

Testkit-Manager User Guide

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1. Overview

Testkit-Manager, a Graphical User Interface (GUI) front-end in browser, manages auto test cases execution remotely and provides unified web UI to help manual tests execution.

Testkit-Manager has the following features:

- You can filter test cases as per their property value, including architecture, version, category, priority, status, execution type, test suite, type, test set, and component. After that, you can view the detailed information of the test cases.
- You can save the detailed test case information as a **test plan**, and load, delete, or execute the **test plan**.
- You can install, update, and delete test case packages.
- You can execute both auto test cases and manual test cases as well as add test result to manual test cases.
- After executing test cases, Testkit-Manager generates a report automatically. After that, you can view, compare, delete, submit, and export the report.

2. Building Test Case

To build a test case, perform the following steps:

1. 'git clone [git@github.com:testkit/testkit-manager.git](https://github.com:testkit/testkit-manager.git)'
2. 'cd testkit-manager; ./autogen; ./configure; make; make install'
3. Download WebAPI test suite by git clone [ssh://username@tizendev.org:29418/test/webapi.git](https://github.com:tizendev/test/webapi.git).
4. Build and install the WebAPI test suite.

3. Customizing Tests

3.1 Filtering Test Cases

You can filter test cases according to their property values:

- | | | | | |
|-----------------|-------------|-----------|-----------|------------|
| ①Architecture | ②Version | ③Category | ④Priority | ⑤Status |
| ⑥Execution Type | ⑦Test suite | ⑧Type | ⑨Test set | ⑩Component |

To filter test cases, perform the following steps:

1. Log in to **<http://localhost:8899>**.
2. Click the **CUSTOM** tab.

When the tab page is refreshing, all the buttons are disabled, and the progress bar is displayed on the right top of the tab page, as shown by [1] in Figure 3-1.

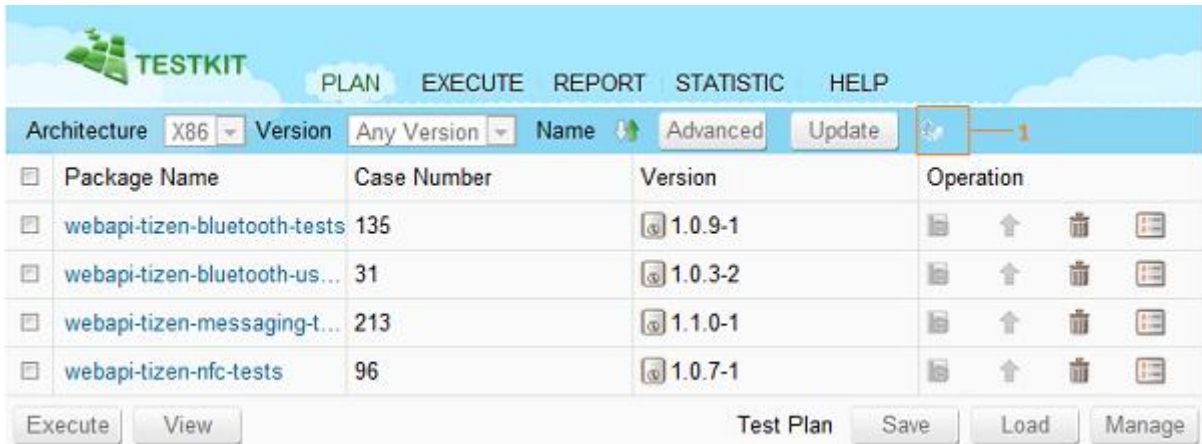


Figure 3-1 CUSTOM tab page in loading progress

After the tab page is refreshed, some buttons are enabled, and the progress bar is hidden. The tab page:

- Displays **Architecture**, **Version**, and **Advanced** on top, as shown by [1] in Figure 3-2.
- Lists installed packages, as shown by [2] in Figure 3-2.
- Lists uninstalled or later-version packages which are scanned from repos, as shown by [3] in Figure 3-2.

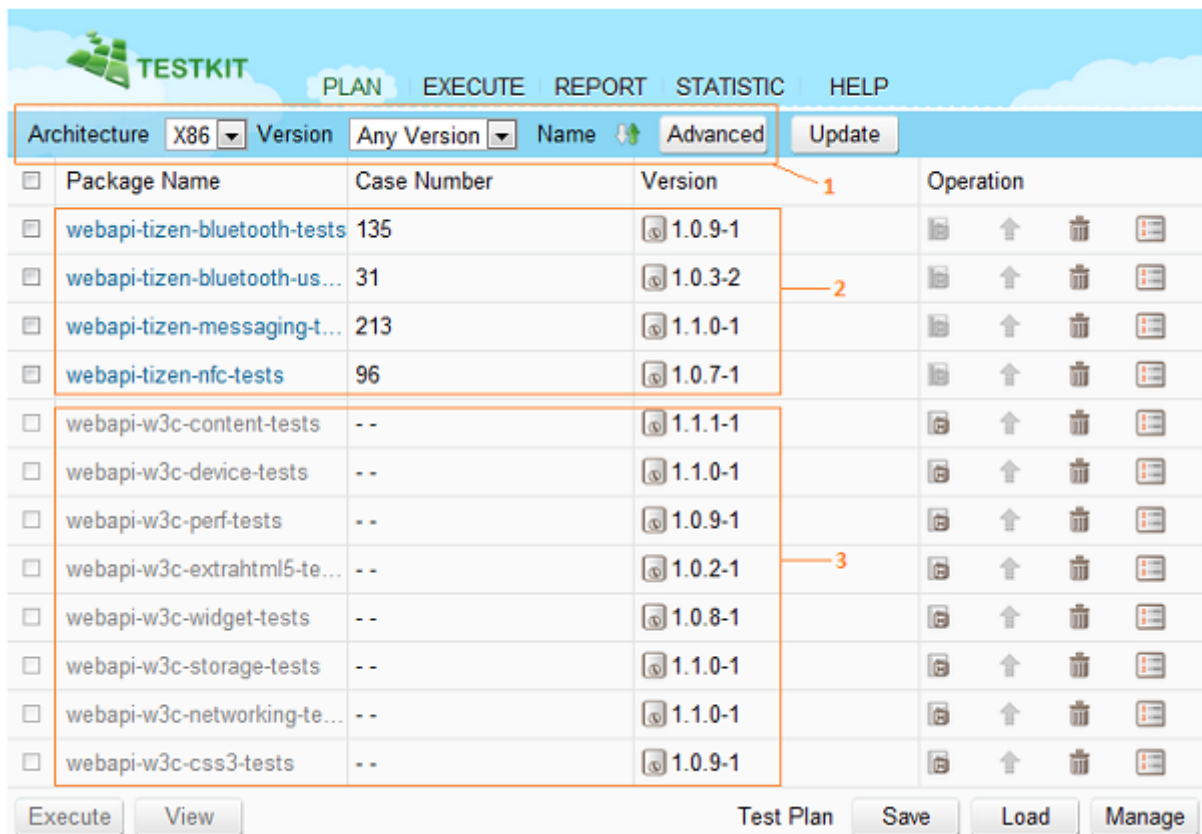


Figure 3-2 CUSTOM tab page

3. Click **Advanced**.

Options display, as shown by [2] in Figure 3-3. The **Advanced** button updates to **Normal**, as shown by [1] in Figure 3-3. If you click **Normal**, options are hidden.

Package Name	Case Number	Version	Operation
<input checked="" type="checkbox"/> webapi-tizen-bluetooth-tests	135	1.0.9-1	
<input checked="" type="checkbox"/> webapi-tizen-bluetooth-us...	31	1.0.3-2	
<input checked="" type="checkbox"/> webapi-tizen-messaging-t...	213	1.1.0-1	
<input checked="" type="checkbox"/> webapi-tizen-nfc-tests	96	1.0.7-1	
<input type="checkbox"/> webapi-w3c-content-tests	--	1.1.1-1	
<input type="checkbox"/> webapi-w3c-device-tests	--	1.1.0-1	
<input type="checkbox"/> webapi-w3c-perf-tests	--	1.0.9-1	
<input type="checkbox"/> webapi-w3c-extrahtml5-te...	--	1.0.2-1	
<input type="checkbox"/> webapi-w3c-widget-tests	--	1.0.8-1	
<input type="checkbox"/> webapi-w3c-storage-tests	--	1.1.0-1	
<input type="checkbox"/> webapi-w3c-networking-te...	--	1.1.0-1	
<input type="checkbox"/> webapi-w3c-css3-tests	--	1.0.9-1	

Figure 3-3 Options on the **Custom** tab page

4. Take the **Priority** and **Execution type** options for example.

Note: Assume that all the 10 options' value are initial values "Any ***". All the installed test case packages display.

(1). Select **P1** from the **Priority** checkbox.

The test case packages display, which include test cases whose priority is P1, as shown in Figure 3-4.

TESTKIT PLAN EXECUTE REPORT STATISTIC HELP

Architecture X86 Version Any Version Name Normal Update

Category Any Category Priority P1

Status Any Status Execution Type Any Execution Type

Test Suite Any Test Suite Type Any Type

Test Set Any Test Set Component Any Component

Package Name	Case Number	Version	Operation
webapi-tizen-bluetooth-tests	135	1.0.9-1	↑ ↓ ⌵ ⌶
webapi-tizen-bluetooth-us...	31	1.0.3-2	↑ ↓ ⌵ ⌶
webapi-tizen-messaging-t...	213	1.1.0-1	↑ ↓ ⌵ ⌶
webapi-tizen-nfc-tests	96	1.0.7-1	↑ ↓ ⌵ ⌶

Execute View Test Plan Save Load Manage

Figure 3-4 Test case packages (1)

(2). Select **auto** from the **Execution type** check box.

The test case packages display, which include the test cases whose priority is P1 and whose Execution type is auto, as shown in Figure 3-5.

TESTKIT PLAN EXECUTE REPORT STATISTIC HELP

Architecture X86 Version Any Version Name Normal Update

Category Any Category Priority P1

Status Any Status Execution Type auto

Test Suite Any Test Suite Type Any Type

Test Set Any Test Set Component Any Component

Package Name	Case Number	Version	Operation
webapi-tizen-messaging-t...	213	1.1.0-1	↑ ↓ ⌵ ⌶
webapi-tizen-nfc-tests	96	1.0.7-1	↑ ↓ ⌵ ⌶

Execute View Test Plan Save Load Manage

Figure 3-5 Test case packages (2)

Note: You can select other options in the same way. All the required test case packages display.

5. Select a test case package to test, as shown in Figure 3-6.

Package Name	Case Number	Version	Operation
<input checked="" type="checkbox"/> webapi-tizen-messaging-t...	213	1.1.0-1	[Icons]
<input type="checkbox"/> webapi-tizen-nfc-tests	96	1.0.7-1	[Icons]

Figure 3-6 Selecting a test case package

3.2 Using Test Plan

A test plan saves the information of filtered test cases for future test. You can save, load, or manage a test plan.

3.2.1 Saving Test Plan

To save a test plan, perform the following steps:

1. Filter test case packages. For details, see section 3.1.
2. Click **Save**.

Save operations display, as shown by [2] in Figure 3-7. The **Save** button updates to **Close**, as shown by [1] in Figure 3-7. If you click **Close**, the save operations are hidden.

