3	6 AM BDT
	healthch	neck.ini	151 bytes	plain text document	Fri 21 Nov 2014 02:36:02	PM BDT
	tct-conf	ig-device.py	20.6 kB	Python script	Thu 02 Jul 2015 01:13:20	PM BDT
	tct-conf	ig-host.py	9.7 kB	Python script	Thu 10 Sep 2015 11:41:2	7 AM BDT
	tct-mar		492 bytes	shell script	Thu 10 Sep 2015 11:41:0	9 AM BDT

Figure 2. TCT-Manager folder structure

The following table describes the folders contents.

Folder	Description
package	All the packages to be tested in device
resource	Required resources for TCT manager
tools	Contains installation scripts for host and device

Table 1. TCT-Manager folders

2.4. For Host Configuration:

1. Clean the environment if an older version of TCT-Manager exists in host

~/native-tct-2.4/tools/\$ sudo ./conf-host --purge

2. Set environment on your host

~/native-tct-2.4/tools/\$ sudo ./conf-host



Figure 3. Host Installation

2.5. For Device Configuration:

- 1. Connect the target device to host (PC) through USB.
- 2. Remount system as read-write.

~\$ sdb root on

~\$ sdb shell

~\$ mount -o remount,rw /

3. Clean the environment if an older version of TCT-Manager configuration file exists in target device

~/native-tct-2.4/tools/\$ sudo ./conf-device --purge

4. Set environment on your target

~/native-tct-2.4/tools /\$ sudo ./conf-device



Figure 4. Device Installation

Note:- We recommend to use --purge option (like clean) for getting fresh execution environment

If you face any problems, you should do as root.

3. Execute Test Suites

3.1. Run TCT-Manager:

Execute the following command:

~\$ tct-mgr

Settings <u>H</u> elp	n Compliance Tests							
Pla	an	Exe	cute	Re	ports		TIZ Compl	EN ^{\$}
Tizen Ver:	tizen_native_2.4	•	Test Plan:		СТС	•	Run	
Profile:	mobile	•	Execution	Туре:	All	~	Pre-Configure	BAT
66								
▼ □ All				Automated	Manual	Total	Version	Ô
Compation	ibilityTestCases							
Integration	tionTestCases							
V 🗌 UnitTes	tCases							
tct-acc	counts-svc-native-utc			147	0	147	2.4	
tct-ap	p-manager-native-uto			121	0	121	2.4	0
tct-ap	pcore-agent-native-ut	C		11	0	11	2.4	
tct-ap	pcore-widget-native-u	ıtc		20	0	20	2.4	
tct-ap	plication-native-utc			269	0	269	2.4	
tct-att	ach-panel-native-utc			24	0	24	2.4	
🗌 tct-au	dio-io-native-utc			72	0	72	2.4	
🗌 tct-ba	dge-native-utc			25	0	25	2.4	
🗌 tct-ba	se-utils-native-utc			885	0	885	2.4	
🗌 tct-blu	etooth-native-utc			338	0	338	2.4	
tct-bu	ndle-native-utc			53	0	53	2.4	
🗌 tct-cai	ro-native-utc			24	0	24	2.4	
tct-cal	endar-service2-native	-utc		149	0	149	2.4	
🗌 tct-car	mera-native-utc			348	0	348	2.4	
tct-cap	oi-maps-service-native	e-utc		296	0	296	2.4	
tct-car	ni-media-tool-native-u	tc		109	0	109	2.4	

Figure 5. TCT-Manager UI

3.2. Choose Profile:

Choose your profile from profile combo box.



