

# 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. Installation

1. git source code
  - git clone <https://github.com/testkit/testkit-manager.git>
2. build rpm package
  - cd testkit-manager; ./pack
3. install dependence packages on host
  - Host (ubuntu11.10)
    - sudo apt-get install libxml-simple-perl
    - sudo apt-get install libdigest-sha-perl
    - sudo apt-get install libjson-perl
    - sudo apt-get install libio-pty-easy-perl
    - sudo apt-get install libxml-libxslt-perl
    - sudo apt-get install cpanminus
    - sudo apt-get install rpm
  - Host (fedora17)
    - sudo yum install wget
    - sudo yum install perl-libxml-perl
    - sudo yum install perl-App-cpanminus
    - sudo yum install perl-Digest-SHA
    - sudo yum install perl-XML-Simple
    - sudo yum install perl-XML-LibXSLT
4. install testkit-manger on host
  - Host (ubuntu11.10)
    - sudo rpm -ivhtestkit-manager-x.x.x-x.noarch.rpm --nodeps
  - Host (fedora17)
    - sudo rpm -ivhtestkit-manager-x.x.x-x.noarch.rpm
5. install 'sdb' on host
  - sudo cp <somewhere>/sdb /usr/bin
  - sudo chmod 755 /usr/bin/sdb
6. connect device
  - power on device
  - connect USB
  - type command 'sudodb devices' from the host to check if the device is really connected
7. configure repository of test packages

Please put test packages to /home/package

If you have your own place to save the test packages, you also can configure the repository of test packages in configuration file '/opt/testkit/manager/CONF'

```
repo_url=<repo address>
```

<repo address> can be a remote server address or a local path on the host machine
8. startup
  - type command 'sudo /opt/testkit/manager/webapps/bin/testkit\_start.pl' from the host
  - open web page on browser: <http://<test-machine-name>:8899>

### 3. Customizing Tests

#### 3.1 Filtering Test Cases

You can filter test cases according to their property values:

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

To filter test cases, perform the following steps:

1. Login 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.

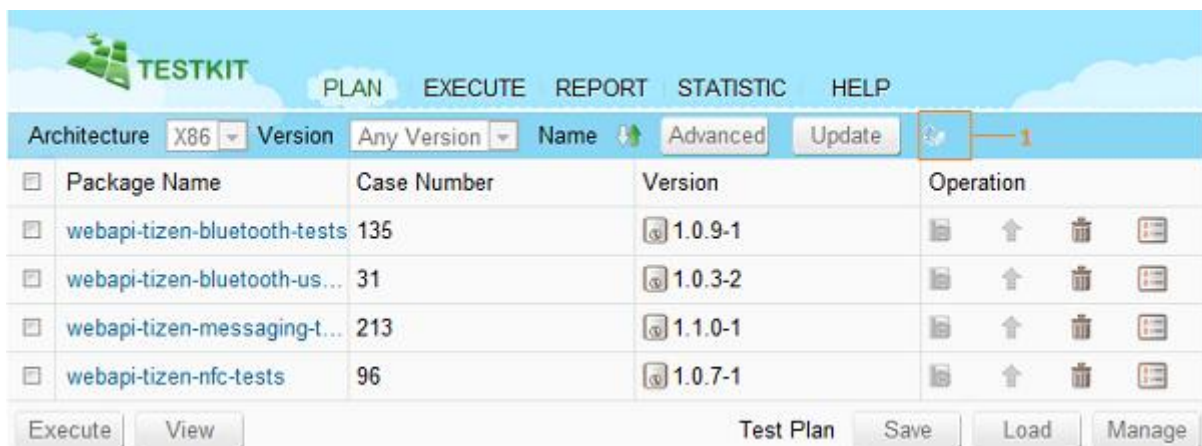


Figure 3-1 CUSTOM tab page in loading progress

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.

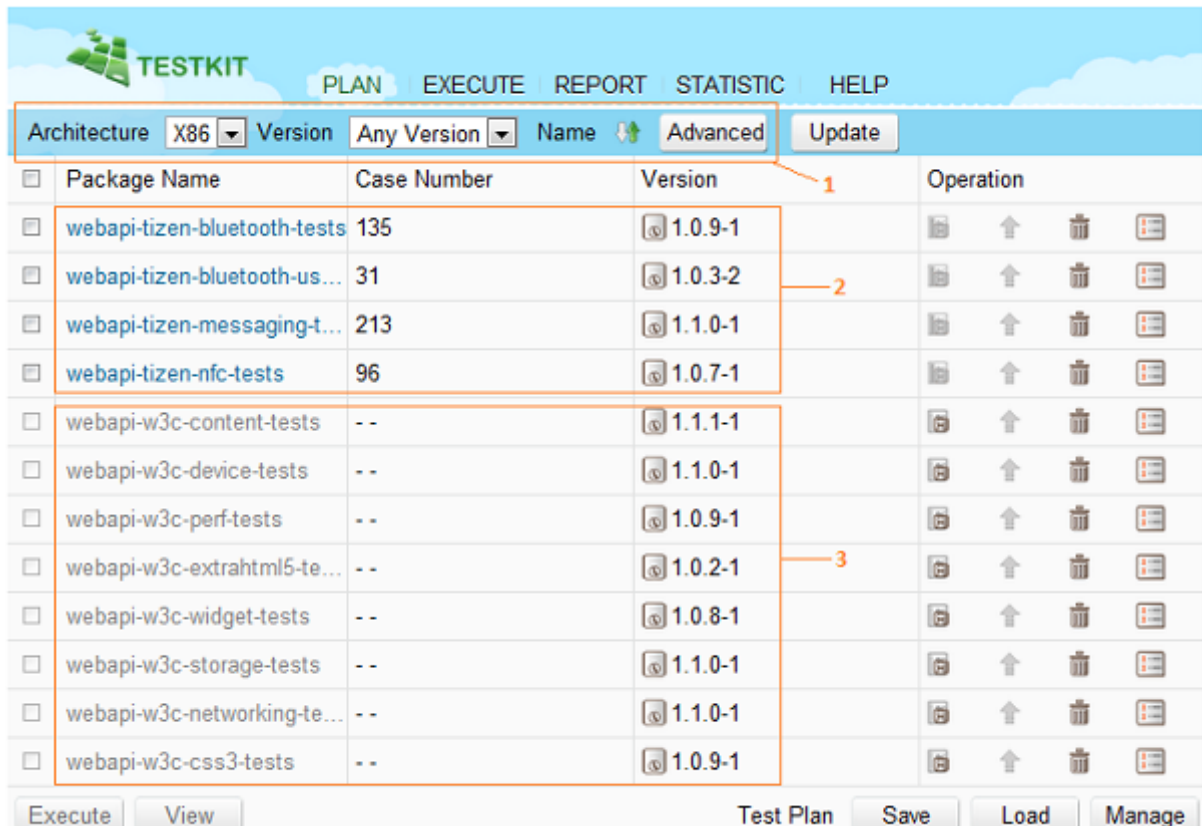


Figure3-2 CUSTOM tab page

### 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.

TESTKIT

PLAN EXECUTE REPORT STATISTIC HELP

Architecture X86 Version Any Version Name Normal Update

Category Any Category Priority Any Priority

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	[Icons]
webapi-tizen-bluetooth-us...	31	1.0.3-2	[Icons]
webapi-tizen-messaging-t...	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]

Execute View Test Plan Save Load Manage

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

- 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 1

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 type="checkbox"/>	webapi-tizen-bluetooth-tests	135	1.0.9-1	
<input type="checkbox"/>	webapi-tizen-bluetooth-us...	31	1.0.3-2 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 3-4 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 1

Status Any Status Execution Type auto 2

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 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 3-5 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.

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
<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]

Execute View Test Plan Save Load Manage

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.



