

# **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 cpanm JSON
    - 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 -ivh testkit-manager-x.x.x-x.noarch.rpm --nodeps
  - Host (fedora17)
    - sudo rpm -ivh testkit-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 'sudo sdb 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:

- 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.



The screenshot shows the TESTKIT application interface. At the top, there's a navigation bar with tabs: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the navigation bar is a toolbar with buttons for Create Test Plan, Packages, Filter, View, Update, and a refresh icon. A progress bar is visible above the main content area. The main content area displays a table of installed packages. The table has columns: Package Name, Case Number, Installed Version, Upgraded Version, and Operation. The rows show three packages: cts-webapi-nonw3c-tests (Case 1382, Version 1.1.3-1), webapi-sanity-tests (Case 264, Version 1.1.2-3), and webapi-w3c-perf-tests (Case 160, Version 1.1.3-1). Below the table are buttons for Execute, Clear, Test Plan, Save, Load, and Manage.

Package Name	Case Number	Installed Version	Upgraded Version	Operation
cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
webapi-sanity-tests	264	1.1.2-3	--	
webapi-w3c-perf-tests	160	1.1.3-1	--	

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 **Filter**, **View**, and **Update** 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.

**TESTKIT**

PLAN | EXECUTE | REPORT | STATISTIC | HELP

Create Test Plan

1 Packages Filter View Update

Package Name	Case Number	Installed Version	Upgraded Version	Operation
cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
webapi-sanity-tests	264	1.1.2-3	2--	
webapi-w3c-perf-tests	160	1.1.3-1	--	
tts-bluez-tests	--	--	1.0.7-1	
webapi-tizen-time-usage-t...	--	--	1.0.5-2	
webapi-w3c-perf-tests	--	--	1.1.2-1	
webapi-w3c-content-tests	--	--	1.1.4-1	
tts-bluez-tests	--	--	1.2.0-1	
webapi-w3c-perf-tests	--	--	1.1.1-1	3
webapi-w3c-css3-tests	--	--	1.1.2-1	
webapi-w3c-widget-tests	--	--	1.1.0-1	
webapi-w3c-device-tests	--	--	1.1.3-1	
tts-cnnman-tests	--	--	1.0.7-1	
webapi-tizen-time-tests	--	--	1.1.2-1	

Execute | Clear | Test Plan | Save | Load | Manage

Figure 3-2 CUSTOM tab page

3. Click **Filter**.

Options display, as shown by [2] in Figure 3-3. If you click **Filter** button again, options are hidden.

Create Test Plan		Packages	Filter	View	Update
Architecture	Any Architecture	Version	Any Version		
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	Installed Version	Upgraded Version	Operation	
cts-webapi-nonw3c-tests	1382	1.1.3-1	--		
webapi-sanity-tests	264	1.1.2-3	--		
webapi-w3c-perf-tests	160	1.1.3-1	--		
tts-bluez-tests	--	--	1.0.7-1		
webapi-tizen-time-usage-t...	--	--	1.0.5-2		
webapi-w3c-perf-tests	--	--	1.1.2-1		
webapi-w3c-content-tests	--	--	1.1.4-1		
tts-bluez-tests	--	--	1.2.0-1		
webapi-w3c-perf-tests	--	--	1.1.1-1		
webapi-w3c-css3-tests	--	--	1.1.2-1		
webapi-w3c-widget-tests	--	--	1.1.0-1		
webapi-w3c-device-tests	--	--	1.1.3-1		
tts-cnnman-tests	--	--	1.0.7-1		
webapi-tizen-time-tests	--	--	1.1.2-1		

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 **P3** from the **Priority** checkbox.

The test case packages display, which include test cases whose priority is P3, as shown in Figure 3-4.

Create Test Plan		Packages	Filter	View	Update
Architecture	Any Architecture	Version	Any Version		
Category	Any Category	Priority	P3		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		
	Package Name	Case Number	Installed Version	Upgraded Version	Operation
<input type="checkbox"/>	cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
<input type="checkbox"/>	webapi-w3c-perf-tests	160	1.1.3-1	--	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-usage-t...	--	--	1.0.5-2	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-content-tests	--	--	1.1.4-1	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.2.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.1-1	
<input type="checkbox"/>	webapi-w3c-css3-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-widget-tests	--	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-device-tests	--	--	1.1.3-1	
<input type="checkbox"/>	tts-connman-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-tests	--	--	1.1.2-1	
<input type="button" value="Execute"/> <input type="button" value="Clear"/>		<input type="button" value="Test Plan"/>	<input type="button" value="Save"/>	<input type="button" value="Load"/>	<input type="button" value="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 P3 and whose Execution type is auto, as shown in Figure 3-5.

Create Test Plan		Packages	Filter	View	Update
Architecture	Any Architecture	Version	Any Version		
Category	Any Category	Priority	P3		
Status	Any Status	Execution Type	auto		
Test Suite	Any Test Suite	Type	Any Type		
Test Set	Any Test Set	Component	Any Component		
<input type="checkbox"/> Package Name		Case Number	Installed Version	Upgraded Version	Operation
<input checked="" type="checkbox"/> cts-webapi-nonw3c-tests		1382	1.1.3-1	--	
<input checked="" type="checkbox"/> webapi-w3c-perf-tests		160	1.1.3-1	--	
<input type="checkbox"/> tts-bluez-tests		--	--	1.0.7-1	
<input type="checkbox"/> webapi-tizen-time-usage-t...		--	--	1.0.5-2	
<input type="checkbox"/> webapi-w3c-perf-tests		--	--	1.1.2-1	
<input type="checkbox"/> webapi-w3c-content-tests		--	--	1.1.4-1	
<input type="checkbox"/> tts-bluez-tests		--	--	1.2.0-1	
<input type="checkbox"/> webapi-w3c-perf-tests		--	--	1.1.1-1	
<input type="checkbox"/> webapi-w3c-css3-tests		--	--	1.1.2-1	
<input type="checkbox"/> webapi-w3c-widget-tests		--	--	1.1.0-1	
<input type="checkbox"/> webapi-w3c-device-tests		--	--	1.1.3-1	
<input type="checkbox"/> tts-connman-tests		--	--	1.0.7-1	
<input type="checkbox"/> webapi-tizen-time-tests		--	--	1.1.2-1	

Execute  Test Plan

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.