Figure 6. Select Profile

3.3. Choose Target:

Choose your target from **Settings > Choose Device:**

Settings <u>H</u> elp	Compliance Tests		
Choose <u>D</u> evice Set Timeout	n	Execu	ıte
Tizen Ver:	tizen_native_2.4	~	Test Pla
Profile:	mobile	•	Executi

Figure 7. Choose device in TCT-Manager UI

©⊜⊙ Tiz Settings Hel	en Compliance Test p	s					
P	Plan	Execute	F	eports			N ce
Tizen Ver:	tizen_native_2.4	▼ Test F	Plan:	СТС	*	Run	
Profile:	mobile	. ■ Ехеси	tion Type:	All	v	🗌 Pre-Configure 🗌 B	AT
66							
All Comp. Difference	atibilityTestCases	Device Selecti	Automat	ed Manual	Total	Version	•
tct-a	accounts-svc-nati	ose target de	vice	00005200	47	2.4	
tct-a	app-manager-nat () appcore-agent-na appcore-widget-n	evice].device-1	OK		21	2.4 2.4 2.4	
tct-a	application-native-utc		269	0	269	2.4	

Figure 8. Device selection in TCT-Manager

3.4. Execution by Creating a New Plan:

- 1. Select suites by checking boxes from trees.
- 2. Choose profile.
- 3. Select Execution Type to 'All'.
- 4. Click button 'Run'. Leave Pre-Configure box unchecked at first time.
 - ※ If you check the box from second time, pre-configurations will be set as default.
- 5. Press 'Run' button.
- 6. Create a new test plan.
- 7. Input new plan name and then click 'OK'.

Settings Help	en Compliance Test:	s					
P	lan	Execute	Re	ports			\$5 6
Tizen Ver:	tizen_native_2.4	▼ Test Plan:		стс	•	Run	
Profile:	mobile	* Execution	Туре:	All	•	Pre-Configure BA	т
66							
M All				Manual		Version	ĉ
🔻 🗹 Compa	atibilityTestCases	🧧 Test Plan Char	nged				
🗹 tct-a	udio-io-native-ctc	Changes have been r	nade to the	test plan '(CTC'. 1	2.4	Ξ
🗹 tct-ca	amera-native-ctc	What would you like t	o to?		1	2.4	
🗹 tct-co	onnection-native-ctc				1	2.4	U
🕑 tct-d	evice-native-ctc	Overrid	e 'CTC' plan		1	2.4	
🕑 tct-fil	lesystem-permission-r	Create	a new plan		32	2.4	
🗹 tct-in	nage-util-native-ctc	O Exacute	e as 'temp' p	olan	2	2.4	
🗹 tct-lik	ostorage-native-ctc				2	2.4	
🛃 tct-lo	cation-manager-nativ	Cancel		ok	1	2.4	
🕑 tct-m	ediacodec-native-ctc				1	2.4	
🗹 tct-o	pengl-native-ctc		3	0	3	2.4	
tot a	lattern corniscion pa	tive sta	25	0	25	n 4	

Figure 9. Creating a new plan in TCT-Manager



Figure 10. Input plan name in TCT-Manager

3.5. Perform Health check:

As shown in Figure 11, health check routines will be invoked to check the status of the target before executing the selected test suites. After all health check routines pass, TCT-Manager runs selected test suites.

CO Tizer	S 🖨 🗊 Tizen Compliance Tests						
<u>S</u> ettings <u>H</u> elp							\$2
Pla	an	Execute	Re	eports		TIZE Complian	N
Tizen Ver:	tizen_native_2.4	▼ Test Plan:		тст	~	Run	
Profile:	mobile	- Execution T	vne:			Pre-Configure	BAT
66	Perfo	rming health check					
🗹 tct-scr	een-mirroring checkin	g process tiny web[a process testkit-stub	pass]			2.4	*
🗹 tct-ser	nsor-native-ut checkin	g testconfig tool	[[0055]			2.4	
🗹 tct-ser	rvice-adaptor-					2.4	
🗹 tct-sho	ortcut-native-u					2.4	
🗹 tct-sm	artcard-native					2.4	
🗹 tct-sou	und-manager-					2.4	
🛃 tct-stt	-native-utc					2.4	
🛃 tct-syr	nc-manager-na					2.4	
🛃 tct-sys	stem-info-nativ					2.4	
🛃 tct-sys	stem-settings-					2.4	
🗹 tct-tbr	n-native-utc					2.4	
🗹 tct-tel	ephony-native-utc		159	0	159	2.4	
🕑 tct-thu	umbnail-util-native-uto		14	0	14	2.4	
🕑 tct-tor	ne-player-native-utc		5	0	5	2.4	
👿 tct-tra	ce-native-utc		5	0	5	2.4	\cap
tet the	nativo uto		104	0	104	0.4	