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
<input checked="" type="checkbox"/> webapi-tizen-bluetooth-tests	135	1.0.9-1	[Icons]
<input checked="" type="checkbox"/> webapi-tizen-bluetooth-us...	31	1.0.3-2	[Icons]
<input 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]

Execute View Test Plan Close Load Manage

Save as a new test plan Save

Overwrite an existing test plan <no plans present> Save View

Figure 3-7 Clicking the Save button

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

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
<input checked="" type="checkbox"/> webapi-tizen-bluetooth-tests	135	1.0.9-1	[Icons]
<input checked="" type="checkbox"/> webapi-tizen-bluetooth-us...	31	1.0.3-2	[Icons]
<input 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]

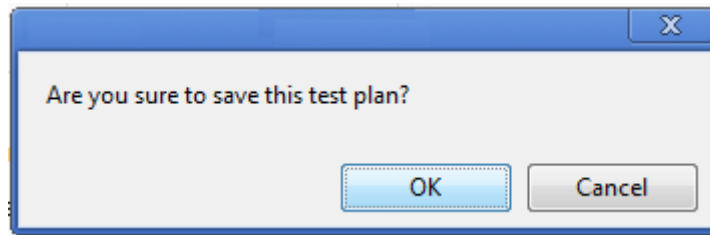
Execute View Test Plan Close Load Manage

Save as a new test plan bluetooth\_test\_plan Save

Overwrite an existing test plan <no plans present> Save View

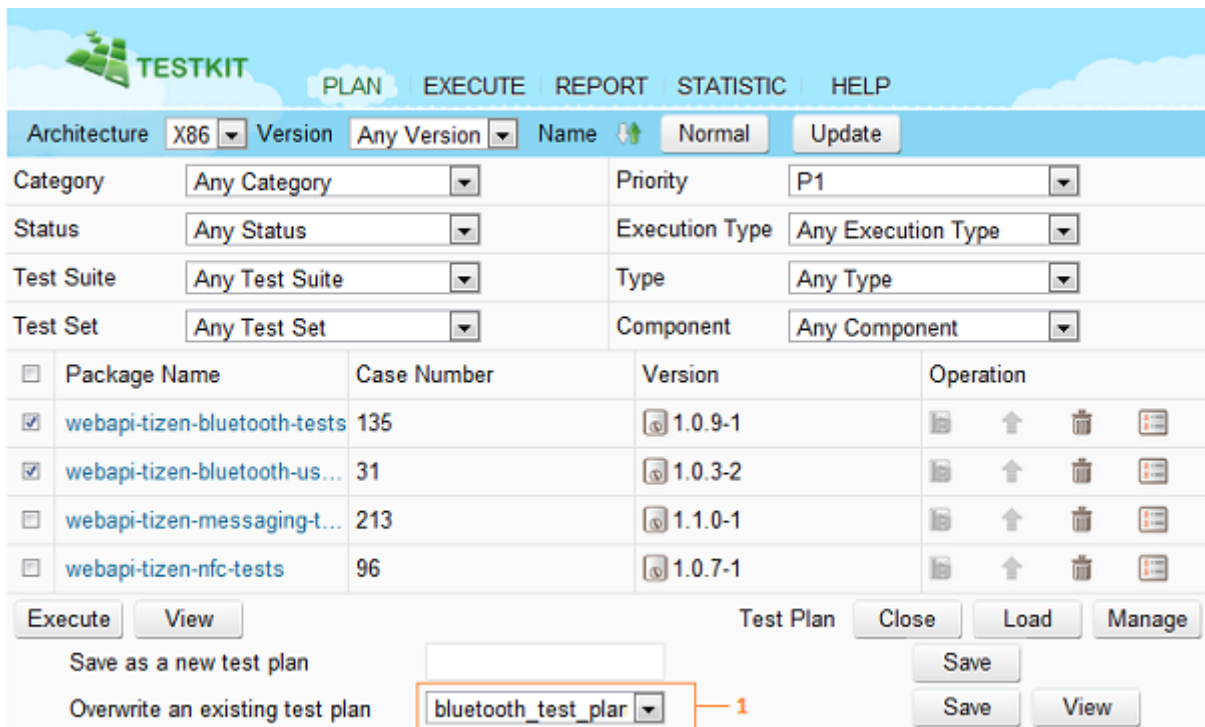
Figure 3-8 Entering the test plan name(1)

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



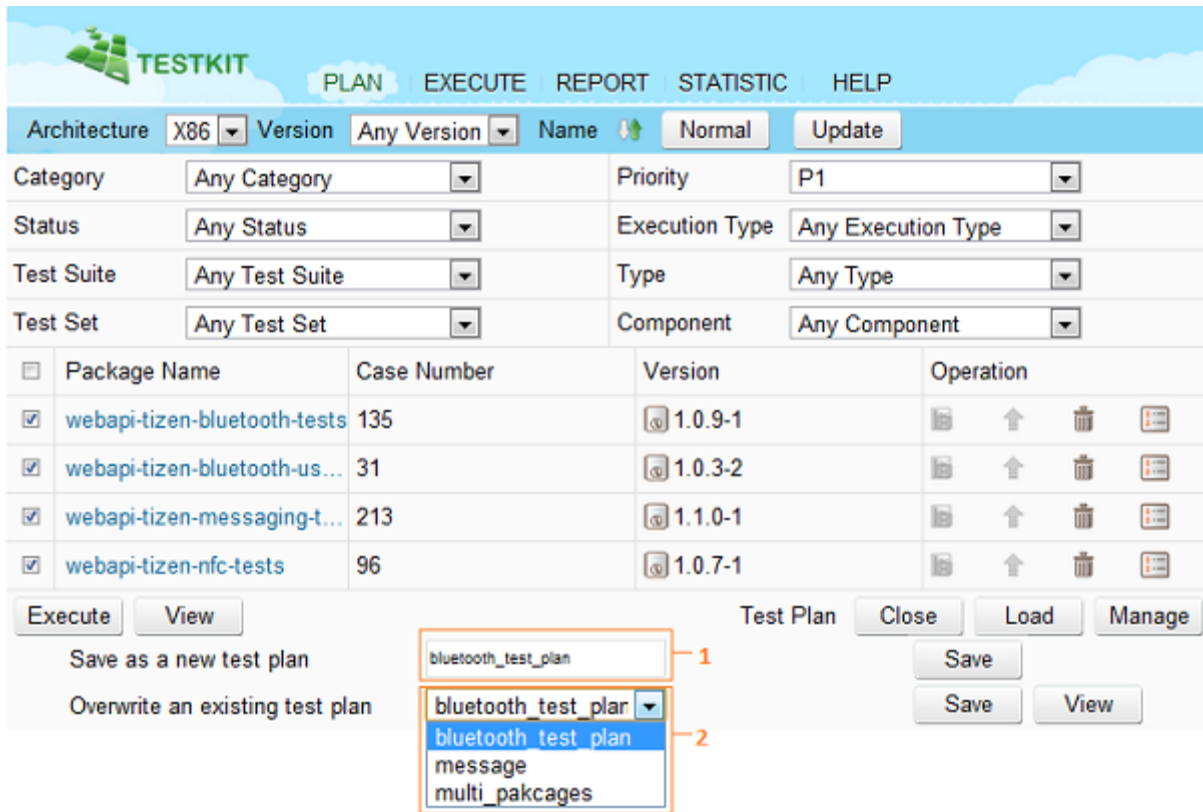
**Figure 3-9**Confirmation dialog box (1)

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



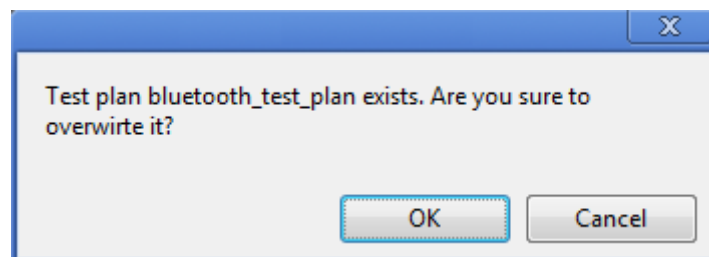
**Figure 3-10**Entering the test plan name (2)

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.

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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	[Icons]
<input checked="" type="checkbox"/>	webapi-tizen-bluetooth-us...	31	1.0.3-2	[Icons]
<input 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]

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	--

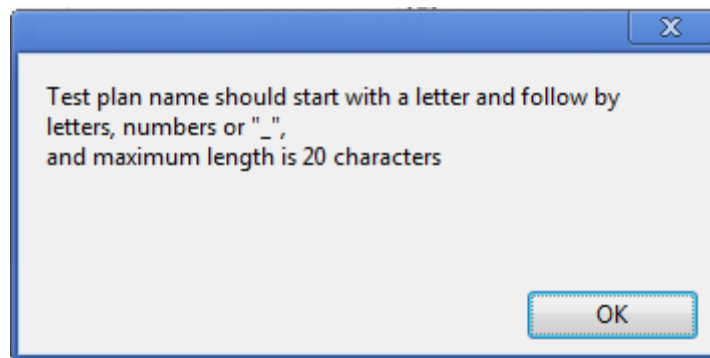
3

4 — **Close**

**Figure 3-14** Viewing popup page

Note:

Do not leave **test planname** 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.