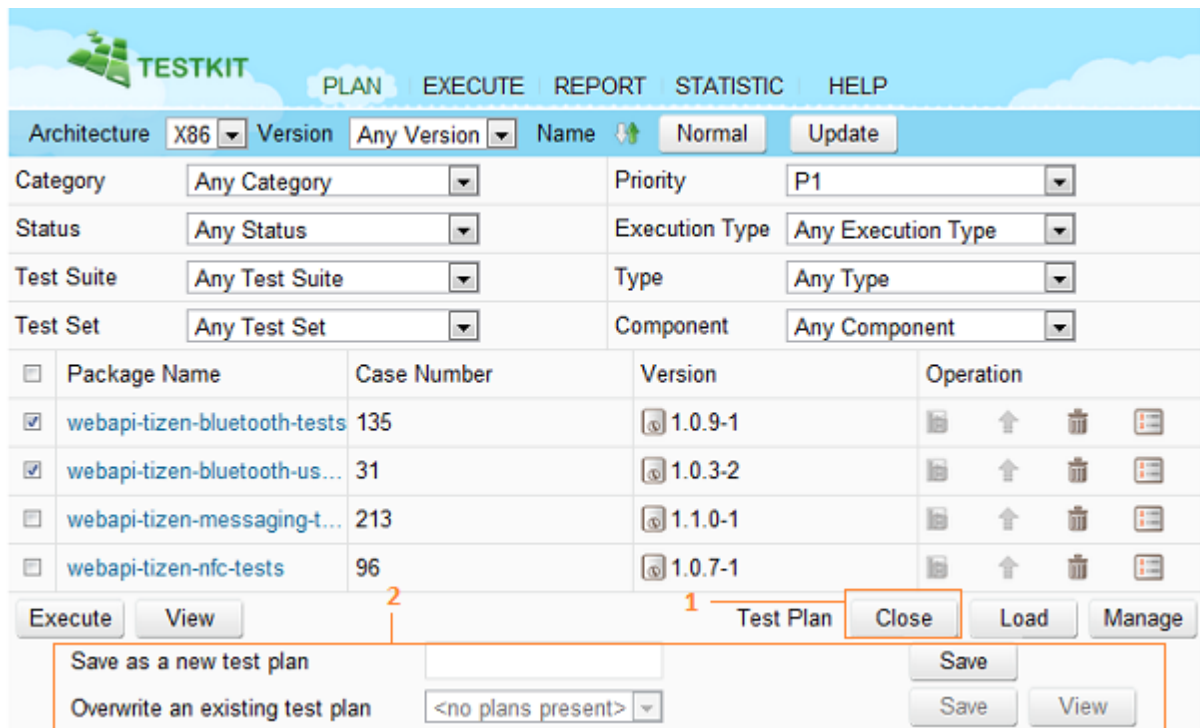


Figure 3-7 Clicking the **Save** button

3. Enter the test plan name in text box [1]. Then click **Save**, as shown by [2] in Figure 3-8.

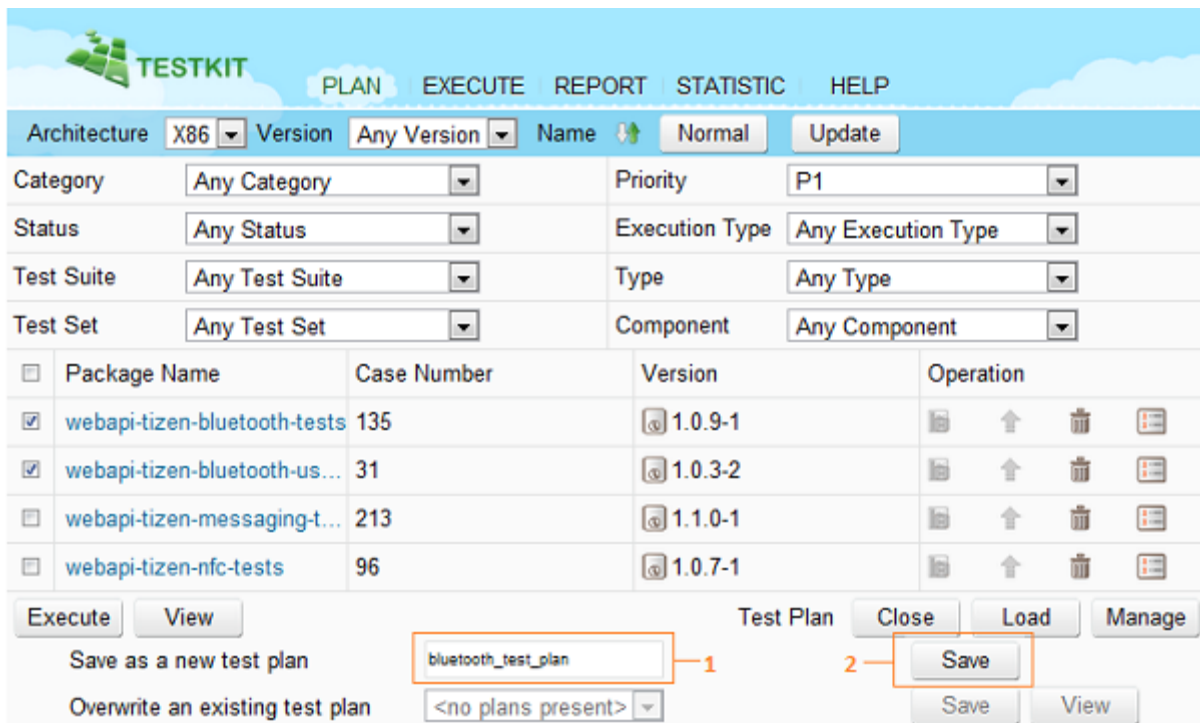


Figure 3-8 Entering the test plan name (1)

4. An alert displays, as shown in Figure 3-9. Click **OK** to save the test plan.

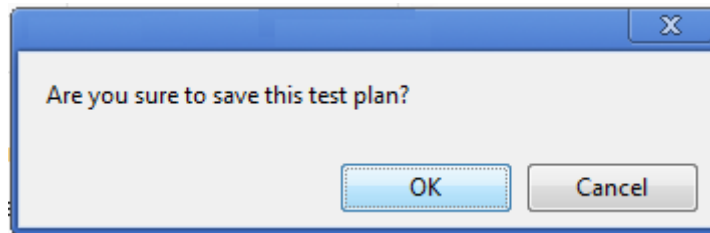


Figure 3-9 Confirmation dialog box (1)

After the test plan is saved successfully, the test plan name displays, as shown by [1] in figure 3-10.

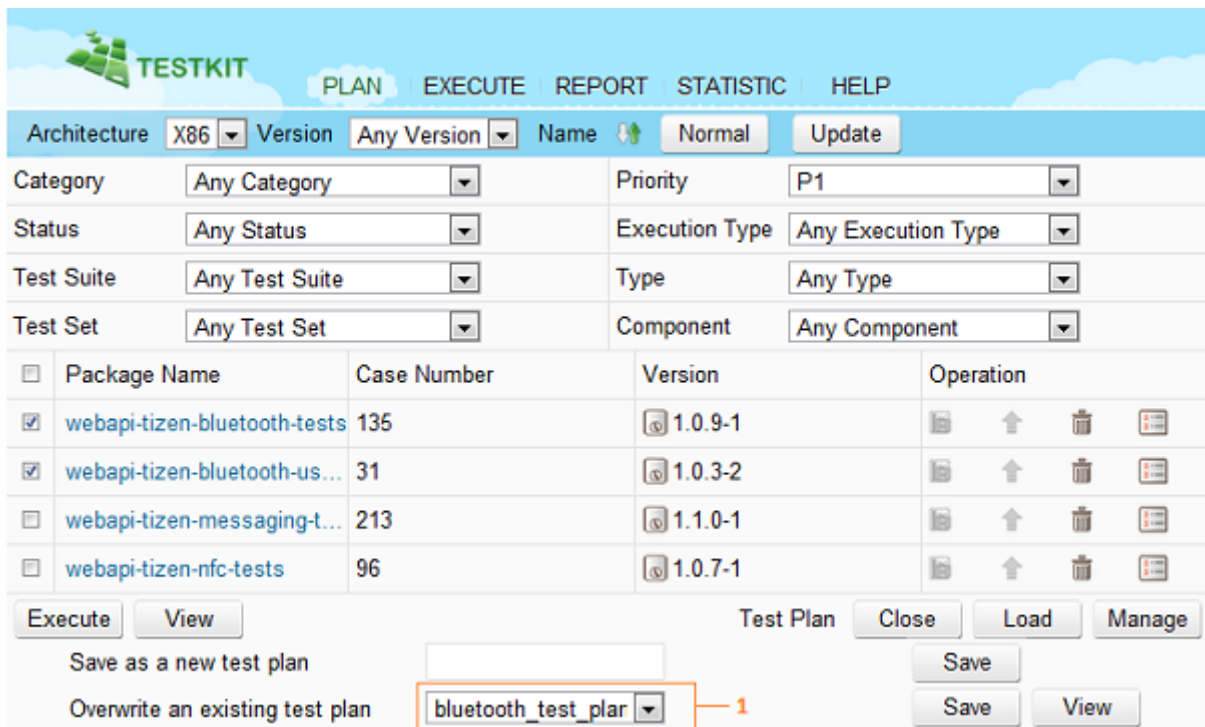


Figure 3-10 Entering the test plan name (2)

5. If there has been a test plan whose name is the same as the entered test plan name, as shown in Figure 3-11:

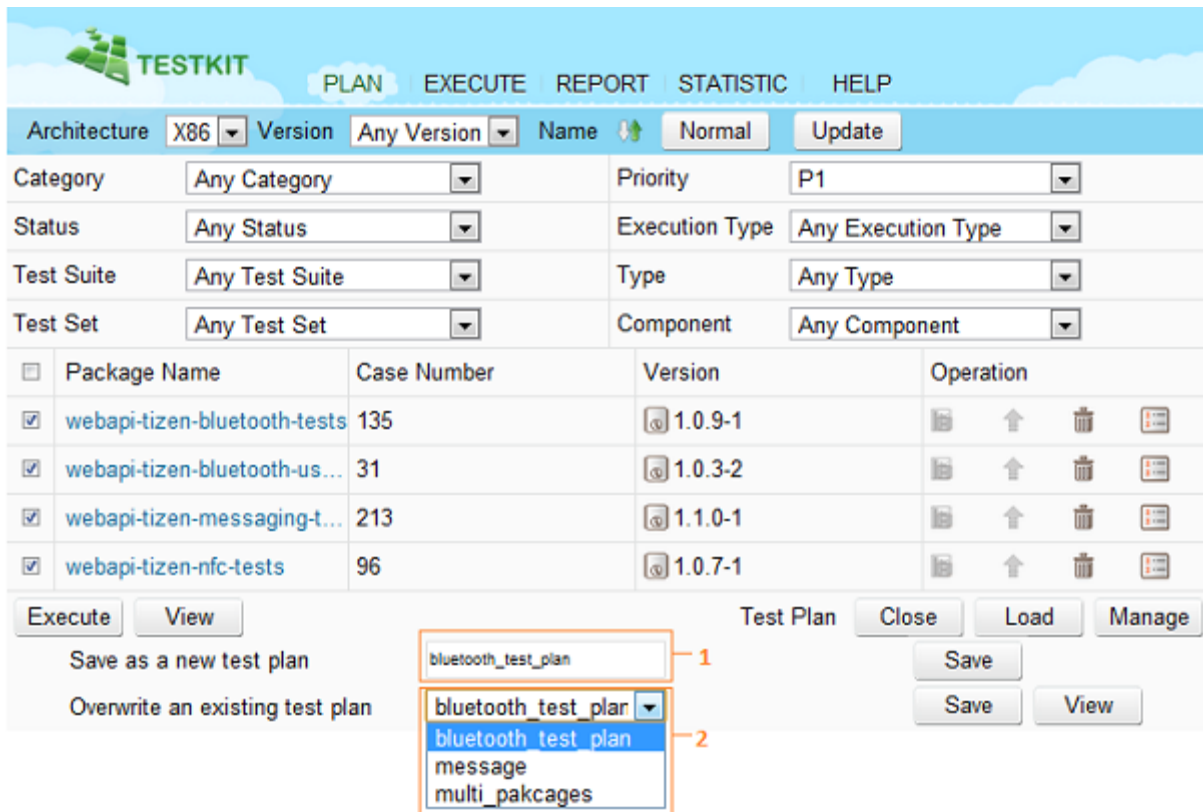


Figure 3-11 Saving an existing test plan name

Click **Save**. A dialog box pops up, reading “Test plan: <Test plan name input> exists, Are you sure to overwrite it?”

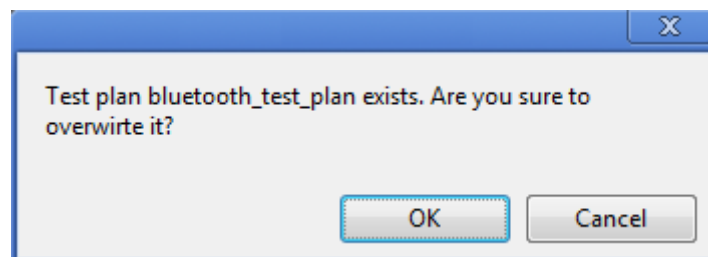


Figure 3-12 Confirmation dialog box (2)

- Click **OK**. → The test plan **bluetooth_test_plan** overwrites the existing one.
 - Click **Cancel**. → The test plan **bluetooth_test_plan** is not saved.
6. Select a test plan that you want to view, as shown by [1] in Figure 3-13. Then click **View**, as shown by [2] in Figure 3-13.

TESTKIT

PLAN EXECUTE REPORT STATISTIC HELP

Architecture X86 Version Any Version Name Normal Update

Category Any Category Priority P1

Status Any Status Execution Type Any Execution Type

Test Suite Any Test Suite Type Any Type

Test Set Any Test Set Component Any Component

<input type="checkbox"/>	Package Name	Case Number	Version	Operation
<input checked="" type="checkbox"/>	webapi-tizen-bluetooth-tests	135	1.0.9-1	
<input checked="" type="checkbox"/>	webapi-tizen-bluetooth-us...	31	1.0.3-2	
<input type="checkbox"/>	webapi-tizen-messaging-t...	213	1.1.0-1	
<input type="checkbox"/>	webapi-tizen-nfc-tests	96	1.0.7-1	

Execute View Test Plan Close Load Manage

Save as a new test plan

Overwrite an existing test plan bluetooth_test_plan 1

2 Save View

Figure 3-13 Viewing test plan

7. A popup page displays, as shown in Figure 3-14.
 - View test plan name, as shown by [1].
 - View packages name, as shown by [2].
 - View the filtered value, as shown by [3]. If the filtered value is “Any ***”, it displays as “- -”.
 - Click **Close** to close the popup page.