Create Test Plan		Packages	Filter	View	Update
Architecture	Any Architecture	Version	Any Version		
Category	Any Category	Priority	P3		
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	Installed Version	Upgraded Version	Operation	
<input type="checkbox"/> cts-webapi-nonw3c-tests	1382	1.1.3-1	--		
<input checked="" type="checkbox"/> webapi-w3c-perf-tests	160	1.1.3-1	--		
<input type="checkbox"/> tts-bluez-tests	--	--	1.0.7-1		
<input type="checkbox"/> webapi-tizen-time-usage-t...	--	--	1.0.5-2		
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.2-1		
<input type="checkbox"/> webapi-w3c-content-tests	--	--	1.1.4-1		
<input type="checkbox"/> tts-bluez-tests	--	--	1.2.0-1		
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.1-1		
<input type="checkbox"/> webapi-w3c-css3-tests	--	--	1.1.2-1		
<input type="checkbox"/> webapi-w3c-widget-tests	--	--	1.1.0-1		
<input type="checkbox"/> webapi-w3c-device-tests	--	--	1.1.3-1		
<input type="checkbox"/> tts-connman-tests	--	--	1.0.7-1		
<input type="checkbox"/> webapi-tizen-time-tests	--	--	1.1.2-1		
<input type="button" value="Execute"/> <input type="button" value="Clear"/>		<input type="button" value="Test Plan"/>	<input type="button" value="Save"/>	<input type="button" value="Load"/>	<input type="button" value="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.