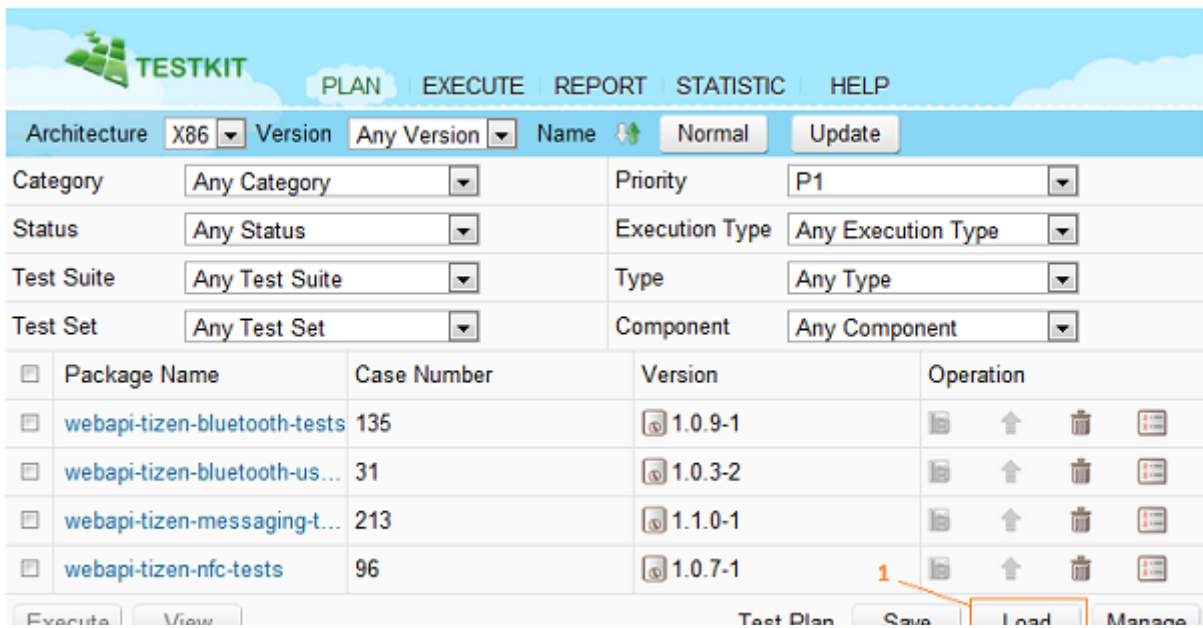


Figure 3-16 Clicking the Load button(1)

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**.

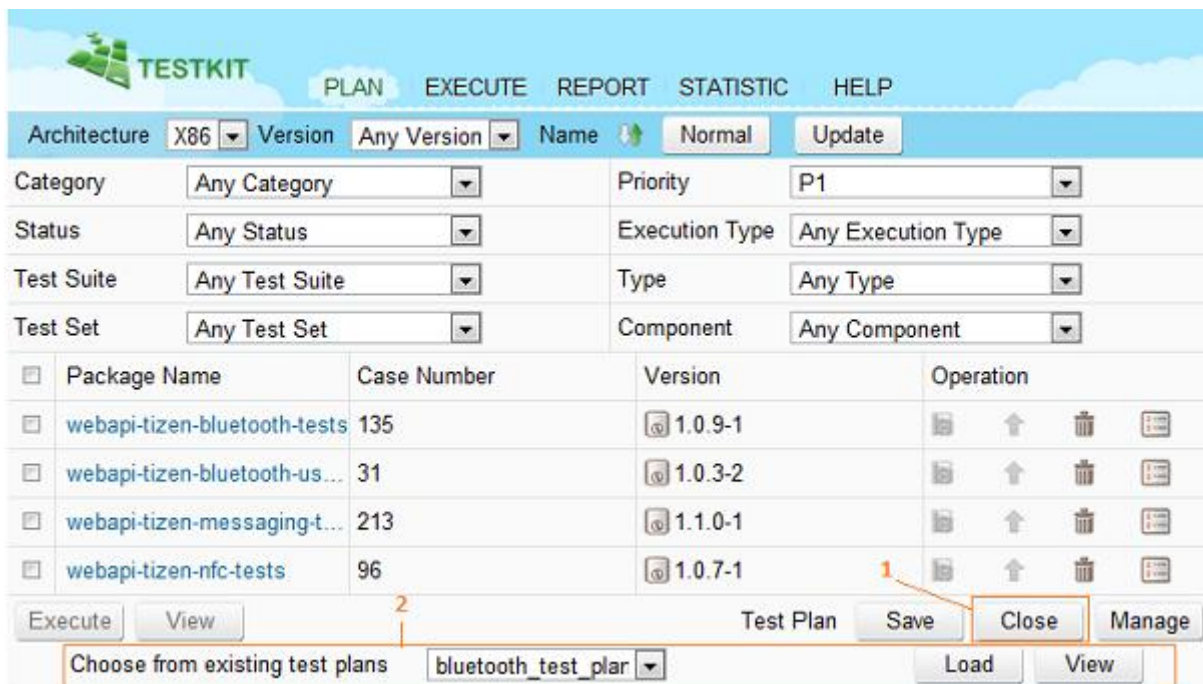


Figure 3-17 Clicking the Load button(2)

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

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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.



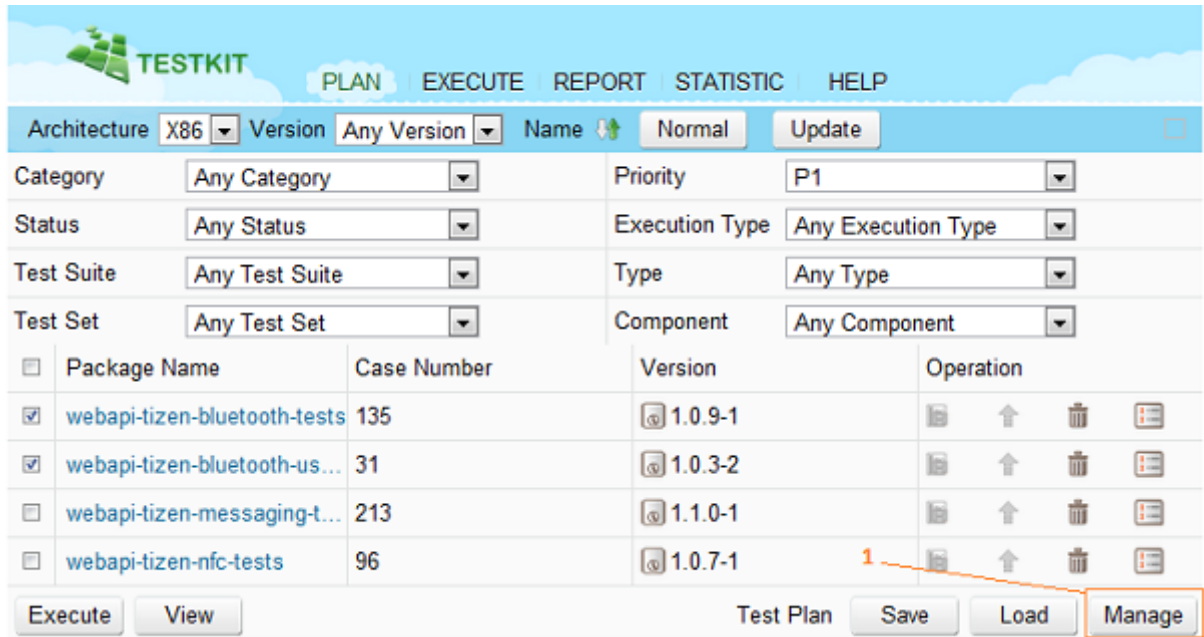


Figure 3-19 Managingtest plan(1)

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.