Figure 11. Health check monitoring after execution Run in TCT-Manager

3.6. Edit Pre-Configuration File:

If you execute any package which needs pre-condition, a dialog is displayed to show the configurable parameters for testing as shown in Figure 12. Change the values of parameters as per the test environment and press 'Continue'. For e.g. value of EMAIL_RECIPIENT should be set as the email address of recipient to which email should be sent. Before running TCT, leave Pre-Configure box unchecked.

	zen Compliance Tests	
<u>S</u> ettings <u>H</u>	e 😣	
	Please check the pre-configuration of TCT	
Duefiles	WIFI_WPSACCESSPOINTNAME	Inpitance
Profile:	WIFI_EAPACCESSPOINTNAME	Run
Test Plan:	EMAIL_RECIPIENT	
1001110	MESSAGES_MOBILE_NUMBER	Pro Configuro
Execution	URLDOWNLOAD_DOWNLOADURL	j Fre-conligure
	URLDOWNLOAD_URLWITHETAG	
u⊡ u≘	URLDOWNLOAD_URL	
	PLAYER_DOWNLOAD_URL	n Ó
V 🗹 Com	PLAYER_DOWNLOAD_PROGRESS_URL	=
₩ tct-	tct-player-native-utc	U
₩ tct-	1.Down Notification bar > Enable Wi-Fi OR Mobile DataPLAYER_DOWNLOAD_PROGRESS_URL 2.Set PLAYER DOWNLOAD PROGRESS URL Configure.	
₩ tct-	tet blueteeth pative ite	
₩ tct-	1.If Supported, Bluetooth should be enabled.	
₩ tct-	f 2.Down Notification bar > Enable Bluetooth.	
₩ tct-	tct-url-download-native-utc	
₩ tct-	2.Down Notification bar > Enable Mobile Data.	
₩ tct-	3.Set URLDOWNLOAD_URL,URLDOWNLOAD_DOWNLOADURL,URLDOWNLOAD_URLWITHETAG	
₩ tct-	tet will direct pating its	
₩ tct-	1. Wifi should not be connected.	
₩ tct-	tct-email-native-utc	
₩ tct-	1.Settings > Accounts > Email > Set created accounts. 2.EMAL_RECIPIENT - Created amail accounts.	
🗹 tct-		
🗹 tct-	tct-bluetooth-native-utc I.If Supported, Bluetooth should be enabled.	
🗹 tct-	2.Down Notification bar > Enable Bluetooth	
🗹 tct-	s	
🗹 tct-	t Continue Concel	
🗹 tct-		
🗹 tct-	wifi-direct-native-ctc 1 0 1 2.3.1	-

Figure 12. Edit Pre-Configuration file before execution.

Below is the pre-requisites list of individual modules suggesting the necessary changes in configuration values:-

UTC		
Packages	Pre-requisites	DEVICE [How to find Information]
bluetooth	If Supported, Bluetooth should be enabled.	*Down Notification bar > Enable Bluetooth
camera	If Supported, Camera should be working.	*If there is no H/W camera, please connect USB samsung camera. *For TV profile, please connect USB samsung TV camera.
capi-maps- service	Get credential app_id and app_code from HERE developer site(https://developer.here.com).	[Set the Pre-Configure dialog of TCT- Manager UI] *MAPS_PROVIDER_KEY : app_id/app_code ex) abcd/1234