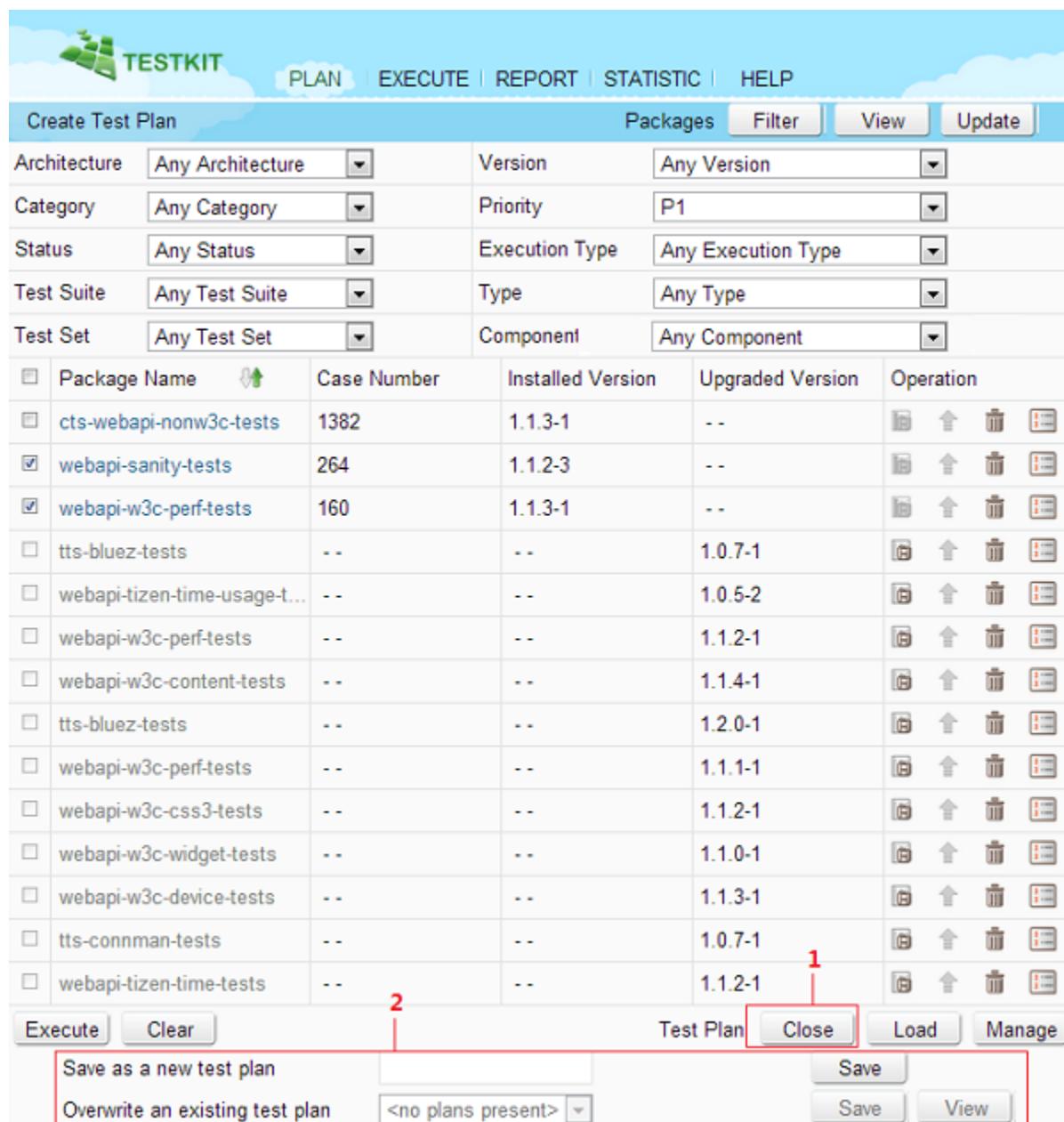


Figure 3-7 Clicking the **Save** button

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

TESTKIT

PLAN EXECUTE REPORT STATISTIC HELP

Create Test Plan

Packages Filter View Update

Architecture	Any Architecture	Version	Any Version				
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	Installed Version	Upgraded Version	Operation		
<input type="checkbox"/> cts-webapi-nonw3c-tests	1382	1.1.3-1	--				
<input checked="" type="checkbox"/> webapi-sanity-tests	264	1.1.2-3	--				
<input checked="" type="checkbox"/> webapi-w3c-perf-tests	160	1.1.3-1	--				
<input type="checkbox"/> tts-bluez-tests	--	--	1.0.7-1				
<input type="checkbox"/> webapi-tizen-time-usage-t...	--	--	1.0.5-2				
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.2-1				
<input type="checkbox"/> webapi-w3c-content-tests	--	--	1.1.4-1				
<input type="checkbox"/> tts-bluez-tests	--	--	1.2.0-1				
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.1-1				
<input type="checkbox"/> webapi-w3c-css3-tests	--	--	1.1.2-1				
<input type="checkbox"/> webapi-w3c-widget-tests	--	--	1.1.0-1				
<input type="checkbox"/> webapi-w3c-device-tests	--	--	1.1.3-1				
<input type="checkbox"/> tts-cnnman-tests	--	--	1.0.7-1				
<input type="checkbox"/> webapi-tizen-time-tests	--	--	1.1.2-1				

Execute Clear Test Plan Close Load Manage

Save as a new test plan  1

Overwrite an existing test plan <no plans present> 2

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.

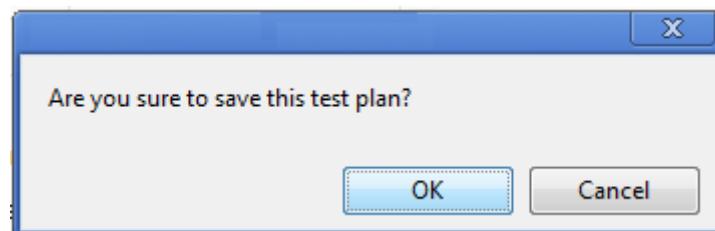


Figure 3-9 Confirmation dialog box (1)

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

Create Test Plan		Packages	Filter	View	Update		
Architecture	Any Architecture	Version	Any Version				
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	Installed Version	Upgraded Version	Operation			
cts-webapi-nonw3c-tests	1382	1.1.3-1	--				
webapi-sanity-tests	264	1.1.2-3	--				
webapi-w3c-perf-tests	160	1.1.3-1	--				
tts-bluez-tests	--	--	1.0.7-1				
webapi-tizen-time-usage-t...	--	--	1.0.5-2				
webapi-w3c-perf-tests	--	--	1.1.2-1				
webapi-w3c-content-tests	--	--	1.1.4-1				
tts-bluez-tests	--	--	1.2.0-1				
webapi-w3c-perf-tests	--	--	1.1.1-1				
webapi-w3c-css3-tests	--	--	1.1.2-1				
webapi-w3c-widget-tests	--	--	1.1.0-1				
webapi-w3c-device-tests	--	--	1.1.3-1				
tts-connman-tests	--	--	1.0.7-1				
webapi-tizen-time-tests	--	--	1.1.2-1				

Execute Clear Test Plan Close Load Manage

Save as a new test plan

Overwrite an existing test plan  1 Save View

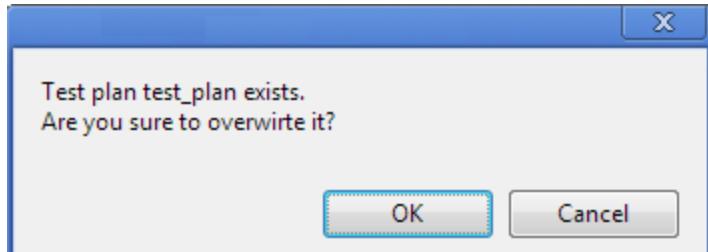
Figure 3-10 Entering the test plan name (2)

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:

The screenshot shows the TESTKIT software interface. At the top, there is a navigation bar with links: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the navigation bar is a search bar titled "Create Test Plan" with several dropdown filters: Architecture (Any Architecture), Version (Any Version), Category (Any Category), Priority (P1), Status (Any Status), Execution Type (Any Execution Type), Test Suite (Any Test Suite), Type (Any Type), and Test Set (Any Test Set). The main area displays a table of test plans. The columns are: Package Name, Case Number, Installed Version, Upgraded Version, and Operation. The table contains 16 rows, each representing a different test plan. The "Operation" column for each row contains icons for Execute, Clear, Save, Delete, and Edit. At the bottom of the interface, there are buttons for Execute, Clear, Test Plan, Close, Load, and Manage. The "Test Plan" button is highlighted. Below these buttons, there are two input fields: "Save as a new test plan" containing "test\_plan" (marked with a red box and labeled 1) and "Overwrite an existing test plan" containing a dropdown menu with options: message, message, temp\_plan, test\_plan, and w3c\_file (the "temp\_plan" option is highlighted with a red box and labeled 2).