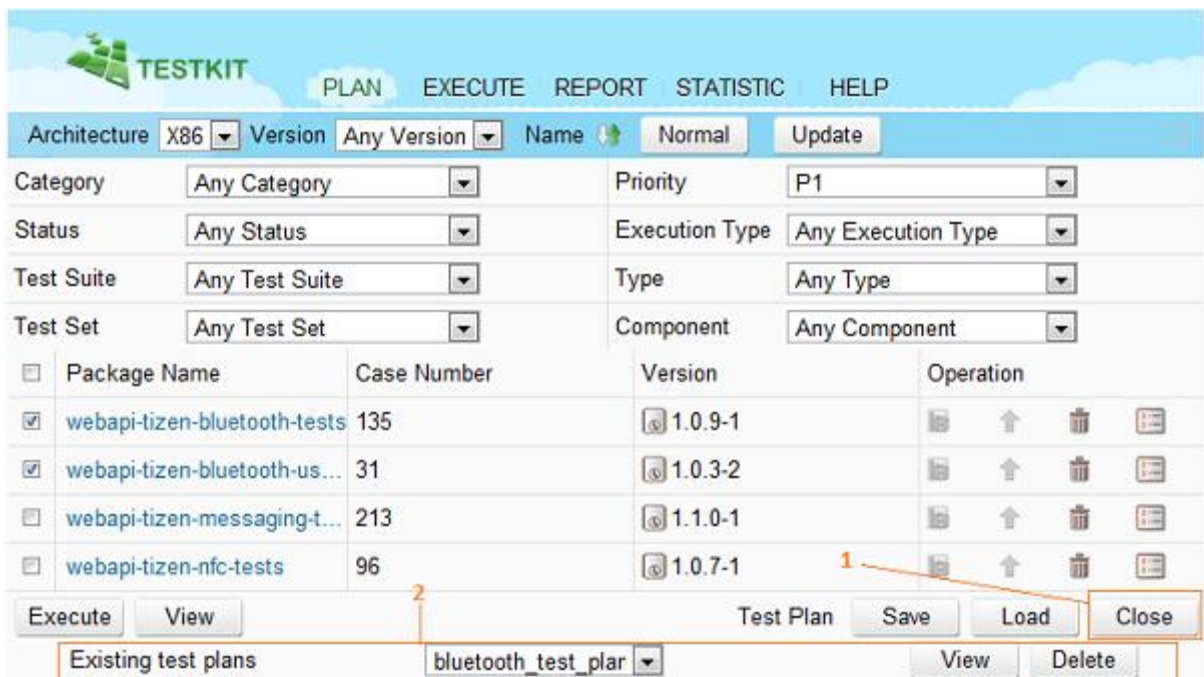


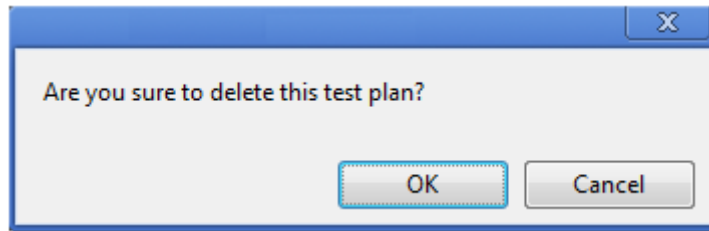
Figure 3-20 Managingtest plan(2)

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

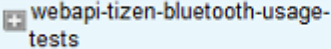
**Figure 3-22** Viewing test cases in list view

- 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



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...

Expected Result:

bluetooth usage of checkdeviceinfo shoul...

Notes:

[Spec UsageMethods]Tizen Device API Specifications:Tizen.B...

Test Script Entry:

/opt/webapi-tizen-bluetooth-usage-tests/Bluetooth/bluetooth\_ch...

Test Script Expected Result:

0

Result Info

Actual result:

none

Start:

none

End:

none

Stdout:

none

Stderr:

none

Measurement

Name:

none

Value:

none

Unit:

none

Target:

none

Failure:

none

Spec

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

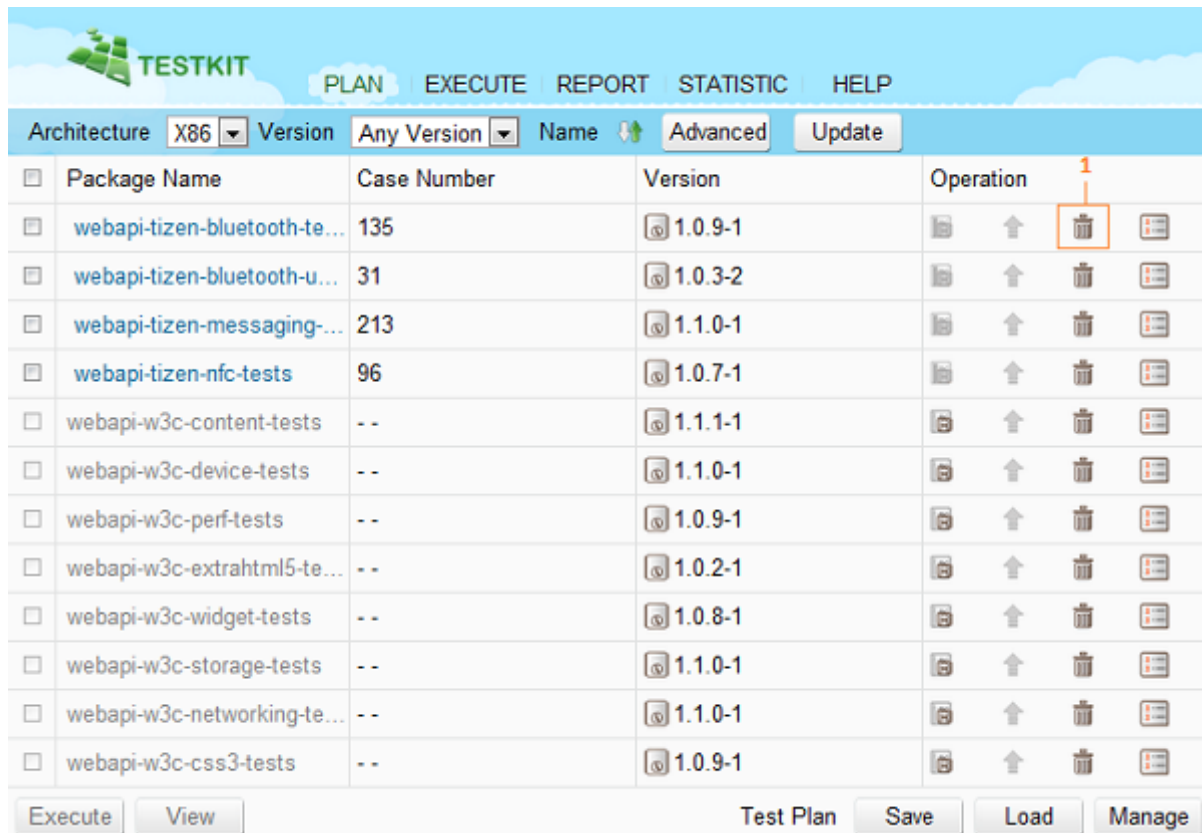
<input type="checkbox"/>	Package Name	Case Number	Version	Operation
<input type="checkbox"/>	webapi-tizen-bluetooth-te...	135	1.0.9-1	
<input type="checkbox"/>	webapi-tizen-bluetooth-u...	31	1.0.3-2	
<input type="checkbox"/>	webapi-tizen-messaging-...	213	1.1.0-1	
<input type="checkbox"/>	webapi-tizen-nfc-tests	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 ListingTest Case Package Information

Click thetest 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, showing details for 'webapi-tizen-bluetooth-tests' (Case Number 135, Version 1.0.9-1). A pop-up window displays the package details:

Introduction	None
Case Number(auto manual)	0 135
Readme	/opt/testkit/manager/package/webapi-tizen-bluetooth-tests/README
Licence&Copyright	/opt/testkit/manager/package/webapi-tizen-bluetooth-tests/LICENSE
Installation Path	/opt/testkit/manager/definition/webapi-tizen-bluetooth-tests/

Below the pop-up, a list of other packages is shown:

Package Name	Case Number	Version	Operation
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**Detailedtest 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)

**TESTKIT** PLAN EXECUTE REPORT STATISTIC HELP

Architecture: X86 Version: Any Version Name: Advanced Update

Package Name Case Number Version Operation

webapi-tizen-bluetooth-tests 135 enabled 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