contacts- service2	If Supported, SIM Card should be inserted.	*Insert SIM card. *SDN information should be written in SIM Card. (Only allow to write this information to tele- company) *Contacts > Select Sim > Save Contact Information.
connection	If Supported, Enable Wi-Fi If Supported, Enable Mobile Data Network	*Down Notification bar > Enable Wi-Fi. *Down Notification bar > Enable Mobile Data.
email	Must be set an email account.	*Settings > Accounts > Email > Set created accounts [Set the Pre-Configure dialog of TCT- Manager UI] *EMAIL_RECIPIENT : Created email account
location-	If Supported, GPS should be enabled.	*Down Notification bar > Enable GPS
messages	If Supported, SIM Card (call, message, data network) should be inserted.	*Insert SIM Card [Set the Pre-Configure dialog of TCT- Manager UI] *MESSAGES_MOBILE_NUMBER ex) +821012345678
media-content	If Supported, SD card should be inserted.	*Insert SD card.
nfc	If Supported, NFC should be ON.	*Down Notification bar > Enable NFC
player	Must be connected to internet using Wi-Fi or data network.	*Down Notification bar > Enable Wi-Fi OR Down Notification bar > Enable Mobile Data [Set the Pre-Configure dialog of TCT- Manager UI] *PLAYER_DOWNLOAD_URL ex) http://www.archive.org/download/WaltzingMathil da-avi/WaltzingMathilda320X240_512kb.mp4 *PLAYER_DOWNLOAD_PROGRESS_URL ex) http://content.bitsontherun.com/videos/ntPYsD4 L-1ahmry41.mp4
push	If Supported, Enable Wi-Fi or Data Network. Get push app id and app secret. - App ID is basic identification string value to register your application to Push server. Push server identify your application package identify your App ID. You can get Application ID with below guide document: Maybe, you have to request to Tizen.org via email. https://developer.tizen.org/development/tutorials/nativ e-application/messaging/push - AppSecret is kind of pass code of your App ID. When any servers or other applications request to send push notification to your application, they must send request including your application's (target) App ID and App Secret. So, you can do push TCT with your own AppID and AppSecret. Adding notices: Please check push tutorial's "Managing Security" section with care	*Down Notification bar > Enable Wi-Fi or Mobile Data. [Set the Pre-Configure dialog of TCT- Manager UI] *PUSH_APPID *PUSH_APPSECRET
url-download	Must be connected to Internet using Wi-Fi or data network.	*Down Notification bar > Enable Wi-Fi OR Down Notification bar > Enable Mobile Data.



telephony	If Supported, SIM Card (call, message, data network) should be inserted.	*Insert SIM card.
webkit2	Must be connected to internet using Wi-Fi or data network.	*Down Notification bar > Enable Wi-Fi or Mobile Data
wifi-direct	Wifi should not be connected.	*Down Notification bar > Disable Wi-Fi
wifi	If Supported, Wi-Fi should be enabled.	*Down Notification bar > Enable Wi-Fi [Set the Pre-Configure dialog of TCT- Manager UI] *Wi-Fi_WPSACCESSPOINTNAME (Wi-Fi router's name) *Wi-Fi_ACCESSPOINTPIN (Wi-Fi router`s password)

ITC		
Packages	Pre-requisites	DEVICE [How to find Information]
bluetooth	If Supported, Bluetooth should be enabled.	*Down Notification bar > Enable Bluetooth
camera	If Supported, Camera should be available.	*If there is no H/W camera, please connect USB samsung camera. *For TV profile, please connect USB samsung TV camera.
capi-maps- service	If Supported, Enable Wi-Fi or Data Network. Get credential app_id and app_code from HERE developer site(https://developer.here.com).	*Down Notification bar > Enable Wi-Fi or Mobile Data. [Set the Pre-Configure dialog of TCT- Manager UI] *MAPS_PROVIDER_KEY : app_id/app_code ex) abcd/1234
connection	If Supported, Enable Wi-Fi If Supported, Enable Mobile Data Network	*Down Notification bar > Enable Wi-Fi. *Down Notification bar > Enable Mobile Data.
contacts- service2	 If Supported, SIM Card should be inserted. Create a contact in SIM 	*Insert SIM card. *SDN information should be written in SIM Card. (Only allow to write this information to tele- company) * Contacts > Select Sim > Save Contact Information
email	Must be set an email account.	*Settings > Accounts > Email > Set created accounts [Set the Pre-Configure dialog of TCT- Manager UI] *EMAIL_RECIPIENT : Created email account
key-manager	Must be set the time as correct	*Once connect mobile data or wi-fi, it comes correct when 'auto udpate' set. Or Settings > Data and Time : Set by manual.
nfc	If Supported, NFC should be ON.	*Down Notification bar > Enable NFC
location- manager	If Supported, GPS should be enabled.	*Down Notification bar > Enable GPS
media-content	If Supported, SD card should be inserted.	*Insert SD card.
messages If Supported, SIM Card (call, message, data network) should be inserted.		*Insert SIM Card [Set the Pre-Configure dialog of TCT- Manager UI] *MESSAGES_MOBILE_NUMBER ex) +821012345678