Test Plan: bluetooth_test_plan 1

Package		
Name	Auto	Manual
webapi-tizen-bluetooth-tests	0	71
webapi-tizen-bluetooth-usage-tests	0	6

2

Filter			
Architecture	X86	Version	--
Category	--	Priority	P1
Status	--	Execution Type	--
Test Suite	--	Type	--
Test Set	--	Component	--

3

Close 4

Figure 3-14 Viewing popup page

Note:

Do not leave **test plan name** blank. If you click **Save** without entering a test plan name, an alert pops up, as shown in Figure 3-15. Click **OK**.

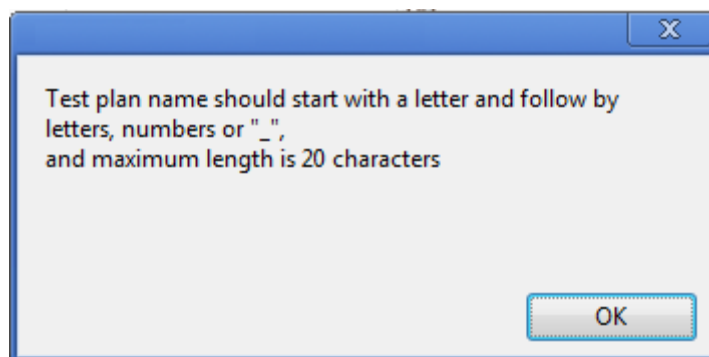


Figure 3-15 Confirmation dialog box (3)

3.2.2 Loading Test Plan

To load a test plan, perform the following steps:

1. Click **Load**, as shown in Figure 3-16.

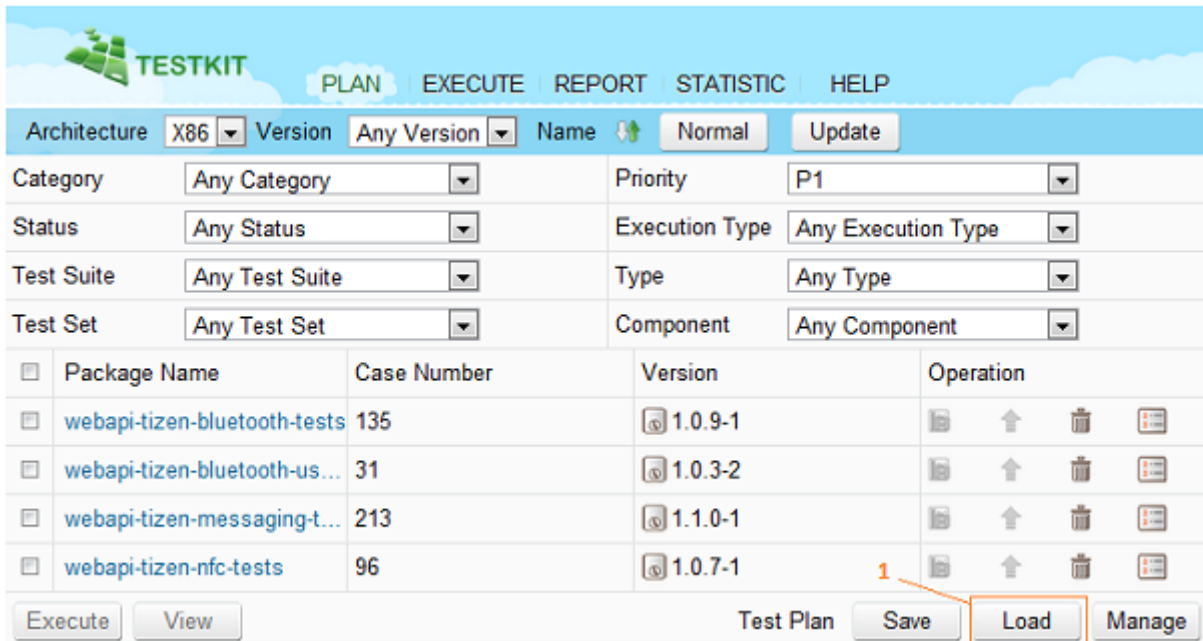


Figure 3-16 Clicking the Load button (1)

2. Load operations display, as shown by [2] in Figure 3-17. The Load button updates to Close, as shown by [1] in Figure 3-17. If you click Close, load operations are hidden. Select a test plan name, and click Load.

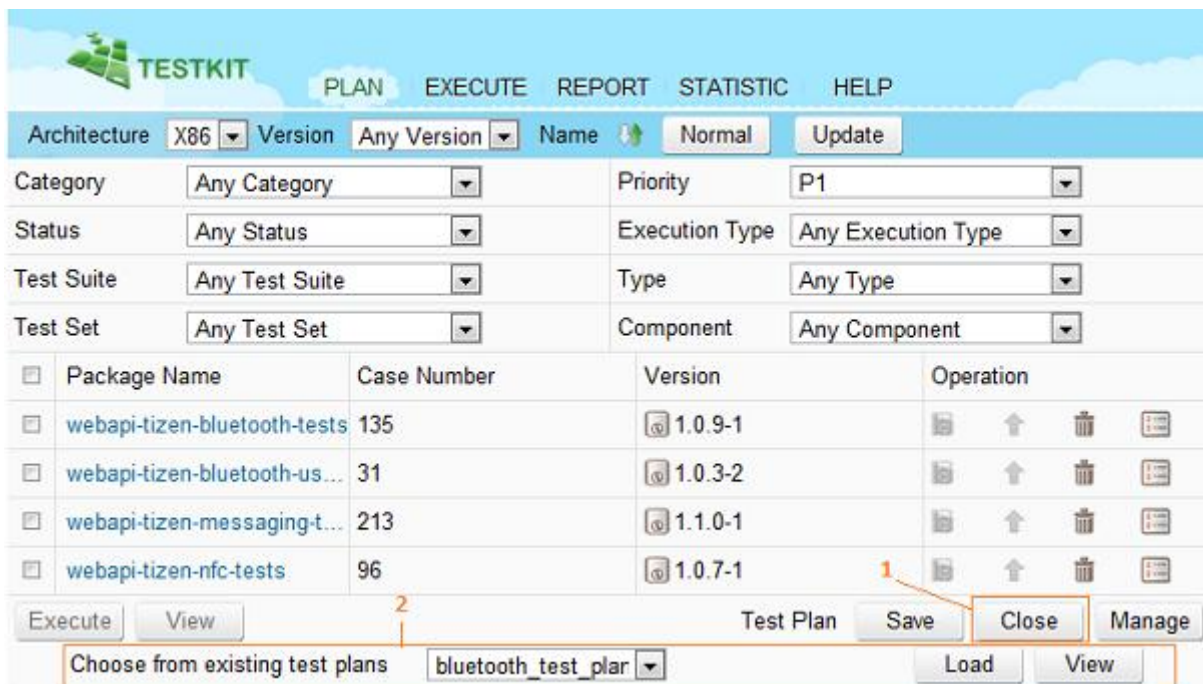


Figure 3-17 Clicking the Load button (2)

3. The test plan is loaded, as shown in Figure 3-18.

TESTKIT

PLAN EXECUTE REPORT STATISTIC HELP

















Architecture X86 Version Any Version Name Normal Update

Category Any Category Priority P1

Status Any Status Execution Type Any Execution Type

Test Suite Any Test Suite Type Any Type

Test Set Any Test Set Component Any Component

<input type="checkbox"/>	Package Name	Case Number	Version	Operation
<input checked="" type="checkbox"/>	webapi-tizen-bluetooth-tests	135	1.0.9-1	   
<input checked="" type="checkbox"/>	webapi-tizen-bluetooth-us...	31	1.0.3-2	   
<input type="checkbox"/>	webapi-tizen-messaging-t...	213	1.1.0-1	   
<input type="checkbox"/>	webapi-tizen-nfc-tests	96	1.0.7-1	   

Execute View Test Plan Save Load Manage

Figure 3-18 Test plan loaded

4. Click the **View** button to view the test plan, as shown in Figure 3-17. For details, see step 7 in section 3.2.1.

3.2.3 Managing Test Plan

To **manage** a test plan that has been saved, perform the following steps:

1. Click **Manage**, as shown in Figure 3-19.

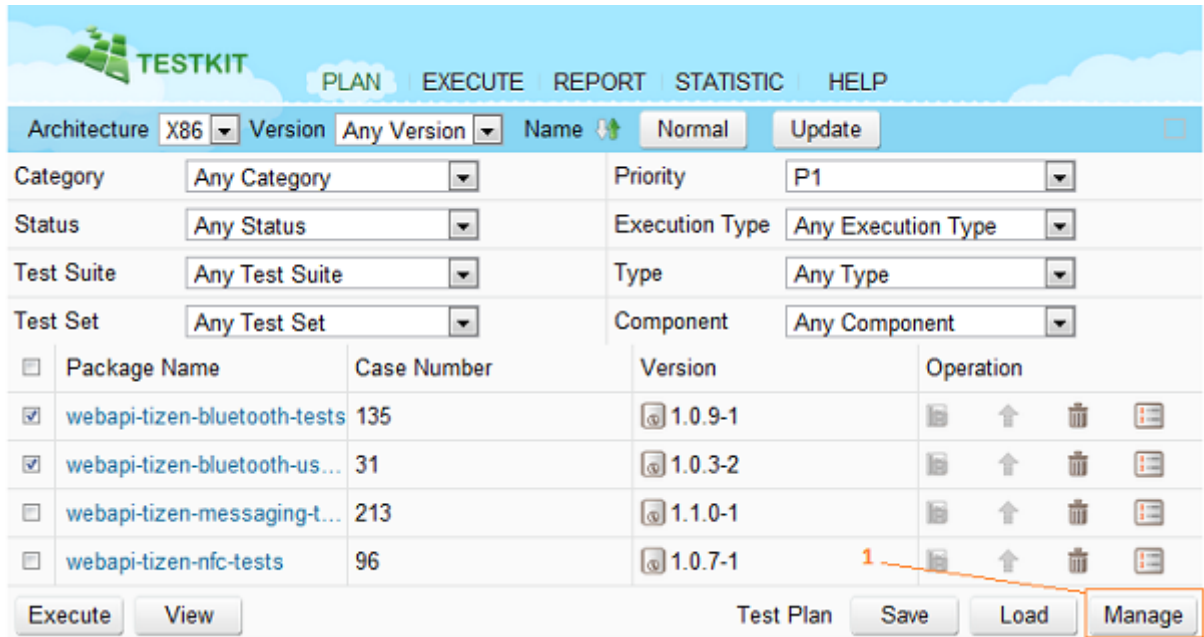


Figure 3-19 Managing test plan (1)

2. Manage operations display, as shown by [2] in Figure 3-20. The **Manage** button updates to **Close**, as shown by [1] in Figure 3-20. If you click the **Close** button, the manage operations are hidden.

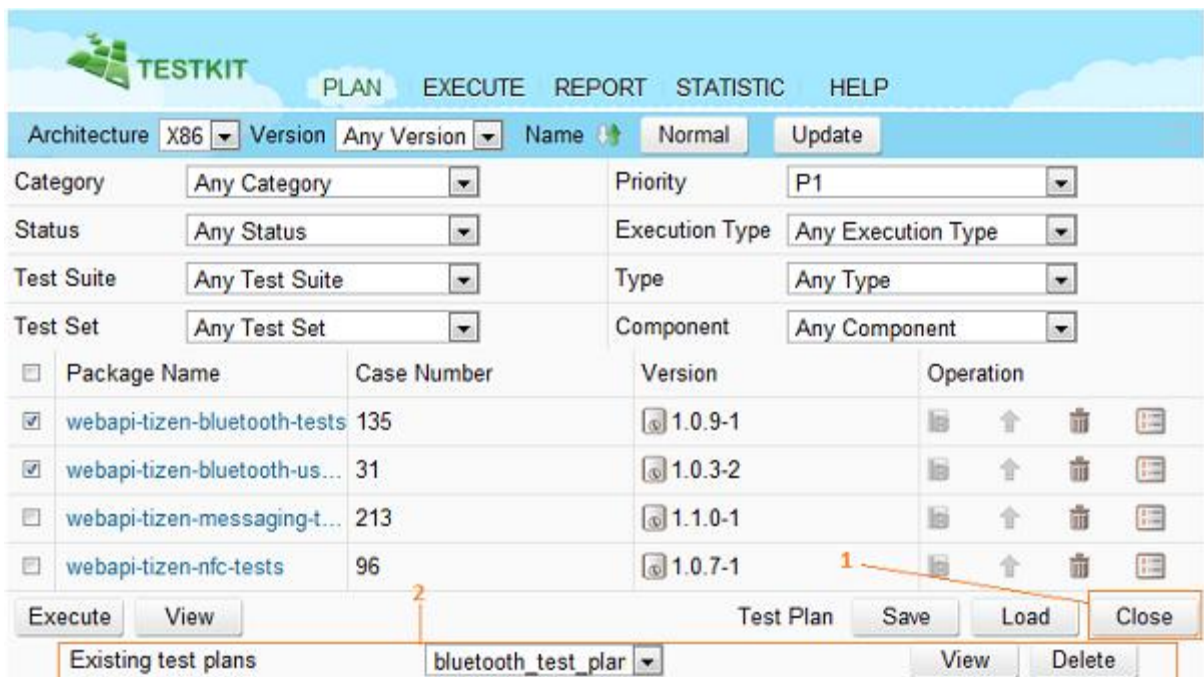


Figure 3-20 Managing test plan (2)

3. Select a test plan name, and click the **View** button. View popup page will display. For details, see

step 7 in section 3.2.1.