**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 **test\_plan** overwrites the existing one.
  - Click **Cancel**. → The test plan **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.

The screenshot shows the TESTKIT software interface. At the top, there is a navigation bar with tabs: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the navigation bar is a search/filter section titled "Create Test Plan" with dropdown menus for Architecture, Category, Status, Test Suite, and Test Set, and fields for Version, Priority, Execution Type, Type, and Component. The main area displays a table of test plans:

Package Name	Case Number	Installed Version	Upgraded Version	Operation
cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
webapi-sanity-tests	264	1.1.2-3	--	
webapi-w3c-perf-tests	160	1.1.3-1	--	
tts-bluez-tests	--	--	1.0.7-1	
webapi-tizen-time-usage-t...	--	--	1.0.5-2	
webapi-w3c-perf-tests	--	--	1.1.2-1	
webapi-w3c-content-tests	--	--	1.1.4-1	
tts-bluez-tests	--	--	1.2.0-1	
webapi-w3c-perf-tests	--	--	1.1.1-1	
webapi-w3c-css3-tests	--	--	1.1.2-1	
webapi-w3c-widget-tests	--	--	1.1.0-1	
webapi-w3c-device-tests	--	--	1.1.3-1	
tts-connman-tests	--	--	1.0.7-1	
webapi-tizen-time-tests	--	--	1.1.2-1	

At the bottom of the interface, there are buttons for Execute, Clear, Test Plan, Close, Load, Manage, Save, and View. The "Save as a new test plan" field contains "test\_plan" (marked with a red box labeled 1). The "Overwrite an existing test plan" dropdown also contains "test\_plan" (marked with a red box labeled 2). The "Save" button is highlighted with a red box labeled 2, and the "View" button is also highlighted with a red box labeled 2.

**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.

The screenshot shows a configuration dialog box for a test plan. At the top, there is a text input field labeled "Test Plan: test\_plan" with a red box around it and a red number "1" to its right. Below this is a table titled "Package" with two rows:

Name	Auto	Manual
webapi-sanity-tests	6	0
webapi-w3c-perf-tests	32	3

A red box surrounds the entire table and a red number "2" is to its left. Below the table is a "Filter" section with five dropdown menus:

Architecture	Version
--	--

Category	Priority
--	P1

Status	Execution Type
--	--

Test Suite	Type
--	--

Test Set	Component
--	--

A red box surrounds the entire filter section and a red number "3" is to its left. In the bottom right corner of the dialog box, there is a "Close" button with a red box around it and a red number "4" to its left.

**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**.

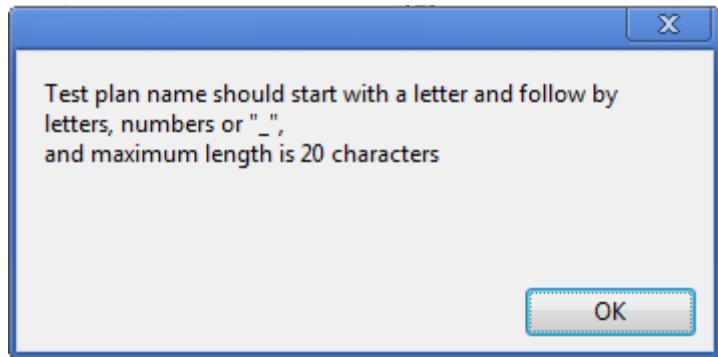


Figure 3-15 Confirmation dialog box (3)

### 3.2.2 Loading Test Plan

To load a test plan, perform the following steps:

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

A screenshot of the TESTKIT application interface. The title bar says "TESTKIT" with a logo. The menu bar includes "PLAN", "EXECUTE", "REPORT", "STATISTIC", and "HELP". Below the menu is a toolbar with "Create Test Plan", "Packages", "Filter", "View", and "Update". The main area is a table titled "Create Test Plan" with columns: "Package Name", "Case Number", "Installed Version", "Upgraded Version", and "Operation". The table lists various test packages with their details. At the bottom is a toolbar with "Execute", "Clear", "Test Plan", "Save", "Load" (which has a red box around it and a red number '1' above it), and "Manage".

Package Name	Case Number	Installed Version	Upgraded Version	Operation
cts-webapi-nonw3c-tests	1382	1.1.3-1	--	[icons]
webapi-sanity-tests	264	1.1.2-3	--	[icons]
webapi-w3c-perf-tests	160	1.1.3-1	--	[icons]
tts-bluez-tests	--	--	1.0.7-1	[icons]
webapi-tizen-time-usage-t...	--	--	1.0.5-2	[icons]
webapi-w3c-perf-tests	--	--	1.1.2-1	[icons]
webapi-w3c-content-tests	--	--	1.1.4-1	[icons]
tts-bluez-tests	--	--	1.2.0-1	[icons]
webapi-w3c-perf-tests	--	--	1.1.1-1	[icons]
webapi-w3c-css3-tests	--	--	1.1.2-1	[icons]
webapi-w3c-widget-tests	--	--	1.1.0-1	[icons]
webapi-w3c-device-tests	--	--	1.1.3-1	[icons]
tts-connman-tests	--	--	1.0.7-1	[icons]
webapi-tizen-time-tests	--	--	1.1.2-1	[icons]

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**.