webapi-w3c-content-tests -- 1.1.1-1

webapi-w3c-device-tests -- 1.1.0-1

webapi-w3c-perf-tests -- 1.0.9-1

webapi-w3c-extrahtml5-te... -- 1.0.2-1

webapi-w3c-perf-tests -- 1.1.0-1

webapi-w3c-widget-tests -- 1.0.8-1

webapi-w3c-storage-tests -- 1.1.0-1

webapi-w3c-perf-tests -- 1.0.8-1

webapi-w3c-networking-te... -- 1.1.0-1

webapi-w3c-css3-tests -- 1.0.9-1

Execute View Test Plan Save Load Manage

Annotations: disappear, update package, install package, enabled

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



## 4. Executing Test Cases

### 4.1 ExecutingAutoTest 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.

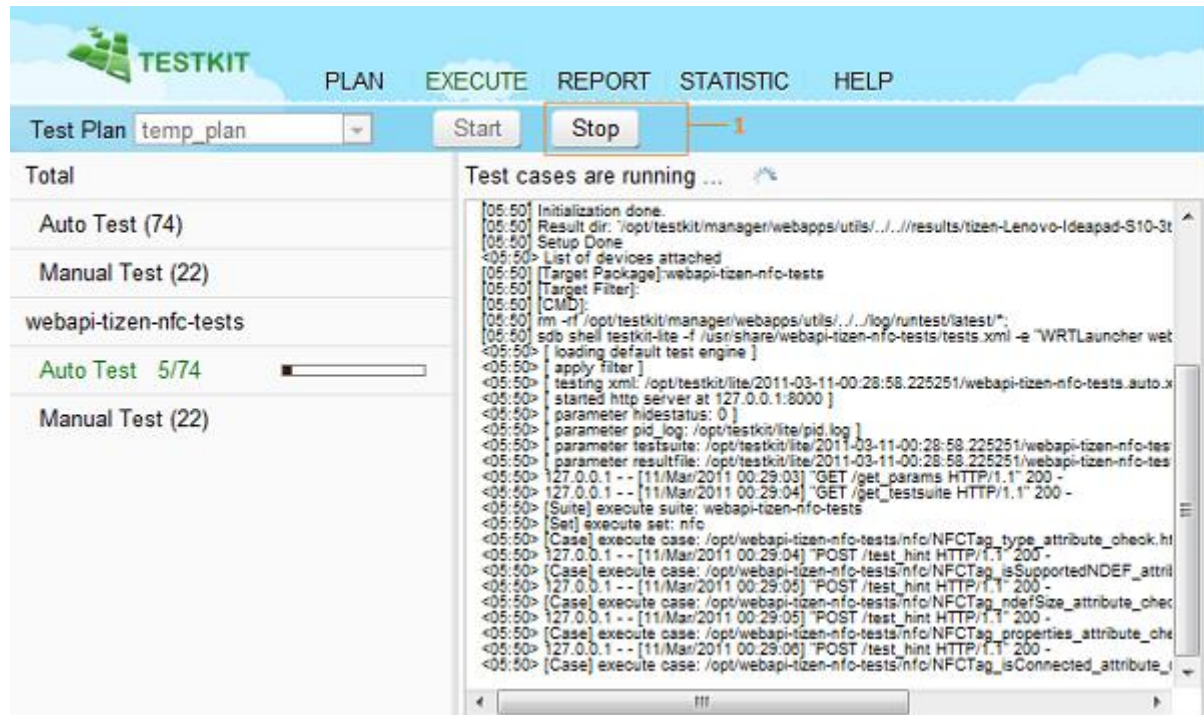
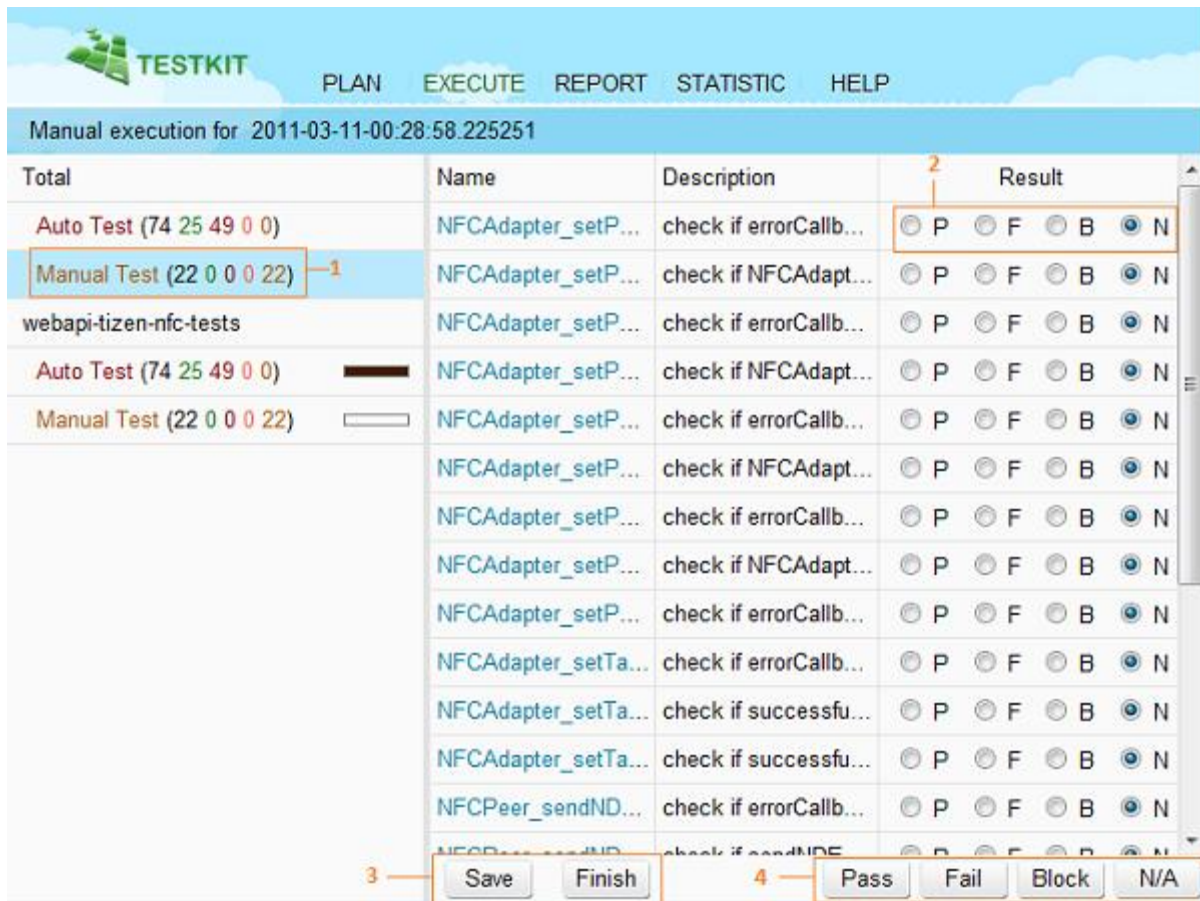


Figure 4-1 Auto test report

### 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
<a href="#">webapi-tizen-nfc-tests</a>	25	49	0	22	96

## Detailed Test Results

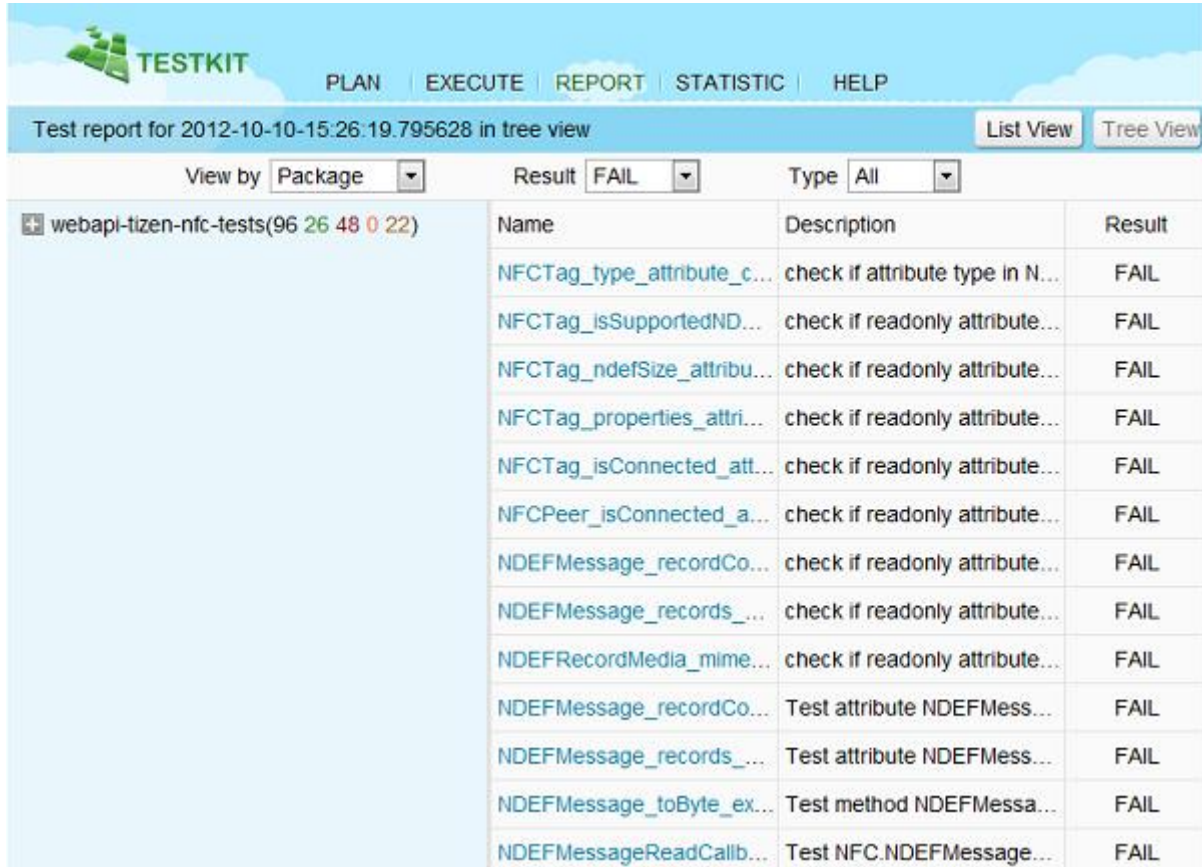
[Back to Contents](#)

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.



TESTKIT

PLAN | EXECUTE | REPORT | STATISTIC | HELP

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

List View 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
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 ViewingSummary Reports

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






**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 ViewingTest 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.