4. Select one test plan name, and click the **Delete** button. An alert pops up, as shown in Figure 3-21. Click **OK**. The test plan is deleted.

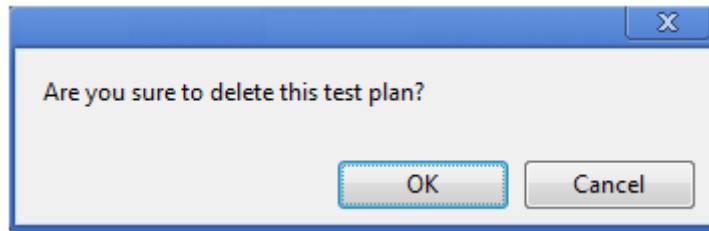


Figure 3-21 Confirmation dialog box (4)

3.2.4 Executing Test Plan

- Execute an existing test plan:
 1. Type the test plan name and click **Load**.
The test plan is loaded and the page automatically refreshes.
 2. Click **Execute**. The page refreshes and the test plan is executed.
- Execute a temporary test plan:
 1. Select a test case package. For details, see section 3.1.
 2. Click **Execute**. The page refreshes and the test plan is executed.

3.3 Useful Features

3.3.1 Viewing Test Case Information

To view test case information, perform the following steps:

1. Click **view**. The page refreshes, as shown in Figure 3-22. Current View method is displayed, as shown by [1] in Figure 3-22. Click **List View** to view test cases in list view, as shown by [2] in Figure 3-22.

TESTKIT PLAN EXECUTE REPORT STATISTIC HELP

View test cases in **list view** **List View** **Tree View**

Architecture: X86 Version: Any Version
 Category: Any Category Priority: Any Priority
 Status: Any Status Execution Type: Any Execution Type
 Test Suite: webapi-tizen-bluetooth-us Type: Any Type
 Test Set: Any Test Set Component: Any Component

Test Cases

Test Suite	Total	Auto	Manual
Total	31	0	31
webapi-tizen-bluetooth-usage-tests	31	0	31

Detailed Test Cases

[Back to Contents](#)

Test Suite: webapi-tizen-bluetooth-usage-tests

Case_ID	Purpose	Type	Component
Test Set: Bluetooth			
bluetooth_checkdeviceinfo_01	check bluetooth usage checkdeviceinfo01 works fine	user_experience	WebAPI/Tizen/Bluetoo

Figure 3-22 Viewing test cases in list view

- Click the **Tree View** button to view test cases in tree view, as shown by [3] in Figure 3-22. The page refreshes, as shown in Figure 3-23.

PLAN EXECUTE REPORT STATISTIC HELP

View test cases in tree view
List View
Tree View

Architecture	X86	Version	Any Version
Category	Any Category	Priority	Any Priority
Status	Any Status	Execution Type	Any Execution Type
Test Suite	webapi-tizen-bluetooth-us	Type	Any Type
Test Set	Any Test Set	Component	Any Component

webapi-tizen-bluetooth-usage-tests

TC ID:	bluetooth_checkdeviceinfo_01		
TC Purpose:	check bluetooth usage checkdeviceinfo01 works fine		
Priority:	P0	Execution Type:	manual
Component:	WebAPI/Tizen/Bluetooth	Requirement:	none
Case State:	approved		
Type:	user_experience		
Categories:	none		
Description	Pre-conditions:	TBD	
	Post-conditions:	none	
	Steps	Step Description: check bluetooth usage of checkdeviceinf...	
	Notes:	Expected Result: bluetooth usage of checkdeviceinfo shoul...	
	Test Script Entry:	[Spec UsageMethods]Tizen Device API Specifications:Tizen.B...	
Result Info	Test Script Expected Result:	/opt/webapi-tizen-bluetooth-usage-tests/Bluetooth/bluetooth_ch...	
	Actual result:	0	
	Start:	none	
	End:	none	
	Stdout:	none	
Measurement	Stderr:	none	
	Name:	none	
	Value:	none	
	Unit:	none	
	Target:	none	
Spec	Failure:	none	
	Assertion:	category:	Tizen Device API Specifications
		section:	Tizen
		specification:	Bluetooth
		interface:	none
		element_name:	none
		usage:	none
	element_type:	none	
URL:	https://developer.tizen.org/help/topic/org.tizen.help.web.api.de...		
Statement:	TBD		

Figure 3-23 Viewing test cases in tree view


- Click the test case name. The detailed test case information displays in the right pane of the page.

3.3.2 Sorting Test Case Packages

Click the icon. The test case packages are sorted.

Note: You can click the icon again. The test case packages are reversely sorted.

Figure 3-24 shows the details.


PLAN EXECUTE REPORT STATISTIC HELP


Architecture X86 Version Any Version Name ↑↓ Advanced Update

<input type="checkbox"/>	Package Name	Case Number	Version	Operation
<input type="checkbox"/>	webapi-tizen-bluetooth-te...	135	1.0.9-1	
<input type="checkbox"/>	webapi-tizen-bluetooth-u...	31	1.0.3-2	
<input type="checkbox"/>	webapi-tizen-messaging-...	213	1.1.0-1	
<input type="checkbox"/>	webapi-tizen-nfc-tests	96	1.0.7-1	
<input type="checkbox"/>	webapi-w3c-content-tests	--	1.1.1-1	
<input type="checkbox"/>	webapi-w3c-device-tests	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	1.0.9-1	
<input type="checkbox"/>	webapi-w3c-extrahtml5-te...	--	1.0.2-1	
<input type="checkbox"/>	webapi-w3c-widget-tests	--	1.0.8-1	
<input type="checkbox"/>	webapi-w3c-storage-tests	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-networking-te...	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-css3-tests	--	1.0.9-1	

Execute View
Test Plan Save Load Manage

Figure 3-24 Sorting test case packages

3.3.3 Deleting Test Case Package

Click the  icon, as shown in Figure 3-25.

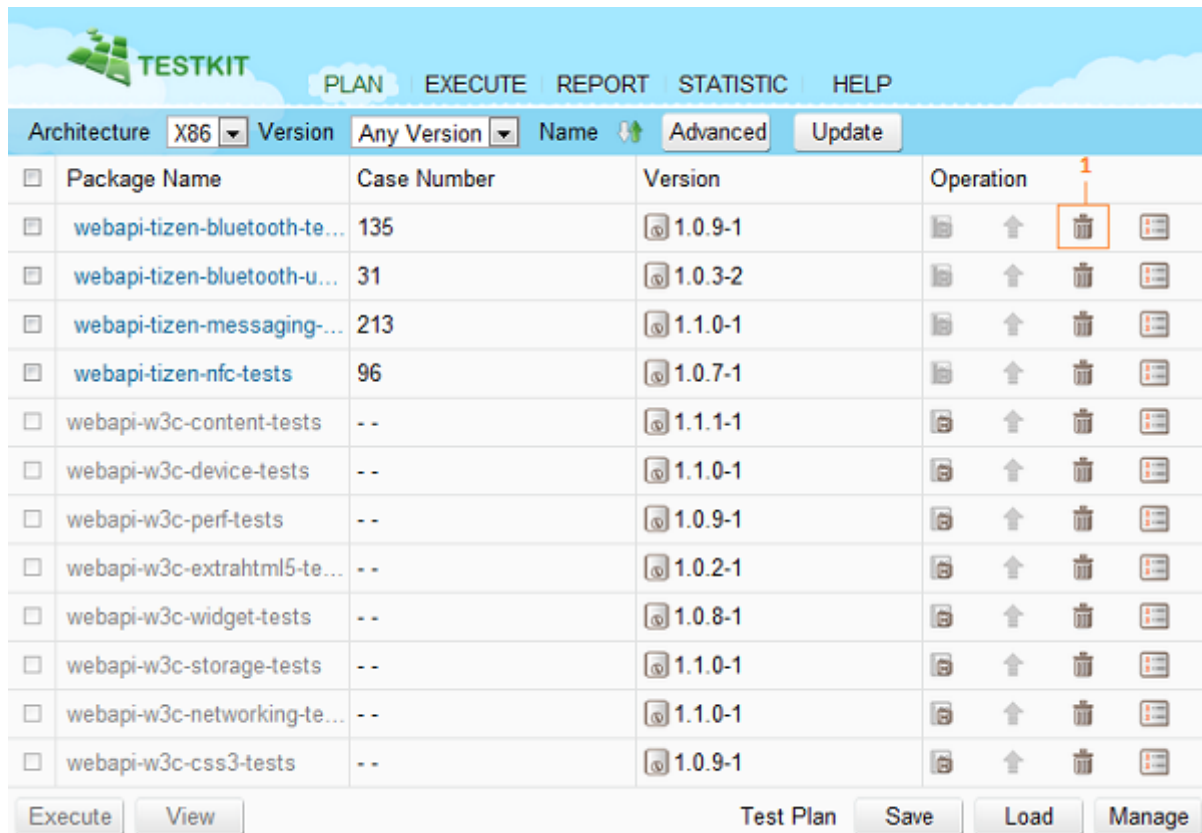


Figure 3-25 Deleting test case package

A dialog box is displayed, asking for your confirmation. Click **OK**.

3.3.4 Listing Test Case Package Information

Click the test case package name. The detailed information displays, as shown in Figure 3-26.

The screenshot shows the TESTKIT web interface. At the top, there's a navigation bar with 'PLAN', 'EXECUTE', 'REPORT', 'STATISTIC', and 'HELP'. Below this, a filter bar shows 'Architecture: X86', 'Version: Any Version', and buttons for 'Advanced' and 'Update'. The main table lists test packages. The first row is selected, and a detailed view is shown below it. This view includes fields for 'Package Name', 'Case Number', 'Version', 'Operation', 'Introduction', 'Case Number(auto manual)', 'Readme', 'Licence&Copyright', and 'Installation Path'. A list of other packages follows at the bottom.

Package Name	Case Number	Version	Operation
webapi-tizen-bluetooth-te...	135	1.0.9-1	[Icons]
Introduction None Case Number(auto manual) 0 135 Readme /opt/testkit/manager/package/webapi-tizen-bluetooth-tests/README [Icon] Licence&Copyright /opt/testkit/manager/package/webapi-tizen-bluetooth-tests/LICENSE [Icon] Installation Path /opt/testkit/manager/definition/webapi-tizen-bluetooth-tests/ [Icon]			
webapi-tizen-bluetooth-u...	31	1.0.3-2	[Icons]
webapi-tizen-messaging-...	213	1.1.0-1	[Icons]
webapi-tizen-nfc-tests	96	1.0.7-1	[Icons]
webapi-w3c-content-tests	--	1.1.1-1	[Icons]
webapi-w3c-device-tests	--	1.1.0-1	[Icons]
webapi-w3c-perf-tests	--	1.0.9-1	[Icons]
webapi-w3c-extrahtml5-te...	--	1.0.2-1	[Icons]
webapi-w3c-widget-tests	--	1.0.8-1	[Icons]
webapi-w3c-storage-tests	--	1.1.0-1	[Icons]
webapi-w3c-networking-te...	--	1.1.0-1	[Icons]
webapi-w3c-css3-tests	--	1.0.9-1	[Icons]

At the bottom, there are buttons for 'Execute', 'View', 'Test Plan', 'Save', 'Load', and 'Manage'.

Figure 3-26 Detailed test case package information

3.3.5 Update package list from repo

Click Update button ,testkit-manager will scan package list from repo, and list all the packages that not installed , we can click install icon to install these packages. At the same time, if there are newer version for the package which has been installed from repo, the update icon for this package will be enabled.We can click update icon to update this package to the latest version, as shown in Figure 3-27 and Figure 3-28.