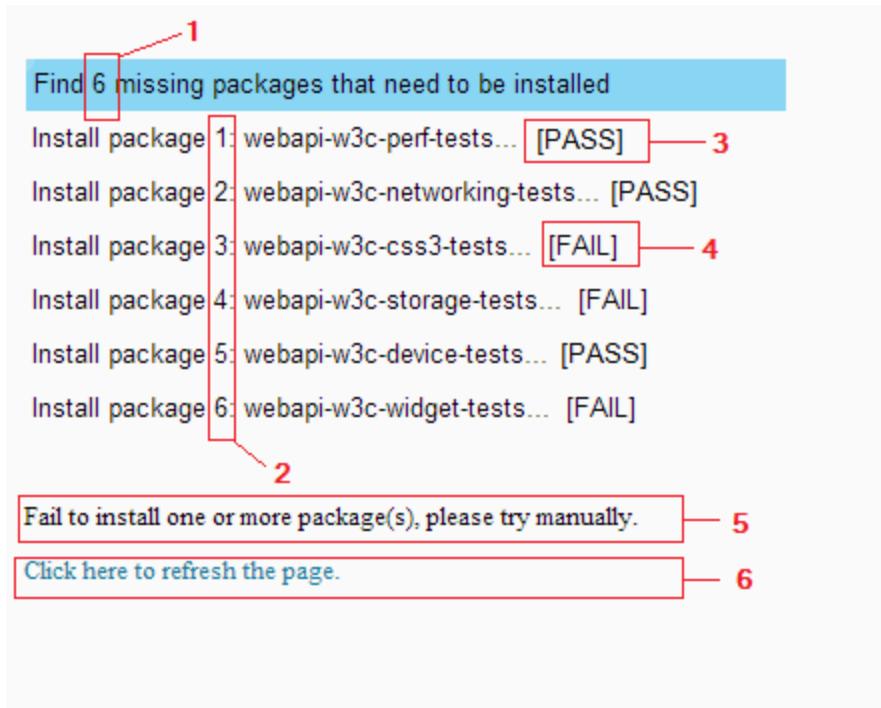
Create Test Plan		Packages	Filter	View	Update
<input type="checkbox"/>	Package Name	Case Number	Installed Version	Upgraded Version	Operation
<input type="checkbox"/>	cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
<input type="checkbox"/>	webapi-sanity-tests	264	1.1.2-3	--	
<input type="checkbox"/>	webapi-w3c-perf-tests	160	1.1.3-1	--	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-usage-t...	--	--	1.0.5-2	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-content-tests	--	--	1.1.4-1	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.2.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.1-1	
<input type="checkbox"/>	webapi-w3c-css3-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-widget-tests	--	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-device-tests	--	--	1.1.3-1	
<input type="checkbox"/>	tts-cnnman-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-tests	--	--	1.1.2-1	

Execute Clear Test Plan Save Close Manage

Choose from existing test plans temp\_plan Load View

Figure 3-17 Clicking the **Load** button (2)

3. If there are missing packages that need to be installed. The number of missing packages will display on the top , as shown by [1] in Figure 3-18. The number of installing packages will display , as shown by [2]. After finish installing, the results will display, as shown by [3] [4] . If there are packages that fail to be installed, the test plan would not be loaded, and you can click link, as shown by [6] to refresh the page. If all the packages have been installed successfully, the test plan will be loaded automatically.



**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.

The screenshot shows the TESTKIT software interface with a blue header bar containing the logo and menu items: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the header is a toolbar with buttons for Create Test Plan, Packages, Filter, View, and Update. The main area is a table titled "Create Test Plan" with columns: Package Name, Case Number, Installed Version, Upgraded Version, and Operation. The table lists various test packages with their details and operations. A red box highlights the "Manage" button in the bottom right corner of the toolbar, which is currently labeled "Manage".

Create Test Plan		Packages	Filter	View	Update
	Package Name	Case Number	Installed Version	Upgraded Version	Operation
<input type="checkbox"/>	cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
<input type="checkbox"/>	webapi-sanity-tests	264	1.1.2-3	--	
<input type="checkbox"/>	webapi-w3c-perf-tests	160	1.1.3-1	--	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-usage-t...	--	--	1.0.5-2	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-content-tests	--	--	1.1.4-1	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.2.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.1-1	
<input type="checkbox"/>	webapi-w3c-css3-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-widget-tests	--	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-device-tests	--	--	1.1.3-1	
<input type="checkbox"/>	tts-connman-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-tests	--	--	1.1.2-1	

Execute Clear Test Plan Save Load Manage

**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.

The screenshot shows the TESTKIT software interface with a menu bar (PLAN, EXECUTE, REPORT, STATISTIC, HELP) and a toolbar with buttons for Create Test Plan, Packages, Filter, View, and Update. The main area displays a table of test plans:

Package Name	Case Number	Installed Version	Upgraded Version	Operation
cts-webapi-nonw3c-tests	1382	1.1.3-1	--	[Icons: Open, Up, Delete, Edit]
webapi-sanity-tests	264	1.1.2-3	--	[Icons: Open, Up, Delete, Edit]
webapi-w3c-perf-tests	160	1.1.3-1	--	[Icons: Open, Up, Delete, Edit]
tts-bluez-tests	--	--	1.0.7-1	[Icons: Open, Up, Delete, Edit]
webapi-tizen-time-usage-t...	--	--	1.0.5-2	[Icons: Open, Up, Delete, Edit]
webapi-w3c-perf-tests	--	--	1.1.2-1	[Icons: Open, Up, Delete, Edit]
webapi-w3c-content-tests	--	--	1.1.4-1	[Icons: Open, Up, Delete, Edit]
tts-bluez-tests	--	--	1.2.0-1	[Icons: Open, Up, Delete, Edit]
webapi-w3c-perf-tests	--	--	1.1.1-1	[Icons: Open, Up, Delete, Edit]
webapi-w3c-css3-tests	--	--	1.1.2-1	[Icons: Open, Up, Delete, Edit]
webapi-w3c-widget-tests	--	--	1.1.0-1	[Icons: Open, Up, Delete, Edit]
webapi-w3c-device-tests	--	--	1.1.3-1	[Icons: Open, Up, Delete, Edit]
tts-connman-tests	--	--	1.0.7-1	[Icons: Open, Up, Delete, Edit]
webapi-tizen-time-tests	--	--	1.1.2-1	[Icons: Open, Up, Delete, Edit]