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
<a href="#">webapi-tizen-nfc-tests</a>	25	49	0	22	96

## Detailed Test Results

[Back to Contents](#)

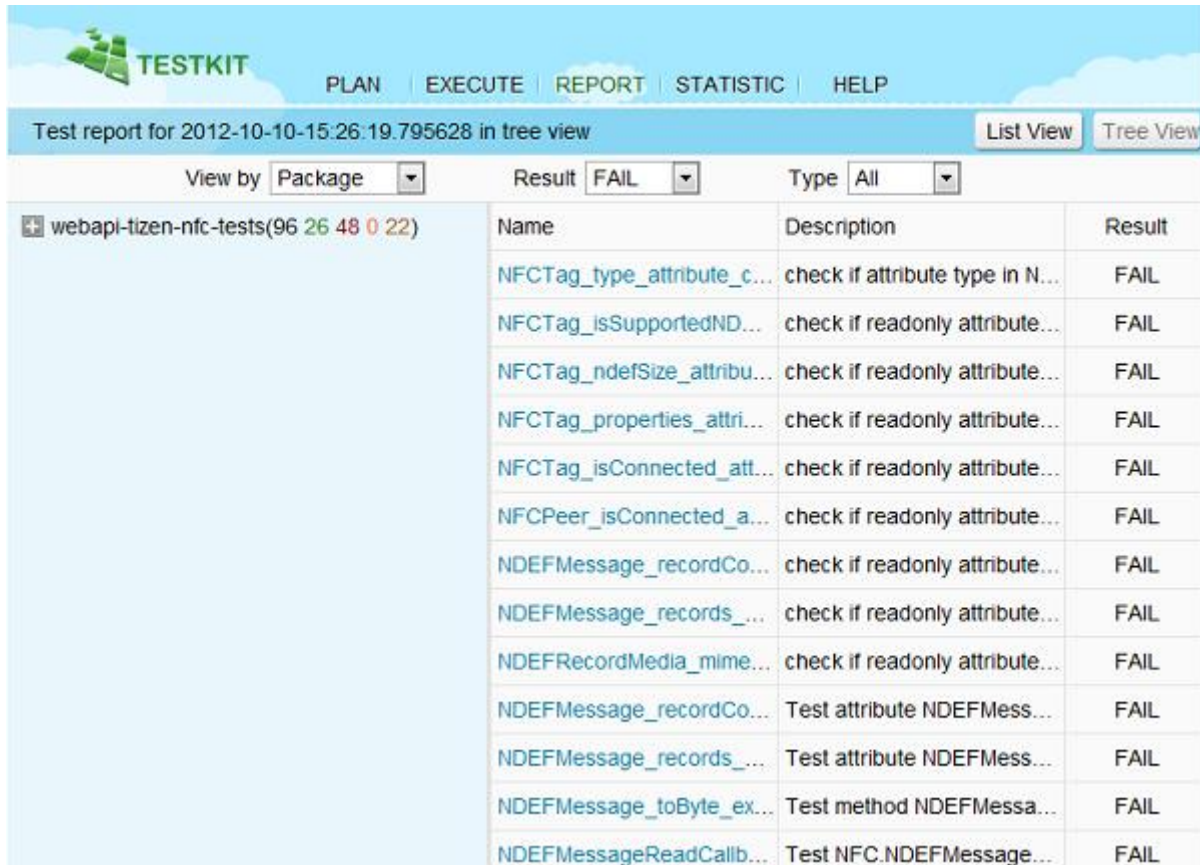
Test Suite: webapi-tizen-nfc-tests

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 sten@file:///mnt/apps/n

**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.

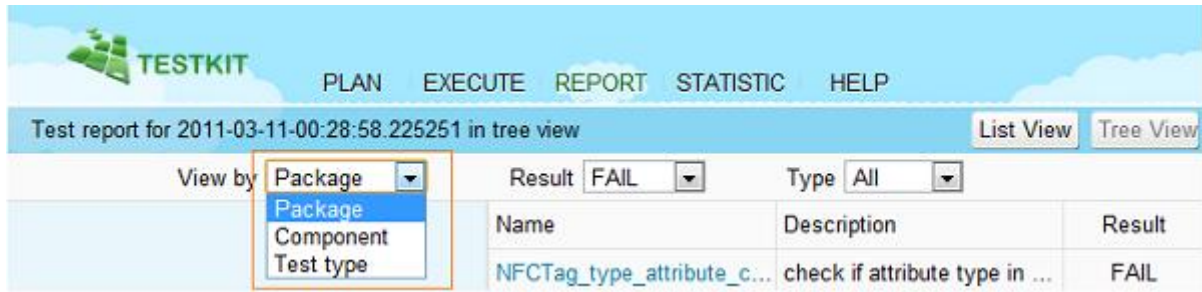


Name	Description	Result
NFCTag_type_attribute_c...	check if attribute type in N...	FAIL
NFCTag_isSupportedND...	check if readonly attribute...	FAIL
NFCTag_ndefSize_attri...	check if readonly attribute...	FAIL
NFCTag_properties_attri...	check if readonly attribute...	FAIL
NFCTag_isConnected_att...	check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



**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.




PLAN | EXECUTE | REPORT | STATISTIC | HELP

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

View by Package
Result FAIL
Type All

webapi-tizen-nfc-tests(96 26 48 0 22)

webapi-tizen-nfc-tests(96 26 48 0 22)

nfc(96 26 48 0 22)

1

Name	Description	Result
NFCTag_type_attribute_c...	check if attribute type in N...	FAIL
<div> <div>TC ID: NFCTag_type_attribute_check</div> <div>TC Purpose: check if attribute type in NFCTag is readonly</div> <div>Priority: P2</div> <div>Component: WebAPI/Tizen/NFC</div> <div>Case State: approved</div> <div>Execution Type: auto</div> <div>Requirement: none</div> <div>Type:</div> <div>Categories: none</div> <div>Pre-conditions: none</div> <div>Post-conditions: none</div> <div>Steps</div> <div>Step Descript... check if attribute type in NFCTag is...</div> <div>Expected Res... attribute should be readonly</div> <div>Notes: none</div> <div>Test Script Entry: /opt/webapi-tizen-nfc-tests/nfc/NFCTag_type_attri...</div> <div>Test Script Expected Re... none</div> <div>Actual result: FAIL</div> <div>Start: Wed Oct 10 2012 15:26:25 GMT+0900 (KST)</div> <div>End: Wed Oct 10 2012 15:26:26 GMT+0900 (KST)</div> <div>Stdout: ###Test###check if attribute type in NFCTag is read...</div> <div>Stderr: none</div> <div>Name: none</div> <div>Value: none</div> <div>Unit: none</div> <div>Target: none</div> <div>Failure: none</div> <div>category: Tizen Device API Specifications</div> <div>section: Tizen</div> <div>specification: NFC</div> <div>interface: NFCTag</div> <div>element_name: type</div> <div>usage: none</div> <div>element_type: attribute</div> <div>URL: https://developer.tizen.org/help/topic/org.tizen.help...</div> <div>Statement: none</div> </div>		
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

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. Login 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.

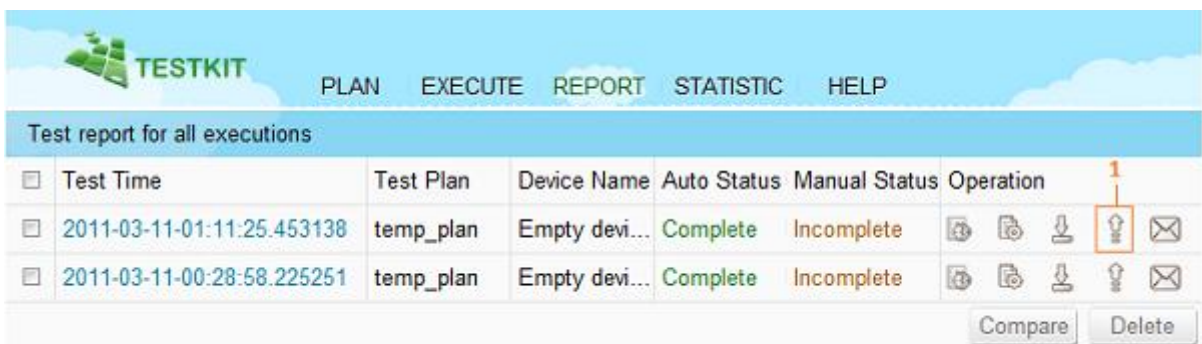


Figure 5-7 Refreshed REPORT tab page

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

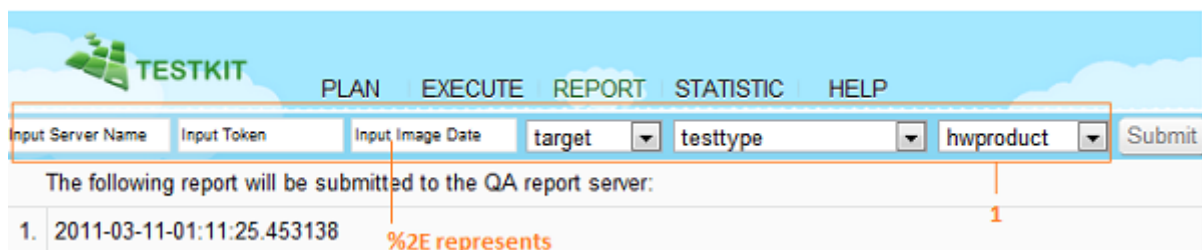


Figure 5-8 Refreshed REPORT tab page

(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.