TESTKIT PLAN EXECUTE REPORT STATISTIC HELP

Architecture X86 Version Any Version Name Advanced Update display

<input type="checkbox"/>	Package Name	Case Number		Version	Operation
<input type="checkbox"/>	webapi-tizen-bluetooth-tests	135	disabled	1.0.9-1	
<input type="checkbox"/>	webapi-tizen-bluetooth-us...	31		1.0.3-2	
<input type="checkbox"/>	webapi-tizen-messaging-t...	213		1.1.0-1	
<input type="checkbox"/>	webapi-tizen-nfc-tests	96		1.0.7-1	
<input type="checkbox"/>	webapi-w3c-content-tests	--		1.1.1-1	
<input type="checkbox"/>	webapi-w3c-device-tests	--		1.1.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--		1.0.9-1	
<input type="checkbox"/>	webapi-w3c-extrahtml5-te...	--		1.0.2-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--		1.1.0-1	
<input type="checkbox"/>	webapi-w3c-widget-tests	--		1.0.8-1	
<input type="checkbox"/>	webapi-w3c-storage-tests	--		1.1.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--		1.0.8-1	
<input type="checkbox"/>	webapi-w3c-networking-te...	--		1.1.0-1	
<input type="checkbox"/>	webapi-w3c-css3-tests	--		1.0.9-1	

Execute View disabled disabled Test Plan Save Load Manage

Figure 3-27 Update package list from repo(start)

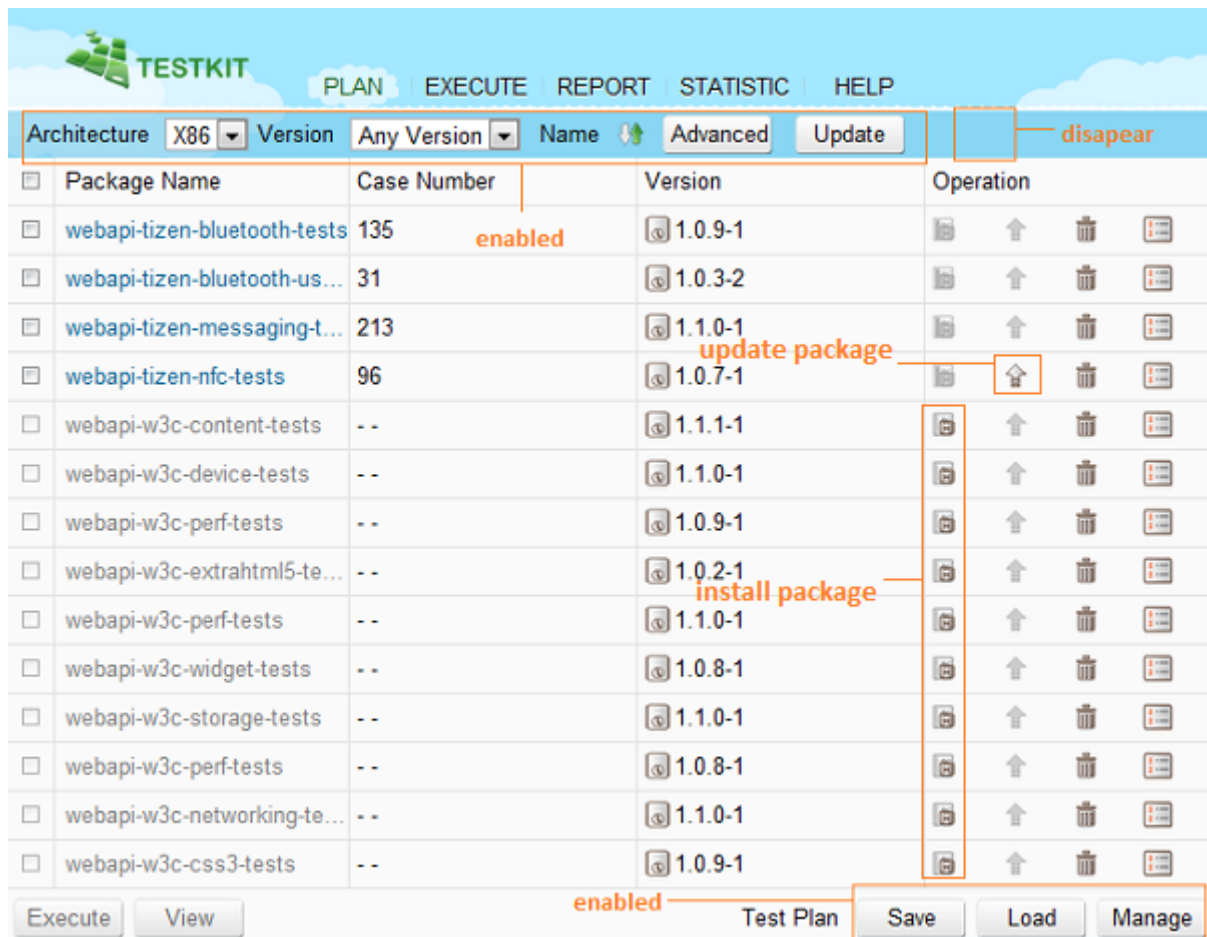


Figure 3-28 Update package list from repo(finish)

4. Executing Test Cases

4.1 Executing Auto Test Cases

You can use either of the following two ways to execute test cases:

- Filter test cases or load test plan (with auto test cases), and click **Execute** on the **CUSTOM** page.
- Select a test plan and click **Execute** on the **EXECUTE** page.

The test plan runs with log. When the profile finishes running, a test report generates automatically. Click the **Stop** button to stop executing the test plan.

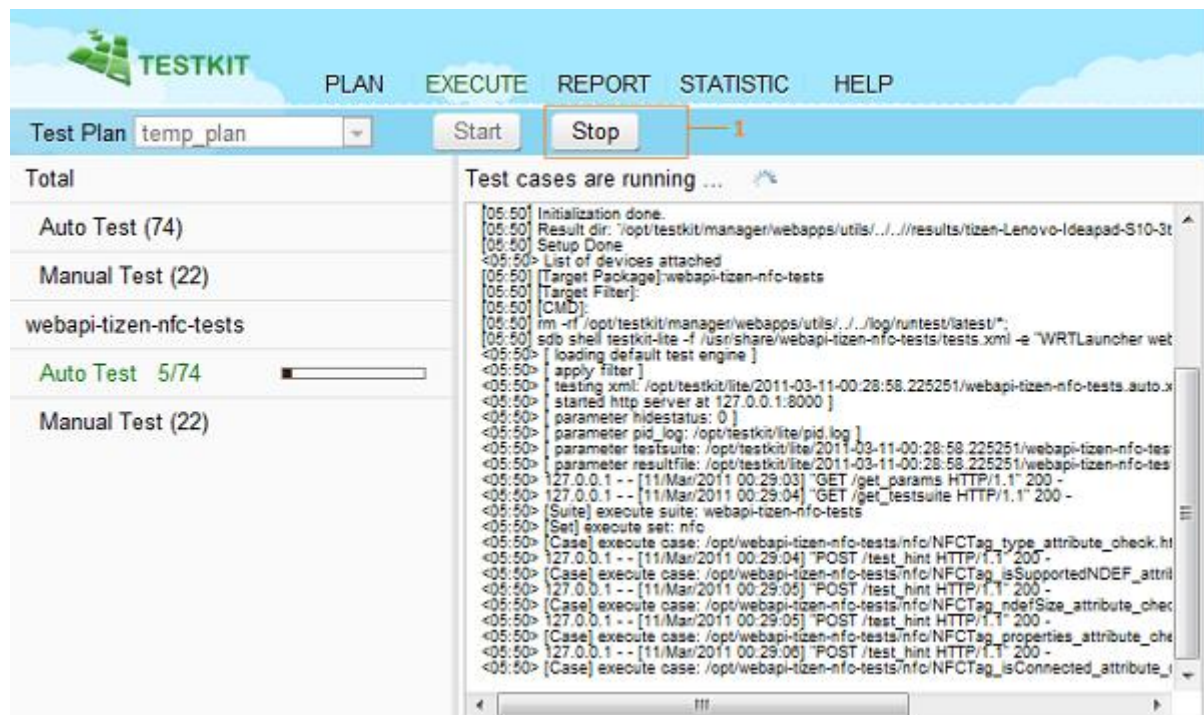


Figure 4-1 Auto test report

4.2 Executing Manual Test Cases

1. When the test plan (with manual test cases) finishes running, the page refreshes, as shown in Figure 4-2. Then, you can add the result of manual test cases:

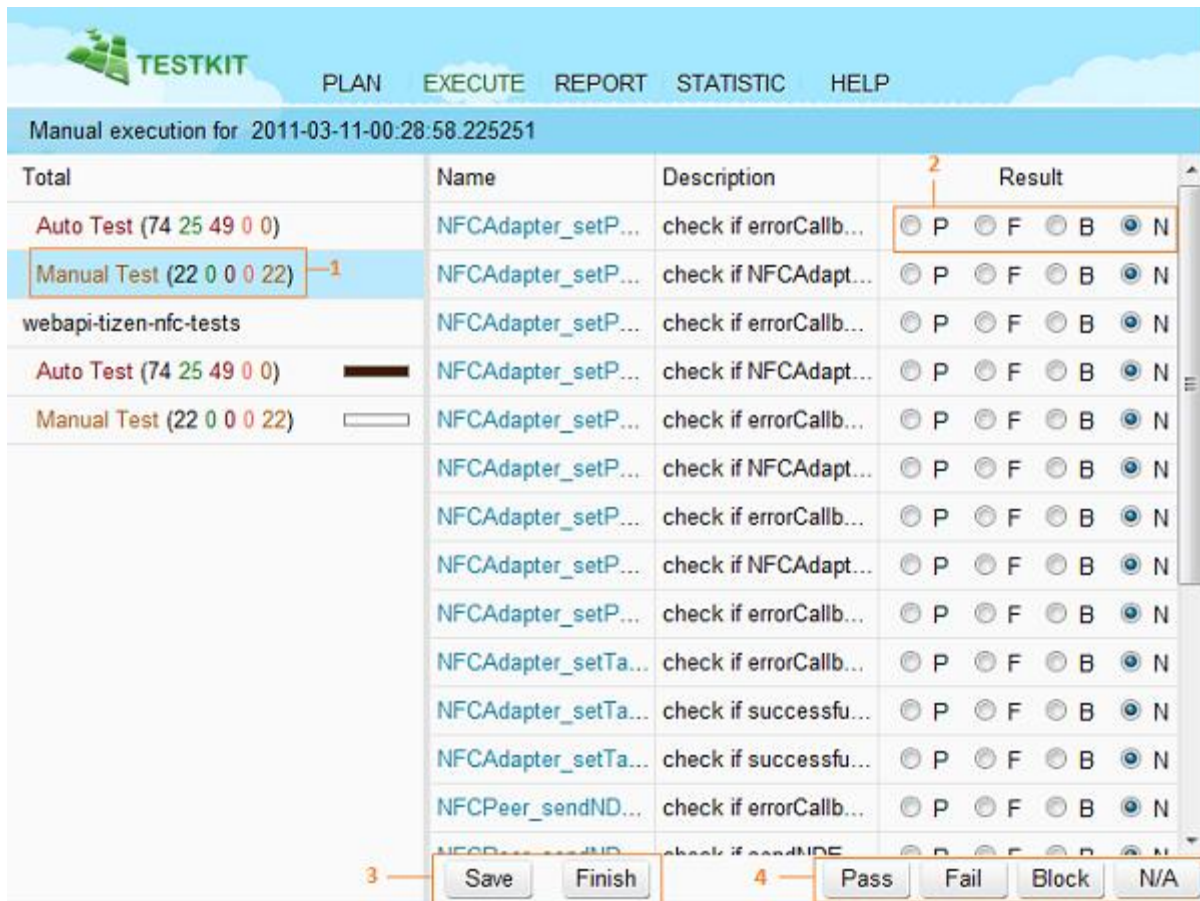


Figure 4-2 Manual test cases

- Click **Manual Test**. All the manual test cases display on the right pane of the page.
 - Run the test cases manually, obtain the results, and then select **Pass**, **Fail**, **Block** or **N/A** for the test results.
 - Click **Save**.
 - Click **Finish** to complete the execution.
2. Then, the **REPORT** page refreshes and displays, as shown in Figure 4-3. Current View method is displayed, as shown by [1] in Figure 4-3. Click **Tree View** to view test report in tree view, as shown by [2] in Figure 4-3.



PLAN EXECUTE REPORT STATISTIC HELP

Test report for 2011-03-11-00:28:58.225251 in [list view](#) — 1

List View

[Tree View](#)

Test Report

Device Information	
Device Name	Empty device_name
Device Model	Empty device_model
OS Version	Empty os_version
Device ID	Empty device_id
Firmware Version	Empty firmware_version
Screen Size	Empty screen_size
Resolution	Empty resolution
Host Info	Empty host
Others	Here is a String for testing

Test Summary	
Test Plan Name	temp_plan
Tests Total	96
Test Passed	25
Test Failed	49
Test N/A	0
Test Not Run	22
Start time	2011-03-11_00_28_58
End time	2011-03-11_00_31_59