push	If Supported, Enable Wi-Fi or Data Network. Get push app id and app secret. - App ID is basic identification string value to register your application to Push server. Push server identify your application package identify your App ID. You can get Application ID with below guide document: Maybe, you have to request to Tizen.org via email. https://developer.tizen.org/development/tutorials/nativ e-application/messaging/push - AppSecret is kind of pass code of your App ID. When any servers or other applications request to send push notification to your application, they must send request including your application's (target) App ID and App Secret. So, you can do push TCT with your own AppID and AppSecret. Adding notices: Please check push tutorial's "Managing Security" section with care.	*Down Notification bar > Enable Wi-Fi or Mobile Data. [Set the Pre-Configure dialog of TCT- Manager UI] *PUSH_APPID *PUSH_APPSECRET
player	Must be connected to internet using Wi-Fi or data network.	*Down Notification bar > Enable Wi-Fi OR Down Notification bar > Enable Mobile Data [Set the Pre-Configure dialog of TCT- Manager UI] *PLAYER_DOWNLOAD_URL ex) http://www.archive.org/download/WaltzingMathil da-avi/WaltzingMathilda320X240_512kb.mp4 *PLAYER_DOWNLOAD_PROGRESS_URL ex) http://content.bitsontherun.com/videos/ntPYsD4 L-1ahmry41.mp4
telephony	If Supported, SIM Card (call, message, data network) should be inserted.	*Insert SIM card. ※ SPN information should be written in SIM Card. (Only allow to write this information to tele- company)
url-download	Must be connected to Internet using Wi-Fi or data network.	*Down Notification bar > Enable Wi-Fi OR Down Notification bar > Enable Mobile Data [Set the Pre-Configure dialog of TCT- Manager UI] *URLDOWNLOAD_URL ex) https://download.tizen.org/misc/Tizen- Brand/01-Primary-Assets/Logo/On-Light/01- RGB/Tizen-Logo-On-Light-RGB.png *URLDOWNLOAD_DOWNLOADURL exhttp://mirrors.ustc.edu.cn/videolan- ftp/vlc/2.1.5/win32/vlc-2.1.5-win32.zip *URLDOWNLOAD_URLWITHETAG ex) http://www.w3.org/Protocols/rfc2616/rfc2616- sec14.html
webkit2	Must be connected to internet using Wi-Fi or data network.	*Down Notification bar > Enable Wi-Fi OR Down Notification bar > Enable Mobile Data
wifi-direct	Wifi should not be connected.	*Down Notification bar > Disable Wi-Fi

wifi	If Supported, Wi-Fi should be enabled.	*Down Notification bar > Enable Wi-Fi [Set the Pre-Configure dialog of TCT- Manager UI] *Wi-Fi_WPSACCESSPOINTNAME (Wi-Fi router's name) *Wi-Fi_ACCESSPOINTPIN (Wi-Fi router's password) *Wi-Fi_EAPACCESSPOINTNAME (Should be enterprise access point mode and public. This Wi-Fi router should be different from above WPS enabled public Wi-Fi router.)>
------	--	---

CTC		
Packages	Pre-requisites	DEVICE [How to find Information]
platform- permission	If Supported, Bluetooth should be enabled. If Supported, SIM card should be inserted. If Supported, SD card should be inserted.	*Down Notification bar > Enable Bluetooth *Insert SIM card. *Insert SD card.
telephony	If Supported, SIM Card (call, message, data network) should be inserted.	*Insert SIM card.