TESTKIT

PLAN EXECUTE REPORT STATISTIC HELP

Input Server Name Input Token Input Image Date target testtype hwproduct Submit

The following report will be submitted to the QA

1.	2011-03-11-01:11:25.453138
----	----------------------------

**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.

TESTKIT

PLAN EXECUTE REPORT STATISTIC HELP

Input Server Name Input Token Input Image Date target testtype hwproduct Submit

The following report will be submitted to the QA report server:

1.	2011-03-11-01:11:25.453138
----	----------------------------

**Figure 5-10** Submitting a test report

## 5.4.2 Comparing Reports

To compare reports, perform the following steps:

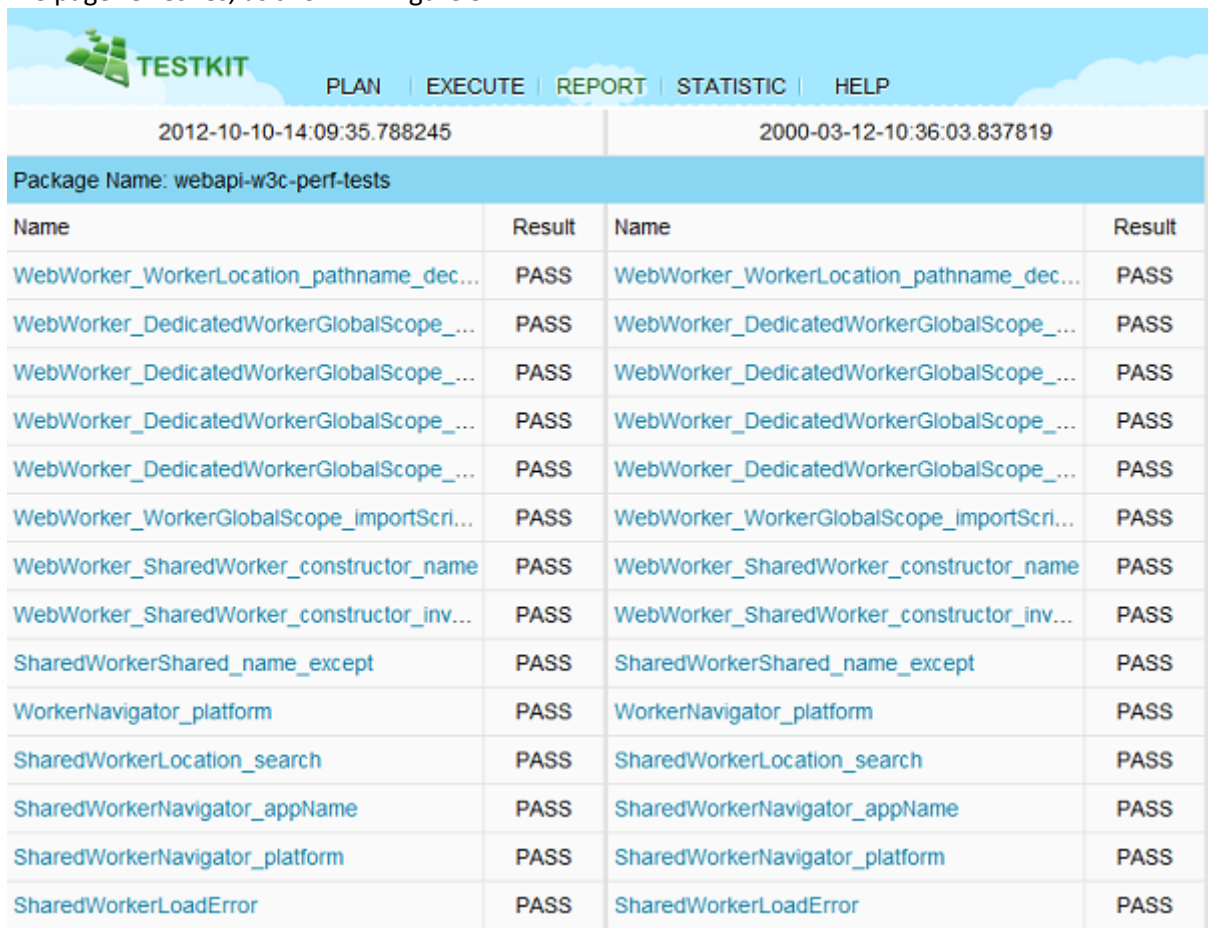
1. Select reports, and click the Compare button, as shown in Figure 5-11.



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



2012-10-10-14:09:35.788245		2000-03-12-10:36:03.837819	
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 DeletingReport

To delete a test report, perform the following steps:

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

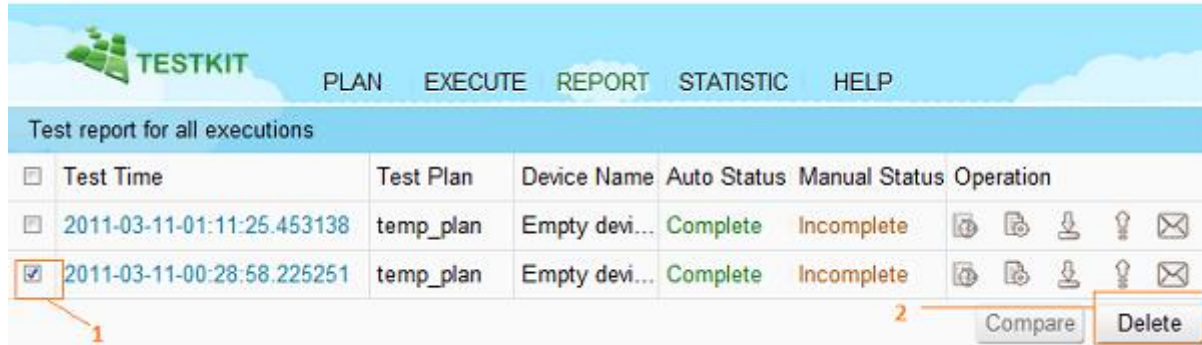


Figure 5-13 Deleting test report(s)

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

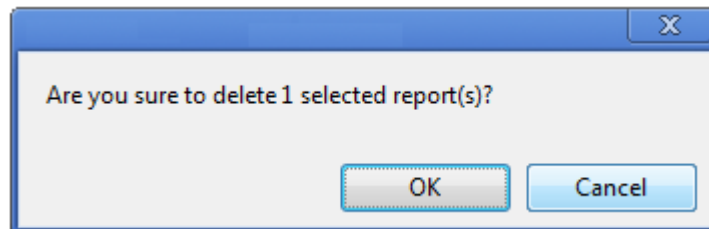


Figure 5-14 Confirmation dialog box (5)

- 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 [Icon] button becomes unavailable with the title "Execution Complete".
- If Manual Status is "Incomplete", the [Icon] button becomes available with the title "Continue Execution".







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	<input type="button" value="Compare"/> <input type="button" value="Delete"/>
<input type="checkbox"/>	2011-03-11-00:28:58.225251	temp_plan	Empty devi...	Complete	Incomplete	<input type="button" value="Compare"/> <input type="button" value="Delete"/>

Figure 5-15Manual test cases report

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



PLAN
EXECUTE
REPORT
STATISTIC
HELP

Manual execution for 2011-03-11-00:28:58.225251

Total	Name	Description	Result
Auto Test (74 25 49 0 0)	NFCAdapter_setP...	check if errorCallb...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
Manual Test (22 0 0 0 22)	NFCAdapter_setP...	check if NFCAdapt...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
webapi-tizen-nfc-tests	NFCAdapter_setP...	check if errorCallb...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
Auto Test (74 25 49 0 0)	NFCAdapter_setP...	check if NFCAdapt...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
Manual Test (22 0 0 0 22)	NFCAdapter_setP...	check if errorCallb...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCAdapter_setP...	check if NFCAdapt...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCAdapter_setP...	check if errorCallb...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCAdapter_setP...	check if NFCAdapt...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCAdapter_setTa...	check if errorCallb...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCAdapter_setTa...	check if successfu...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCAdapter_setTa...	check if successfu...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCPeer_sendND...	check if errorCallb...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N
	NFCPeer_sendND...	check if sendNDE...	<input type="radio"/> P <input type="radio"/> F <input type="radio"/> B <input checked="" type="radio"/> N