Test Summary by Suite

Suite	Passed	Failed	N/A	Not Run	Total
webapi-tizen-nfc-tests	25	49	0	22	96

Detailed Test Results

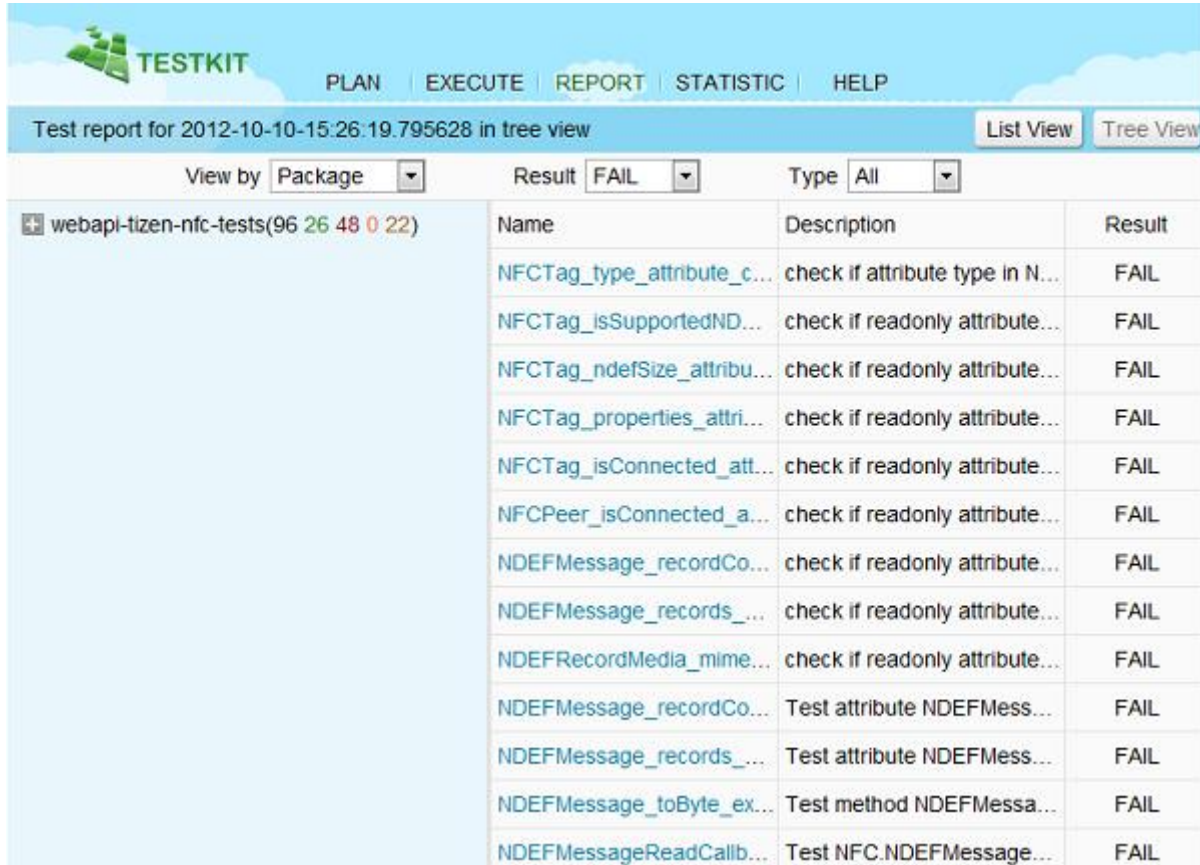
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Test Suite: webapi-tizen-nfc-tests

Case_ID	Purpose	Result	Stdout
Test Set: nfc			
ByteArraySuccessCallback_onsuccess	check if method onsuccess which belongs to interface ByteArraySuccessCallback can be called successfully	FAIL	###Test###check if me ByteArraySuccessCall successfully###Error# expected true got false tizen-nfc-tests/res/wgt tests/resources/testtha assert_true@file:///opt/ tests/res/wgt/opt/web @file:///opt/apps/org.tiz nfc-tests/nfc/ByteArra step@file:///opt/apps/or tizen-nfc-tests/resourc

Figure 4-3 Viewing test report in list view

3. View test report in tree view.




Name	Description	Result
NFCTag_type_attribute_c...	check if attribute type in N...	FAIL
NFCTag_isSupportedND...	check if readonly attribute...	FAIL
NFCTag_ndefSize_attri...	check if readonly attribute...	FAIL
NFCTag_properties_attri...	check if readonly attribute...	FAIL
NFCTag_isConnected_att...	check if readonly attribute...	FAIL
NFCPeer_isConnected_a...	check if readonly attribute...	FAIL
NDEFMessage_recordCo...	check if readonly attribute...	FAIL
NDEFMessage_records_...	check if readonly attribute...	FAIL
NDEFRecordMedia_mime...	check if readonly attribute...	FAIL
NDEFMessage_recordCo...	Test attribute NDEFMess...	FAIL
NDEFMessage_records_...	Test attribute NDEFMess...	FAIL
NDEFMessage_toByte_ex...	Test method NDEFMessa...	FAIL
NDEFMessageReadCallb...	Test NFC.NDEFMessage...	FAIL

Figure 4-4 View test report in tree view

5. Viewing Report

5.1 Viewing Summary Reports

Click the  icon to view summary reports, as shown in Figure 5-1.



Test Time	Test Plan	Device Name	Auto Status	Manual Status	Operation
2011-03-11-00:28:58.225251	temp_plan	Empty devi...	Complete	Incomplete	

1




Compare Delete

Figure 5-1 Summary reports

You can view summary information, including:

- Test environment
- Total number of test cases
- Number of passed, failed, and blocked test cases
- Test log

You can also click:

- ✓  to view detailed reports
- ✓  to download consolidated log
- ✓  to copy uniform resource locator (URL) to clipboard and paste it anywhere

5.2 Viewing Test Report in List View

After the icon shown by [1] in Figure 5-1 is clicked, the page refreshes, as shown in Figure 5-2.

Test report for 2011-03-11-00:28:58.225251 in [list view](#) 1[List View](#)[Tree View](#) 2

Test Report

Device Information	
Device Name	Empty device_name
Device Model	Empty device_model
OS Version	Empty os_version
Device ID	Empty device_id
Firmware Version	Empty firmware_version
Screen Size	Empty screen_size
Resolution	Empty resolution
Host Info	Empty host
Others	Here is a String for testing

Test Summary	
Test Plan Name	temp_plan
Tests Total	96
Test Passed	25
Test Failed	49
Test N/A	0
Test Not Run	22
Start time	2011-03-11_00_28_58
End time	2011-03-11_00_31_59

Test Summary by Suite

Suite	Passed	Failed	N/A	Not Run	Total
webapi-tizen-nfc-tests	25	49	0	22	96

Detailed Test Results

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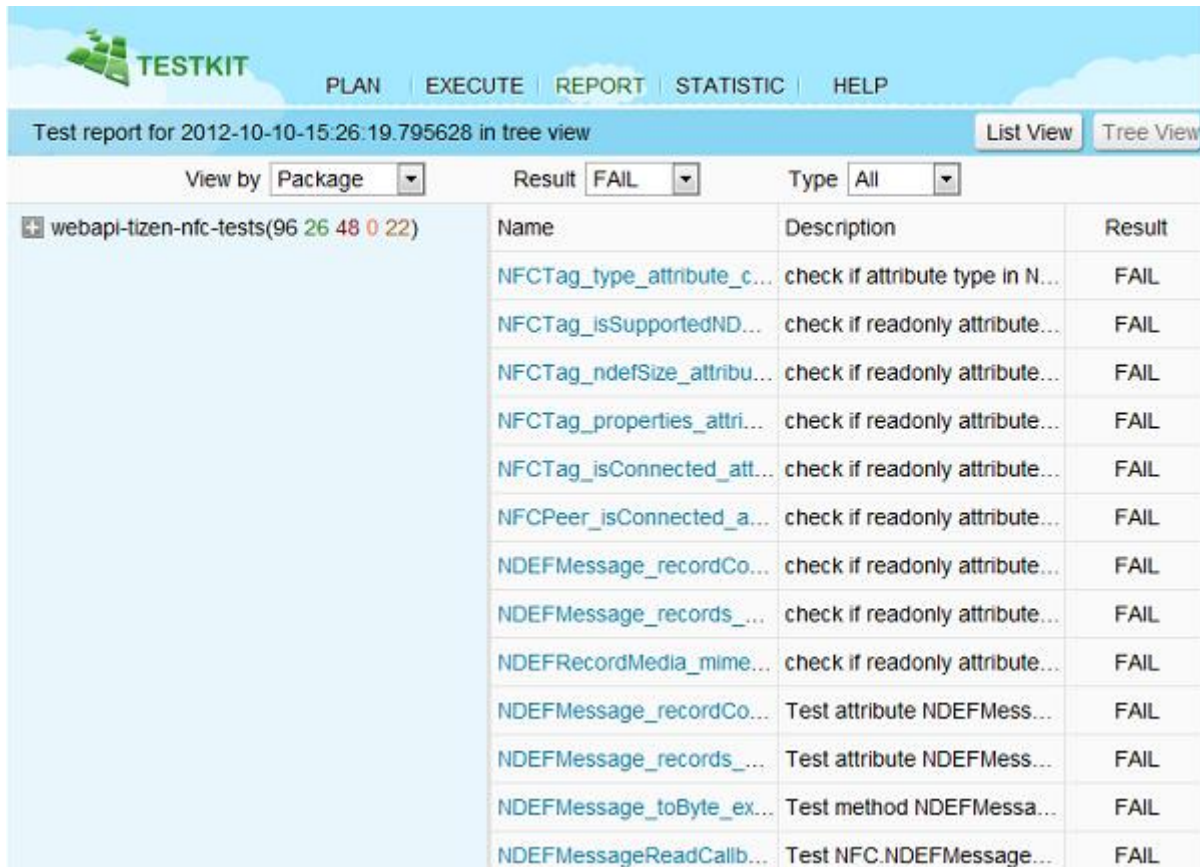
Test Suite: webapi-tizen-nfc-tests

Case_ID	Purpose	Result	Stdout
Test Set: nfc			
ByteArraySuccessCallback_onsuccess	check if method onsuccess which belongs to interface ByteArraySuccessCallback can be called successfully	FAIL	###Test###check if me ByteArraySuccessCall successfully###Error# expected true got false tizen-nfc-tests/res/wgt tests/resources/testtha assert_true@file:///opt/ tests/res/wgt/opt/web @file:///opt/apps/org.tiz nfc-tests/nfc/ByteArra step@file:///opt/apps/o tizen-nfc-tests/resourc

Figure 5-2 Viewing test report in list view

5.3 Viewing Test Report in Tree View

Click the Tree View button in Figure 5-2. The page refreshes, as shown in Figure 5-3.

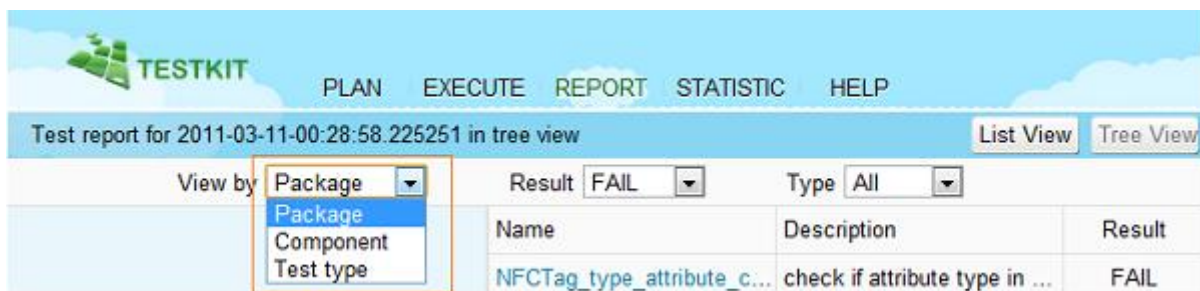


Name	Description	Result
NFCTag_type_attribute_c...	check if attribute type in N...	FAIL
NFCTag_isSupportedND...	check if readonly attribute...	FAIL
NFCTag_ndefSize_attri...	check if readonly attribute...	FAIL
NFCTag_properties_attri...	check if readonly attribute...	FAIL
NFCTag_isConnected_att...	check if readonly attribute...	FAIL
NFCPeer_isConnected_a...	check if readonly attribute...	FAIL
NDEFMessage_recordCo...	check if readonly attribute...	FAIL
NDEFMessage_records_...	check if readonly attribute...	FAIL
NDEFRecordMedia_mime...	check if readonly attribute...	FAIL
NDEFMessage_recordCo...	Test attribute NDEFMess...	FAIL
NDEFMessage_records_...	Test attribute NDEFMess...	FAIL
NDEFMessage_toByte_ex...	Test method NDEFMessa...	FAIL
NDEFMessageReadCallb...	Test NFC.NDEFMessage...	FAIL

Figure 5-3 Viewing test report in tree view

1. Select **Package** from the **View by**: drop-down list box.

Note: You can view the detailed reports by "Packages", "Component", or "Test type". The following steps use "Packages" as an example.



Name	Description	Result
NFCTag_type_attribute_c...	check if attribute type in ...	FAIL

Figure 5-4 Filtering detailed reports

2. Filter a test report by selecting **Result** and **Type**, by the same way as step 1.
3. Click the test case name to view its detailed information.

Test report for 2012-10-10-15:26:19.795628 in tree view

View by Package Result FAIL Type All

Name	Description	Result
NFCTag_type_attribute_c...	check if attribute type in N...	FAIL
NFCTag_isSupportedND...	check if readonly attribute...	FAIL
NFCTag_ndefSize_attri...	check if readonly attribute...	FAIL
NFCTag_properties_attri...	check if readonly attribute...	FAIL
NFCTag_isConnected_att...	check if readonly attribute...	FAIL

1

Figure 5-5 Detailed test case information

5.4 Useful Features

5.4.1 Submitting Report

To submit a test report to QA test tools, perform the following steps:

1. Log in to <http://localhost:8899/>.

2. Click the **REPORT** tab.

The **REPORT** tab page displays, as shown in Figure 5-6



Figure 5-6 Refreshed **REPORT** tab page

3. Select one or multiple check boxes.

The buttons **Compare** and **Delete** become available.