At the bottom, there are buttons for Execute, Clear, Test Plan, Save, Load, Close, View, and Delete. The 'Delete' button is highlighted with a red box and a red number '1'. The 'View' button is also highlighted with a red box and a red number '2'.

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.

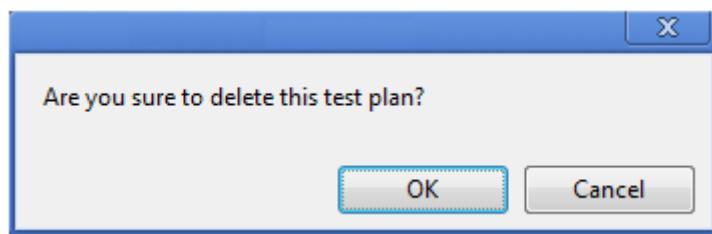


Figure 3-21 Confirmation dialog box (4)

### **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.

The screenshot shows the TESTKIT application interface. At the top, there is a navigation bar with links: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the navigation bar is a search bar with the placeholder "View test cases in list view". To the right of the search bar are two buttons: "List View" (highlighted with a red box and labeled '2') and "Tree View" (labeled '3'). The main content area is titled "Test Cases". Below the title is a table showing the distribution of test cases by type (Total, Auto, Manual) across different test suites. The table has four columns: Test Suite, Total, Auto, and Manual. There are two rows: one for "Total" and one for "webapi-w3c-perf-tests". The "Total" row shows values 160, 108, and 52 respectively. The "webapi-w3c-perf-tests" row also shows values 160, 108, and 52. To the right of the table is a link "Back to Contents".

Test Suite	Total	Auto	Manual
Total	160	108	52
webapi-w3c-perf-tests	160	108	52

**Detailed Test Cases**

Test Suite: webapi-w3c-perf-tests

Back to Contents

Case_ID	Purpose
Test Set: AnimationTiming	

Figure 3-22 Viewing test cases in list view

2. 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.

View test cases in tree view

PLAN | EXECUTE | REPORT | STATISTIC | HELP

List View Tree View

Architecture	Any Architecture	Version	Any Version
Category	Any Category	Priority	Any Priority
Status	Any Status	Execution Type	Any Execution Type
Test Suite	webapi-w3c-perf-tests	Type	Any Type
Test Set	Any Test Set	Component	Any Component

[Detailed]

**TC Purpose:**

check if WorkerLocation URL can decompose IDL attribute: pathname

**Spec**

**Assertion:**

category:	Tizen W3C API Specifications
section:	Performance
specification:	Web Workers (Partial)
interface:	WorkerLocation
element_name:	pathname
usage:	none
element_type:	attribute

Figure 3-23 Viewing test cases in tree view

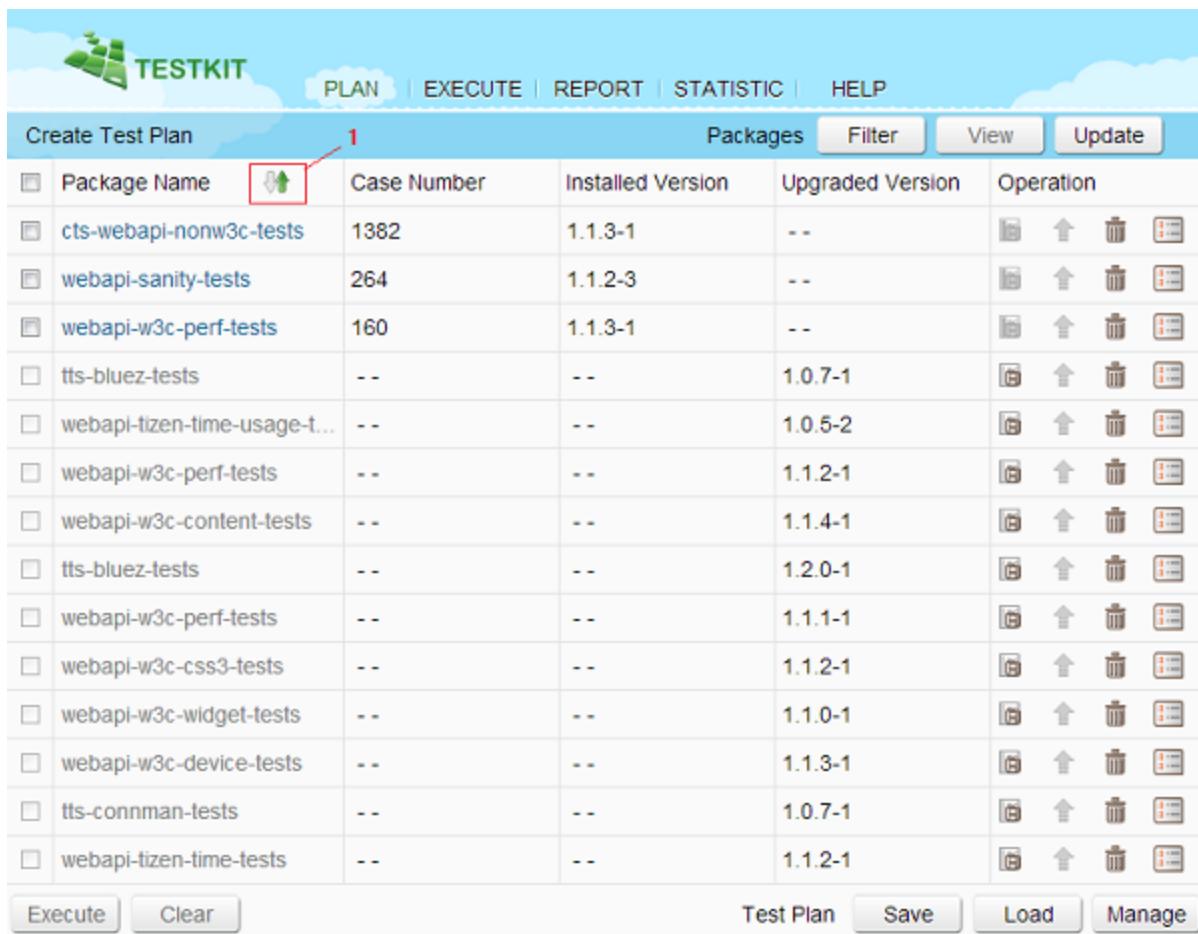
- Click the test case name. The detailed test case information displays in the right pane of the page.