3.7. Execution Progress:

When executing the test, this screen will be shown as in Figure 13.

Settings Help						
Plan	Execute		Reports		Compliance	
Executing plan: temp					Suspend	
Status:Executing the suite 'tct-accour	nts-svc-native-itc'	in testkit-lite	N.			
		0%				
 Total: (1676) Auto Suites: (1676) 	Pass Fall	Block N/A	n	Console		
tct-accounts-svc-native-itc(48)	1/	48			Export	
tct-app-manager-native-itc(36)	0/	36		ests.xml -e "WRTLaur	ncher" -Anon-activedevic	
tct-appcore-agent-native-itc(2)	0	/2		eid 4df7e8bc50ca3000 -o /opt/tct/tizen_c 2.3.1/manager/result/2015-06-05-14 37-32-2		
tct-appcore-widget-native-itc(0/	10	1	ct-accounts-svc-native-itc.auto.xml		
tct-application-native-itc(40)	0/	40		5-14:37:40.019814/t	ct-accounts-svc-native-itc.a	
tct-audio-io-native-itc(21)	0/	21		uto.xml]		
tct-badge-native-itc(3)	0	/3		[testing xml: /opt/te	stkit/lite/2015-06-05-14:37:4	
tct-base-utils-native-itc(286)	0/	286	U	[split xml: /opt/testk	it/lite/2015-06-05-14:37:40.0	
tct-bluetooth-native-itc(31)	0/	31		19814/tct-accounts- ml by <set> 1</set>	svc-native-itc.auto.suite_1.x	
tct-bundle-native-itc(8)	0	/8		[this might take son	ne time, please wait]	
tct-cairo-native-itc(4)	0	/4		total set number is		
tct-calendar-service2-native-it	. 0/	56		[run set: /opt/testkil 19814/tct-accounts-	t/lite/2015-06-05-14:37:40.0	
tct-camera-native-itc(73)	0/	73		et_1.xml]		
tct-capi-media-tool-native-itc(0/	37		19814/tct-accounts-	svc-native-itc.auto.suite_1_s	
tct-capi-message-port-native-i	. 0	/6		et_1.xml by <case> I this might take son</case>] ne time, please wait 1	
tct-connection-native-itc(57)	0/	57		[prepare_starup_pa	rameters]	
tet contacte conica? nativo it		170				

Figure 13. Execution progress while Running Test Suite in TCT-Manager

3.8. Execution Report:

After executing all the test suites, Reports tab will show a results list as in Figure 14.

Plan		Execute		Repo	orts		Con	2 E Iplian	Ce
oorts for all test e	executions						[Rem	ove
All Test Time		Test Plan	Pr	Device Model	Status (Auto)	Status (Ma	Ope	ration	
2014-11-17-1	6_52-00-128	coretct	mob		S	5	1	-	0

Figure 14. Execution report after completing execution in TCT-Manager

3.9. Download Result:

You can download the result file by clicking red marked button showed in Figure 15.

<u>S</u> ettings	<u>H</u> elp						_ v 🗸 、	·
	Plan	Execute	Reports				T	IZEN[*] Compliance
Reports fo	or all test executions							Remove
	Test Time	Te	est Plan	Dovice Model	Status (Auto)	Status (Manual)	Operation	
	<u>2014-09-16-11 58</u>	<u>-34-069</u> CC	RE_CT New Folder Delete Folders -/ -/ CTS_WorkingProject CoreAPI/ Desktop/ Documents/ Downloads/ GBS-ROOT/ Selection: /home/se Filter: All Files	File Rename File /home/se v :/ :/ S Cancel			<u>*</u>	# <u>,</u>