4. Click **Submit**, as shown [1] in Figure 5-7.

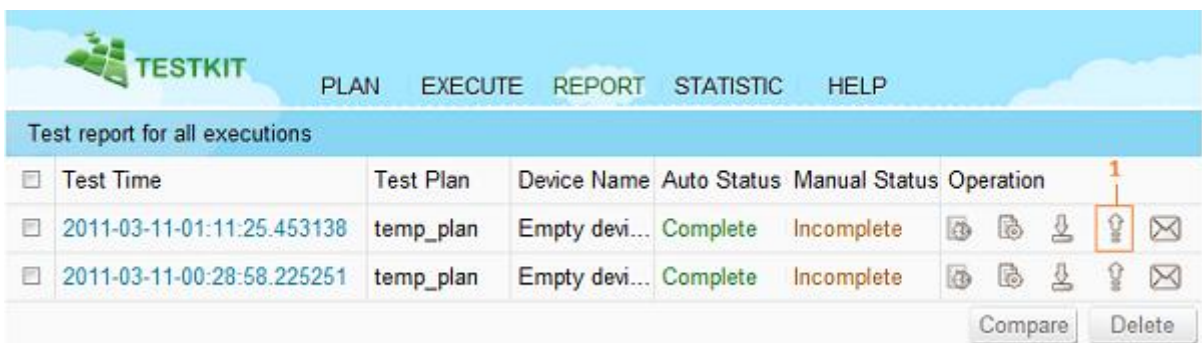


Figure 5-7 Refreshed **REPORT** tab page

5. The page refreshes, as shown in Figure 5-8.

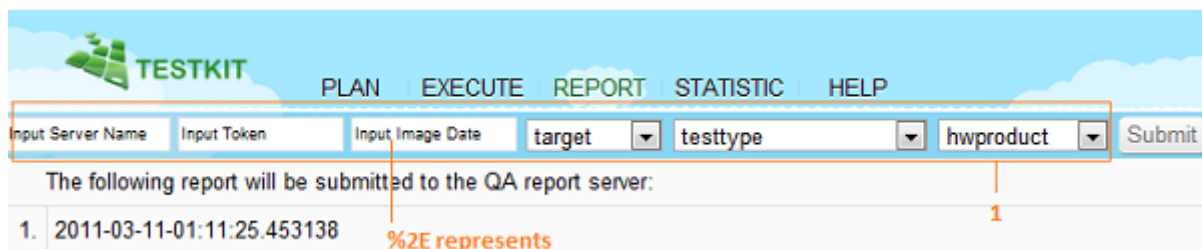


Figure 5-8 Refreshed **REPORT** tab page

- (1). Type server name in context **Input Server Name**.

- (2). Type token in context **Input Token**.

Note: The token is a string which records account and password. You can obtain it after logging in

to QA test tools.

(3). Type the report date in context **Input Image Date**.

Note: %2E is used to indicate ".". For example, type **20120319%2E5** for "20120319.5".

(4). Select values from the **target**, **testtype**, and **hwproduct** combo boxes, as shown in Figure 5-9.

Test Time	Test Plan	Device Name	Auto Status	Manual Status	Operation
2011-03-11-01:11:25.453138	temp_plan	Empty devi...	Complete	Incomplete	[Icons]

Figure 5-9 Selecting a test report to submit

(5). Click **Submit**, as shown in Figure 5-10. The report is submitted to the QA test tools.

Test Time	Test Plan	Device Name	Auto Status	Manual Status	Operation
2011-03-11-01:11:25.453138	temp_plan	Empty devi...	Complete	Incomplete	[Icons]

Figure 5-10 Submitting a test report

5.4.2 Comparing Reports

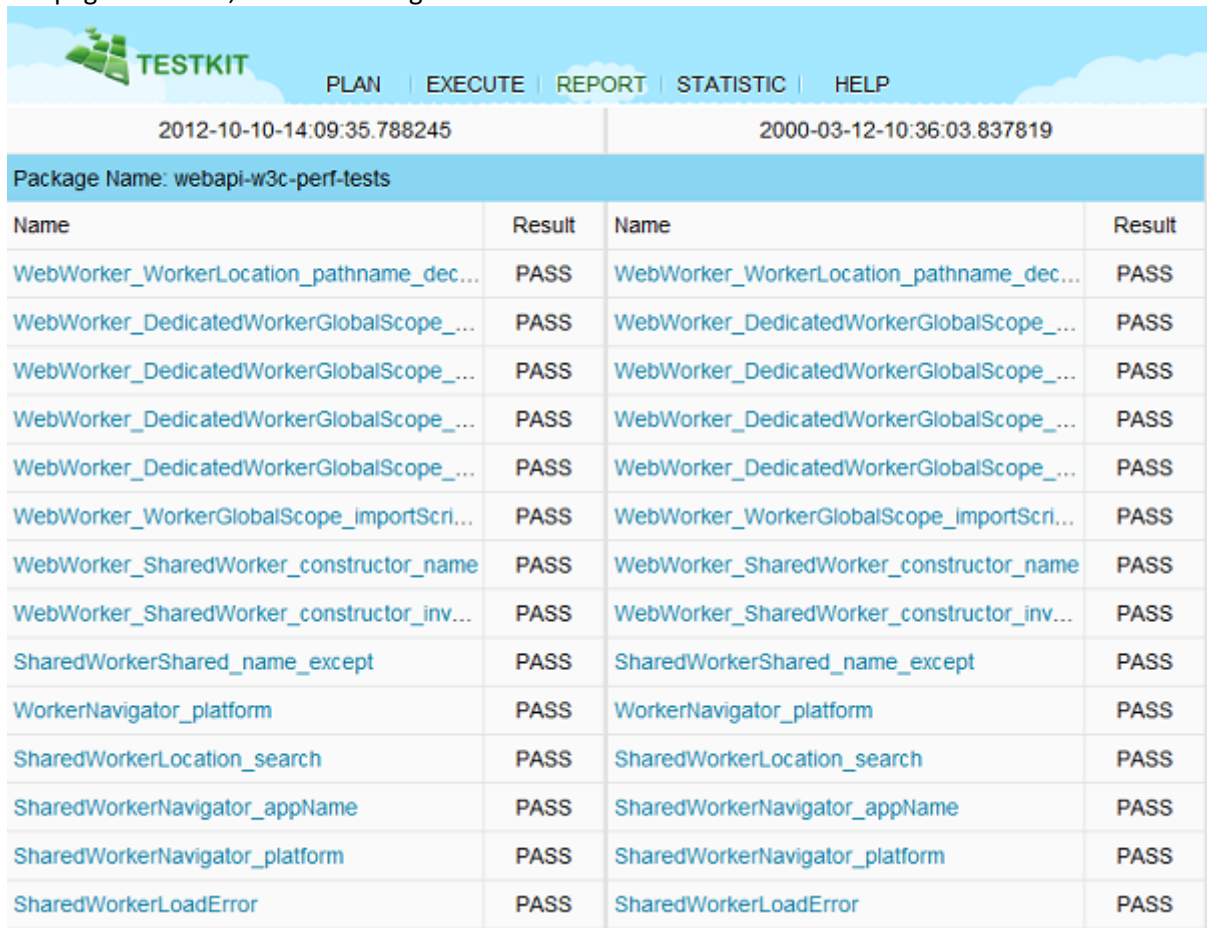
To compare reports, perform the following steps:

1. Select reports, and click the Compare button, as shown in Figure 5-11.

Test Time	Test Plan	Device Name	Auto Status	Manual Status	Operation
2011-03-11-01:11:25.453138	temp_plan	Empty devi...	Complete	Incomplete	[Icons]
2011-03-11-00:28:58.225251	temp_plan	Empty devi...	Complete	Incomplete	[Icons]

Figure 5-11 Comparing reports (1)

2. The page refreshes, as shown in Figure 5-12.



Package Name: webapi-w3c-perf-tests			
Name	Result	Name	Result
WebWorker_WorkerLocation_pathname_dec...	PASS	WebWorker_WorkerLocation_pathname_dec...	PASS
WebWorker_DedicatedWorkerGlobalScope_...	PASS	WebWorker_DedicatedWorkerGlobalScope_...	PASS
WebWorker_DedicatedWorkerGlobalScope_...	PASS	WebWorker_DedicatedWorkerGlobalScope_...	PASS
WebWorker_DedicatedWorkerGlobalScope_...	PASS	WebWorker_DedicatedWorkerGlobalScope_...	PASS
WebWorker_DedicatedWorkerGlobalScope_...	PASS	WebWorker_DedicatedWorkerGlobalScope_...	PASS
WebWorker_WorkerGlobalScope_importScri...	PASS	WebWorker_WorkerGlobalScope_importScri...	PASS
WebWorker_SharedWorker_constructor_name	PASS	WebWorker_SharedWorker_constructor_name	PASS
WebWorker_SharedWorker_constructor_inv...	PASS	WebWorker_SharedWorker_constructor_inv...	PASS
SharedWorkerShared_name_except	PASS	SharedWorkerShared_name_except	PASS
WorkerNavigator_platform	PASS	WorkerNavigator_platform	PASS
SharedWorkerLocation_search	PASS	SharedWorkerLocation_search	PASS
SharedWorkerNavigator_appName	PASS	SharedWorkerNavigator_appName	PASS
SharedWorkerNavigator_platform	PASS	SharedWorkerNavigator_platform	PASS
SharedWorkerLoadError	PASS	SharedWorkerLoadError	PASS

Figure 5-12 Comparing reports (2)

5.4.3 Deleting Report

To delete a test report, perform the following steps:

1. Select one or multiple test reports, as shown in Figure 5-13.

PLAN

EXECUTE

REPORT

STATISTIC

HELP

Test report for all executions

<input type="checkbox"/>	Test Time	Test Plan	Device Name	Auto Status	Manual Status	Operation
<input type="checkbox"/>	2011-03-11-01:11:25.453138	temp_plan	Empty devi...	Complete	Incomplete	<div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>
<input checked="" type="checkbox"/>	2011-03-11-00:28:58.225251	temp_plan	Empty devi...	Complete	Incomplete	<div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>Compare</div> <div>Delete</div> </div>

Figure 5-13 Deleting test report(s)

2. Click **Delete**. An alert pops up, as shown in Figure 5-14.

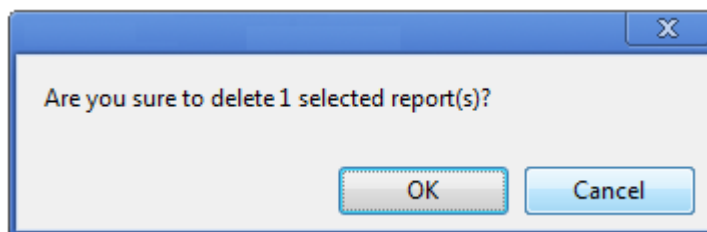




Figure 5-14 Confirmation dialog box (5)

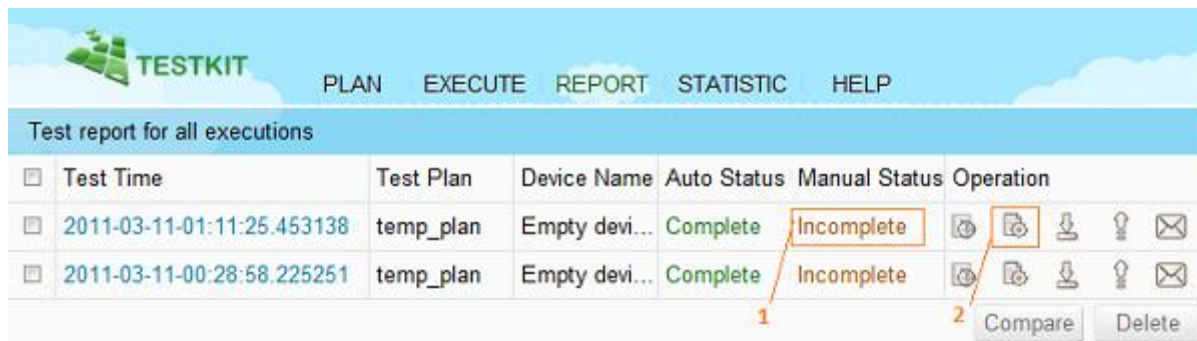
- Click **OK**. → The report is deleted.
- Click **Cancel**. → The report is not deleted.

5.4.4 Complete Report with Manual Test Cases

The test case packages include manual test cases whose results need to be submitted to the report manually.

As Figure 5-15 tells:

- If Manual Status is “Complete”, the  button becomes unavailable with the title "Execution Complete".
- If Manual Status is “Incomplete”, the  button becomes available with the title "Continue Execution".