Figure 5-16Selecting result of manual test cases



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

2. Click **FINISH** to refresh the **REPORT** tabpage. 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.

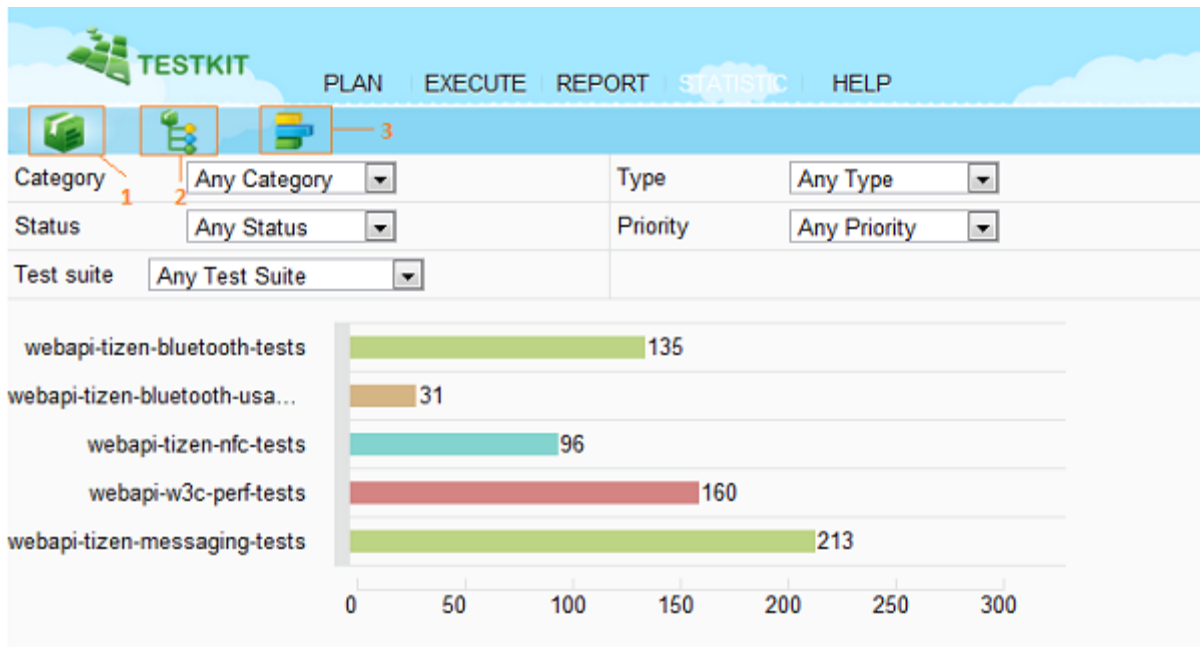
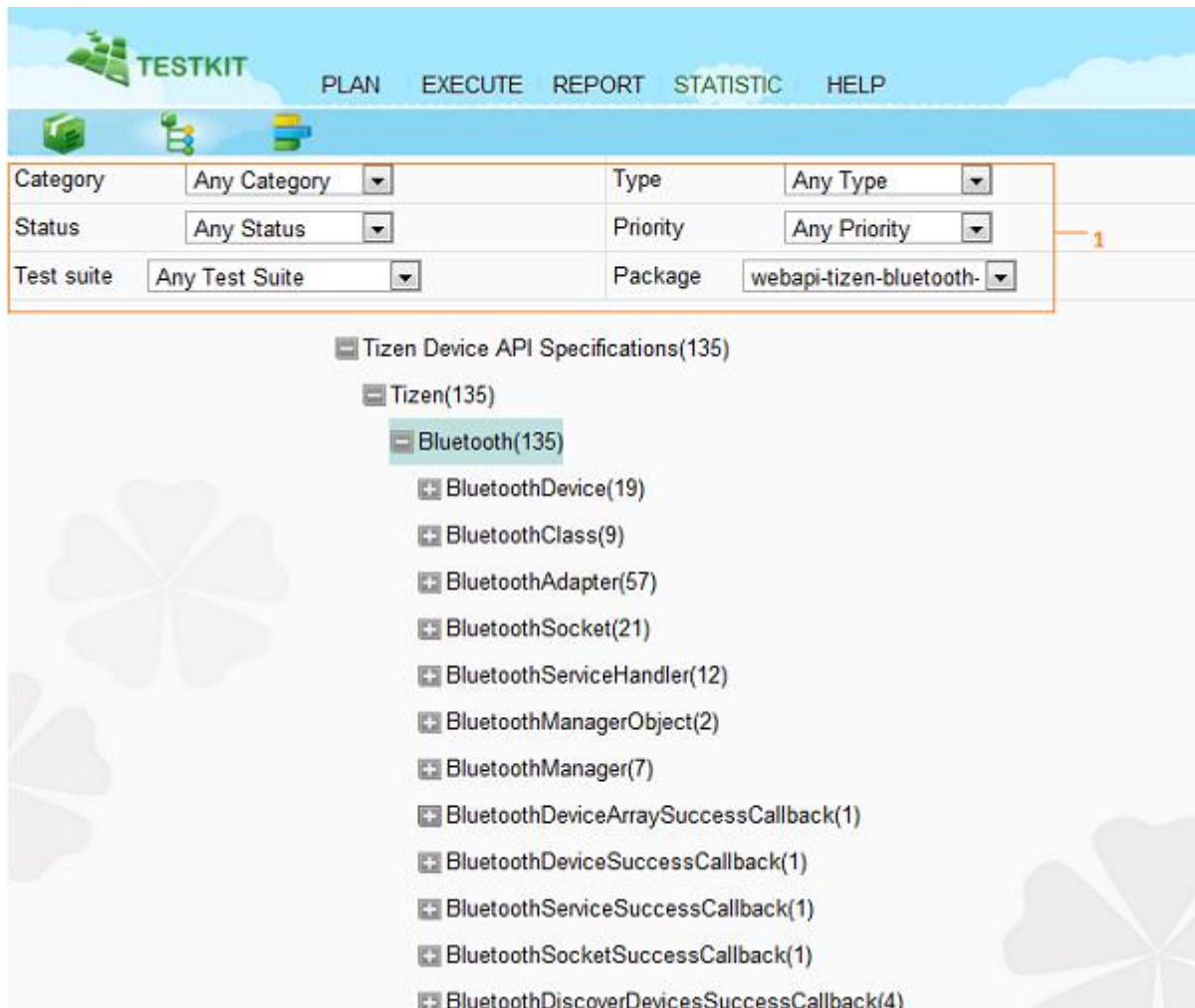


Figure 6-1 Viewing statistics by package chart

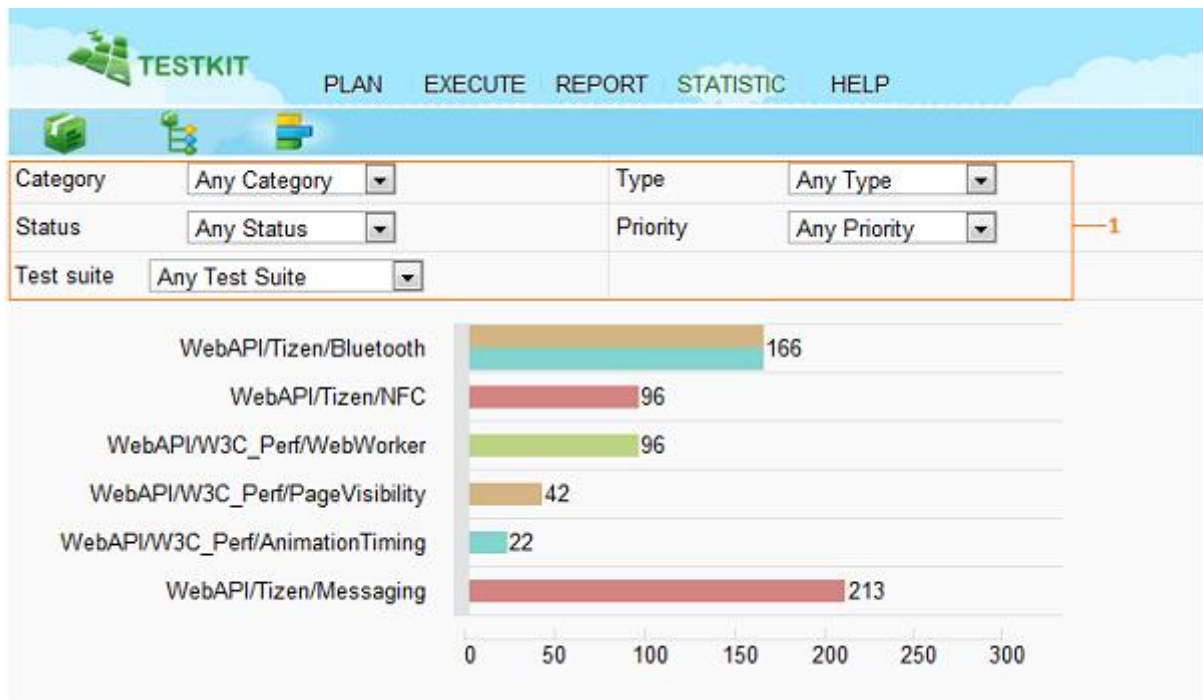
2. Click the icon marked by [2] in Figure 6-1 to view statistic by tree diagram. The page refreshes, as shown in Figure 6-2. The filter function becomes available.





**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