### 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.



**TESTKIT**

PLAN | EXECUTE | REPORT | STATISTIC | HELP

Create Test Plan

Packages Filter View Update

<input type="checkbox"/> Package Name	Case Number	Installed Version	Upgraded Version	Operation
<input type="checkbox"/> cts-webapi-nonw3c-tests	1382	1.1.3-1	--	   
<input type="checkbox"/> webapi-sanity-tests	264	1.1.2-3	--	   
<input type="checkbox"/> webapi-w3c-perf-tests	160	1.1.3-1	--	   
<input type="checkbox"/> tts-bluez-tests	--	--	1.0.7-1	   
<input type="checkbox"/> webapi-tizen-time-usage-t...	--	--	1.0.5-2	   
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.2-1	   
<input type="checkbox"/> webapi-w3c-content-tests	--	--	1.1.4-1	   
<input type="checkbox"/> tts-bluez-tests	--	--	1.2.0-1	   
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.1-1	   
<input type="checkbox"/> webapi-w3c-css3-tests	--	--	1.1.2-1	   
<input type="checkbox"/> webapi-w3c-widget-tests	--	--	1.1.0-1	   
<input type="checkbox"/> webapi-w3c-device-tests	--	--	1.1.3-1	   
<input type="checkbox"/> tts-connman-tests	--	--	1.0.7-1	   
<input type="checkbox"/> webapi-tizen-time-tests	--	--	1.1.2-1	   

Execute Clear 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.

Create Test Plan					
	Package Name	Case Number	Installed Version	Upgraded Version	Operation
<input type="checkbox"/>	cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
<input type="checkbox"/>	webapi-sanity-tests	264	1.1.2-3	--	
<input type="checkbox"/>	webapi-w3c-perf-tests	160	1.1.3-1	--	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-usage-t...	--	--	1.0.5-2	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-content-tests	--	--	1.1.4-1	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.2.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.1-1	
<input type="checkbox"/>	webapi-w3c-css3-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-widget-tests	--	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-device-tests	--	--	1.1.3-1	
<input type="checkbox"/>	tts-connman-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-tests	--	--	1.1.2-1	

Execute   Clear      Test Plan   Save   Load   Manage

**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.

Create Test Plan		Packages	Filter	View	Update			
<input type="checkbox"/> Package Name	Case Number	Installed Version	Upgraded Version	Operation				
<input type="checkbox"/> cts-webapi-nonw3c-tests	1382	1.1.3-1	--					
<input type="checkbox"/> webapi-sanity-tests	264	1.1.2-3	--					
<input type="checkbox"/> webapi-w3c-perf-tests	160	1.1.3-1	--					
<b>Introduction</b>		This test suite is for testing W3C performance API, which covers the following specifications: Web Workers (Partial) <a href="http://www.w3.org/TR/workers/">http://www.w3.org/TR/workers/</a> Page Visibility API <a href="http://www.w3.org/TR/page-visibility/">http://www.w3.org/TR/page-visibility/</a> Animation Timing Control <a href="http://www.w3.org/TR/animation-timing/">http://www.w3.org/TR/animation-timing/</a>						
Case Number(auto/manual)		108 52						
Readme		<a href="/opt/testkit/manager/package/webapi-w3c-perf-tests/README">/opt/testkit/manager/package/webapi-w3c-perf-tests/README</a>						
Licence&Copyright		<a href="/opt/testkit/manager/package/webapi-w3c-perf-tests/LICENSE">/opt/testkit/manager/package/webapi-w3c-perf-tests/LICENSE</a>						
Installation Path		<a href="/opt/testkit/manager/definition/webapi-w3c-perf-tests/">/opt/testkit/manager/definition/webapi-w3c-perf-tests/</a>						
<input type="checkbox"/> tts-bluez-tests	--	2	--	1.0.7-1				
<input type="checkbox"/> webapi-tizen-time-usage-t...	--		--	1.0.5-2				
<input type="checkbox"/> webapi-w3c-perf-tests	--		--	1.1.2-1				
<input type="checkbox"/> webapi-w3c-content-tests	--		--	1.1.4-1				
<input type="checkbox"/> tts-bluez-tests	--		--	1.2.0-1				
<input type="checkbox"/> webapi-w3c-perf-tests	--		--	1.1.1-1				
<input type="checkbox"/> webapi-w3c-css3-tests	--		--	1.1.2-1				
<input type="checkbox"/> webapi-w3c-widget-tests	--		--	1.1.0-1				
<input type="checkbox"/> webapi-w3c-device-tests	--		--	1.1.3-1				
<input type="checkbox"/> tts-connman-tests	--		--	1.0.7-1				
<input type="checkbox"/> webapi-tizen-time-tests	--		--	1.1.2-1				