<input type="checkbox"/>	Test Time	Test Plan	Device Name	Auto Status	Manual Status	Operation
<input type="checkbox"/>	2011-03-11-01:11:25.453138	temp_plan	Empty devi...	Complete	Incomplete	    
<input type="checkbox"/>	2011-03-11-00:28:58.225251	temp_plan	Empty devi...	Complete	Incomplete	    

Figure 5-15 Manual test cases report

1. Click . The page refreshes, as shown in Figure 5-16. Then, you can select the result of manual test cases.

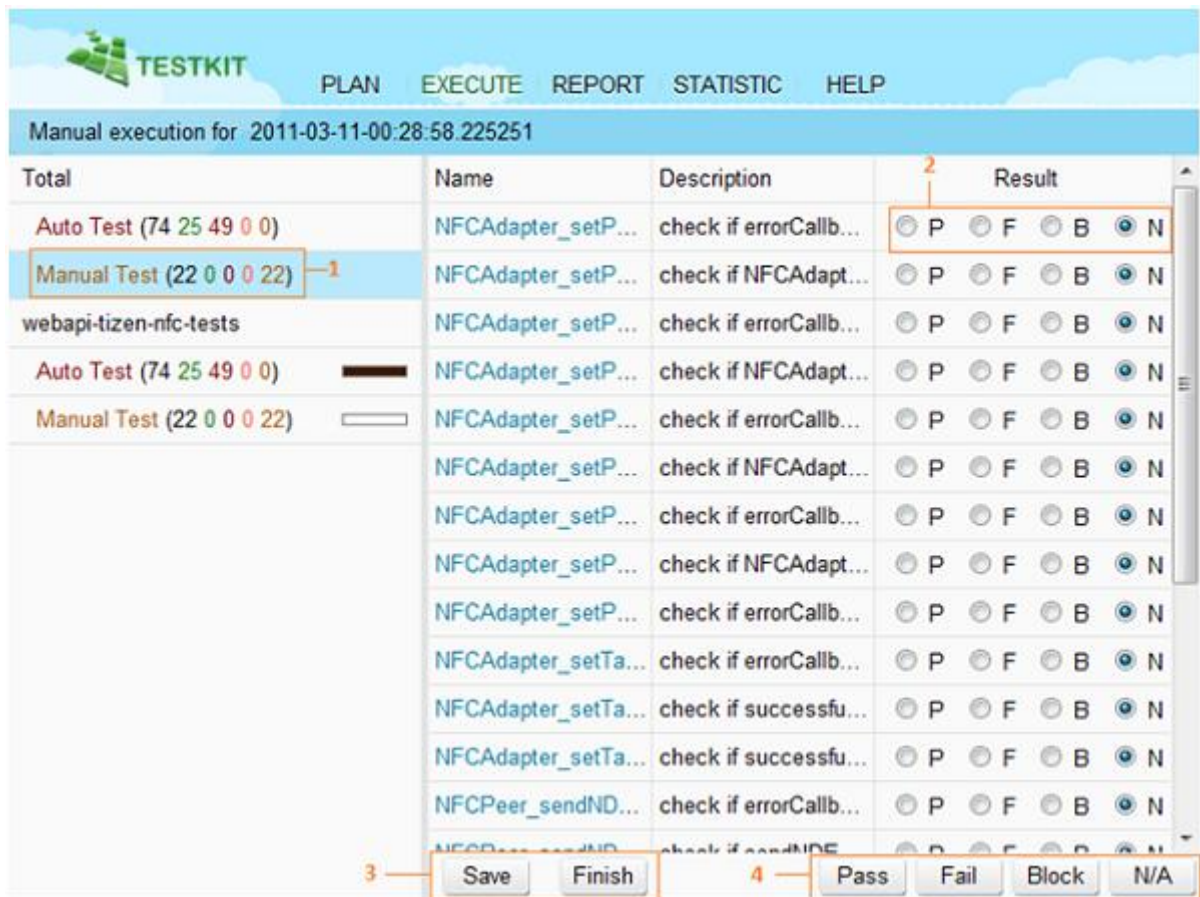



Figure 5-16 Selecting result of manual test cases



Caution: Use caution in the following step, for the result cannot be changed after it.

- Click **FINISH** to refresh the **REPORT** tab page. The  button becomes unavailable.

6. Statistic Test Case

1. Click the **STATISTIC** tab to view statistics by package chart. The page refreshes, as shown in Figure 6-1. The filter function becomes available.

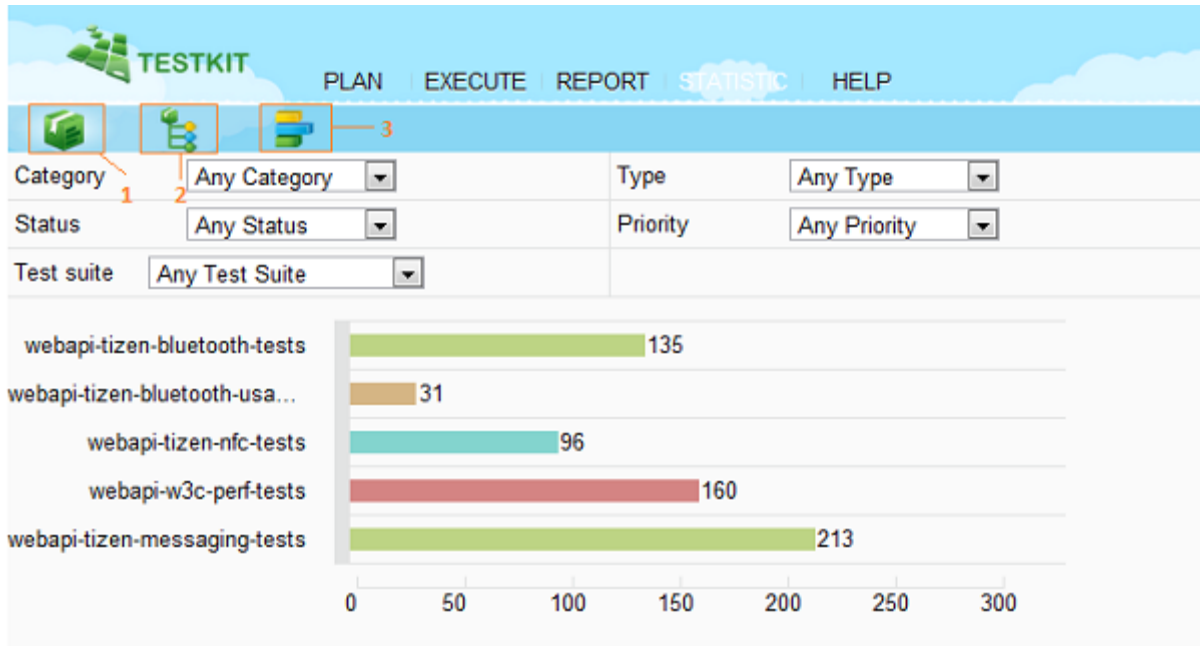


Figure 6-1 Viewing statistics by package chart

2. Click the icon marked by [2] in Figure 6-1 to view statistic by tree diagram. The page refreshes, as shown in Figure 6-2. The filter function becomes available.

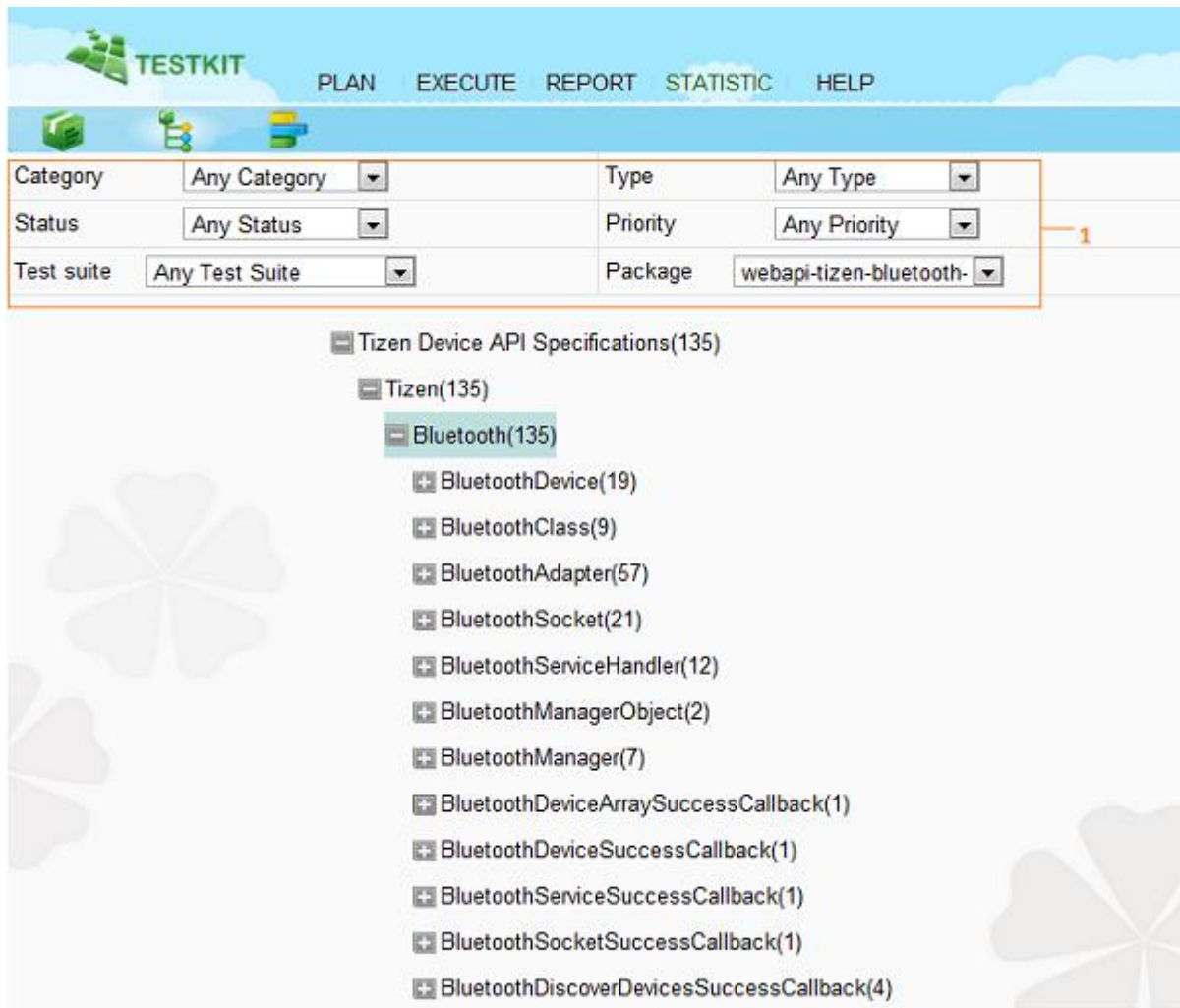


Figure 6-2 Viewing statistics by tree diagram

- Click the icon marked by [2] in Figure 6-1 to view statistics by component chart. The page refreshes, as shown in Figure 6-3. The filter function becomes available.

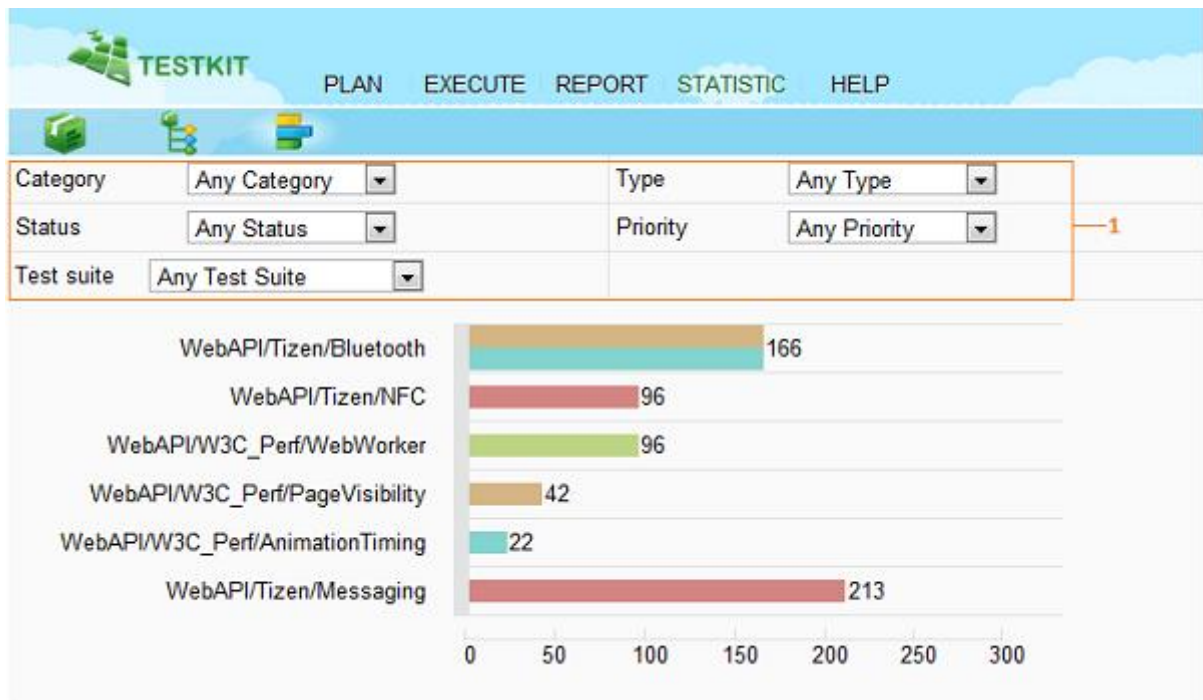


Figure 6-3 Viewing statistics by component chart