Figure 15. Download the Execution report in TCT-Manager

3.10. View the Execution report in browser

Click the red marked link to view result summary in browser as shown in Figure 16.

mpliance Te	ests							8 t ∔ 4	× 12:20 F	РМ 🔱
<u>S</u> ettings <u>H</u> e	Plan	Execute	Reports						FIZE Complia	N
Reports for	all test exe	cutions							Ren	nove
	Test Tim	10	Test Plan	Profile	Device Model	Status (Auto)	Status (Manual)	Operation		
	2014-09-	<u>-16-11 58-34-069</u>	CORE_CTC	mobile	Emulator			<u>+</u>	4	<u></u>
						•	•			

Figure 16. View the Execution report in TCT-Manager

TCT-manager provides detailed information about test results. TCT Report (Figure 17) shows how many test suites were executed, how many test cases were checked, how many test cases passed or failed, etc.

TCT Report							
Test Summary				D	evice Information		
TCT Version	TCT2.4			н	ost Device	Linux-3.2.0-70-generic-pae-i686-with-Ubuntu-12.04-	
Target Binary information						precise	
Test Plan Name	ITC			M	anufacturer	Samsung	
Test Profile	mobile			D	evice Model	TM1	
Build ID	NotAvailable			D	evice ID	0000d8bd00006200	
Test Total	3323			S	creen Size	0mm × 0mm	
Test Passed	3312			R	esolution	720 × 1280	
Test Failed	11						
Test Blocked	0						
Test Not Executed	0						
Time	2015-10-05_11_	03_05 ~ 2015-	10-05_19_48	_57			
The information of device capability	Device Capability The information of device capability is not available. Test Summary by Suite						
Suite	Total	Passed	Failed	Blocked	Not Executed	Ratio	
tct-accounts-svc-native-itc	48	48	0	0	0	100.00%	
tct-appcore-agent-native-itc	2	2	0	0	0	100.00%	
		1		1			

Figure 17. View the Execution report summary in TCT-Manager

3.11. View Result Details:

By clicking the name of each test suite, you can check the name, purpose, result and error log of each test case (Figure 18). Also you can see sdb dlog by clicking dlog link.

Suite Test Results							
Test Suite: tct-nfc-native-	ctc (All)		Show all Show only failed Show only blocked Show only not executed Summary				
Case_ID	Purpose	Result	Stdout				
Test Set: Nfc			dlog				
CTc_NfcManager_IsSupportedNfc_p Device screen height and width get test PASS		Successfully Launched [CAPI_NETWORK_NFC_CTC] Executing Testcase: CTc_NfcManager_IsSupportedNfc_p [CAPI_NETWORK_NFC_CTC] NFC is Not supported returncode=0					

Figure 18. View the Execution Report Details in TCT-Manager

3.12. Execution Log Export:

Export execution log by clicking export button marked red in Figure 19.

Settings Heip			
Plan	Execute	Reports	TIZEN [®] Compliance
Executing plan: test			Suspend
Status:Executing the suite 'tct-bluet	ooth-native-ctc' in test	kit-lite.	
		0%	
▼ Total: (3)	Pass Fail Blo	Console	
 Auto Suites:(3) tct-bluetooth-native-ctc(3) 	2/3		Export
Manual Suites:(0)		[Suite] Start to executing tct-blue	tooth-native-ctc
		Comparing the second dependence of the second	ia/ct/opt/ct-bluetooth-native-ctc/tests.xml -e "WRTLauncher rct/tten_core_2.3/manager/result/2014/11-7-17_24-01-963 10.146091/ct-bluetooth-native-ctc.auto.xml] 1/rct-bluetooth-native-ctc.auto.xml] tc-bluetooth-native-ctc.auto.suite_1.xml by <set>] tc-bluetooth-native-ctc.auto.suite_1.set_1.xml] rct-bluetooth-native-ctc.auto.suite_1_set_1.xml by <case>] it_bluetooth-native-ctc.auto.suite_1_set_1.xml by <case>] it_bluetooth-native-ctc.auto.suite_1_set_1.xml by <case>] it_bluetooth-native-ctc.auto.suite_1_set_1.xml by <case>]</case></case></case></case></set>
		All Files	incel

Figure 19. Exporting Log of Execution Report from TCT-Manager

3.13. Stop Execution:

While executing test suites if executions need to be stopped, click the window close button which will prompt like below (Figure 20).

<u>S</u> ettings <u>H</u> elp		
Plan	Execute	Reports TIZEN [®] Compliance
Executing plan: temp		Suspend
Status:Executing the suite 'tct-account	s-svc-native-itc' in testki	it-lite.
		Ū%
▼ Total: (7833)	Pass Fail Block	N/A Ô Concelo
 Auto Suites:(7833) 		Console
tct-accounts-svc-native-itc(48)	1/48	Export
tct-accounts-svc-native-utc(1	0/148	[Suite] Start to executing tct-accounts-svc-native-itc Execute below command to invoking testkit-lite. >/opt/tct/itzen_core_2.3/testkit-lite if device:/opt/usr/media/tct/opt/tct-accounts-svc-native-itc/tests.xml -e "WRTLaunch er" A -non-active -deviceid 00005/680000ba26o /opt/tct/tizen_core_2.3/manager/result/2014-11-17-17_31-40-8 26/tct-accounts-svc-native-itc.auto.xml L anabeis test xml file://opt/test/filte/2014-11-17-17-31-40.460030/tct-accounts-svc-native-itc.auto.xml
tct-app-manager-native-itc(37)	0/37	
tct-app-manager-native-utc(1	0/108	
tct-appcore-agent-native-utc(8)	0/8	
tct-application-native-itc(40)	0/40	
tct-application-native-utc(186)	0/186	[testing xmi: /opt/testkd/life/2014-11-1/-1/:31:49.460030/tct-accounts-svc-native-tc.auto.xmi] [split xmi: /opt/testkd/life/2014-11-71-7:31:49.460030/tct-accounts-svc-native-tc.auto.suite_1.xml by <set>] [this might take some time, please wait] [total set numberic 1]</set>
tct-audio-io-native-itc(21)	0/21	
tct-audio-io-native-utc(66)		
tct-badge-native-itc(3)	Scop execu	ative-itc.auto.suite_1_set_1.xml }
tct-badge-native-utc(14)	The pla	n 'temp' is executing. Do you still want to quit?
tct-base-common-native-itc(1)		
trt-base-utils-pative-itc(113)		
tet-base-utile-pative-utc(282)	Canc	el Yes, stop execution and quit Yes, quit immediately
tct-bluetooth-pative-ctc(202)	0/2	unt_type_from_db_p
tet bluetooth native ite(26)	0/3	Expected: 0
tet bluetesth estimate(0.00)	0/36	[execute core test script, please wait !]
tct-bluetootn-hative-utc(243)	0/243	start time: 2014-11-17 17:31:56
tct-bundle-hative-itc(8)	0/8	
tct-bundle-native-utc(50)	0/50	
tct-calendar-service2-native-it	0/56	
tct-calendar-service2-native-u	0/941	
tct-camera-native-ctc(35)	0/35	
tct-camera-native-itc(73)	0/73	
tct-camera-native-utc(320)	0/320	
tct-capi-media-tool-native-itc(0/37	
tct-capi-media-tool-native-utc(0/94	
tct-capi-message-port-native	0/40	
tct-connection-native-ctc(19)	0/19	
tct-connection-native-itc(56)	0/56	
tct-connection-native-utc(160)	0/160	•

Figure 20. Stop the test-suite execution while execution is running in TCT-Manager

3.14. Rerun Failed Test Cases:

If you want to re-run for non-pass test cases, click rerun button (Figure 21).



Figure 21. Rerun Failed TCs

4. Appendix

 Certain ports should be opened if company firewall is applied to Wi-Fi being used. These ports are needed to create email account, download files and push module for sending and receiving push notifications.

5223, 110, 143, 465, 587, 993, 995, 8000, 8081, 8088, 8080, 80, 443