Execute   Clear   Test Plan   Save   Load   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.

The screenshot shows the TESTKIT software interface with a toolbar at the top labeled PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the toolbar is a table titled "Create Test Plan". The table has columns for Package Name, Case Number, Installed Version, Upgraded Version, and Operation. The "Upgraded Version" column contains several entries marked as "disabled". A red arrow points from the word "disabled" to one of these entries. Another red arrow points to the "display" icon in the top right corner of the interface.

Create Test Plan					Packages	Filter	View	Update	display
	Package Name	Case Number	Installed Version	Upgraded Version	Operation				
<input type="checkbox"/>	cts-webapi-nonw3c-tests	1382	1.1.3-1	disabled	--				
<input type="checkbox"/>	webapi-sanity-tests	264	1.1.2-3	--	--				
<input type="checkbox"/>	webapi-w3c-perf-tests	160	1.1.3-1	--	--				
<input type="checkbox"/>	tts-bluez-tests	--	--	1.0.7-1	--				
<input type="checkbox"/>	webapi-tizen-time-usage-t...	--	--	1.0.5-2	--				
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.2-1	--				
<input type="checkbox"/>	webapi-w3c-content-tests	--	--	1.1.4-1	--				
<input type="checkbox"/>	tts-bluez-tests	--	--	1.2.0-1	--				
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.1-1	--				
<input type="checkbox"/>	webapi-w3c-css3-tests	--	--	1.1.2-1	--				
<input type="checkbox"/>	webapi-w3c-widget-tests	--	--	1.1.0-1	--				
<input type="checkbox"/>	webapi-w3c-device-tests	--	--	1.1.3-1	--				
<input type="checkbox"/>	tts-connman-tests	--	--	1.0.7-1	--				
<input type="checkbox"/>	webapi-tizen-time-tests	--	--	1.1.2-1	--				

Below the table are several buttons: Execute, Clear, Test Plan, Save, Load, and Manage. The "Clear" and "Test Plan" buttons are highlighted with a red box and labeled "disabled". The "Test Plan" button has a red arrow pointing to it from the word "disabled".

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

The screenshot shows the TESTKIT software interface. At the top, there is a menu bar with links: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the menu is a toolbar with buttons for Create Test Plan, Packages, Filter, View, Update, Execute, Clear, Save, Load, and Manage. A red box highlights the 'Filter' button. Another red box highlights the 'Update' button, which has a red arrow pointing to it labeled 'disappear'. A red box highlights the 'enabled' status of the first row in the table. A red box highlights the 'update packages' button in the second row. A red box highlights the 'install packages' button in the third row. A red box highlights the 'enabled' status of the 'Test Plan' button at the bottom.

Create Test Plan		Packages	Filter	View	Update
<input type="checkbox"/> Package Name	Case Number	Installed Version	Upgraded Version	Operation	
<input type="checkbox"/> cts-webapi-nonw3c-tests	1382	1.1.3-1	enabled	update packages	
<input type="checkbox"/> webapi-sanity-tests	264	1.1.2-3	1.1.3-1		
<input type="checkbox"/> webapi-w3c-perf-tests	160	1.1.3-1	--		
<input type="checkbox"/> tts-bluez-tests	--	--	1.0.7-1		
<input type="checkbox"/> webapi-tizen-time-usage-l...	--	--	1.0.5-2		
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.2-1		
<input type="checkbox"/> webapi-w3c-content-tests	--	--	1.1.4-1		
<input type="checkbox"/> tts-bluez-tests	--	--	1.2.0-1		
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.1-1		
<input type="checkbox"/> webapi-w3c-css3-tests	--	--	1.1.2-1		
<input type="checkbox"/> webapi-w3c-widget-tests	--	--	1.1.0-1		
<input type="checkbox"/> webapi-w3c-device-tests	--	--	1.1.3-1		
<input type="checkbox"/> tts-connman-tests	--	--	1.0.7-1		
<input type="checkbox"/> webapi-tizen-time-tests	--	--	1.1.2-1		

Execute   Clear   Test Plan   Save   Load   Manage

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

### 3.3.6 Clear all filters and package check box

After selecting filters or package check box, the clear button will be enabled, as shown in Figure 3-29.

Create Test Plan		Packages	Filter	View	Update
Architecture	Any Architecture	Version	Any Version		
Category	Any Category	Priority	P0		
Status	Any Status	Execution Type	auto		
Test Suite	Any Test Suite	Type	Any Type		
Test Set	Any Test Set	Component	Any Component	<a href="#">select filters</a>	
	Package Name	Case Number	Installed Version	Upgraded Version	Operation
<input checked="" type="checkbox"/>	cts-webapi-nonw3c-tests	1382	1.1.3-1	--	
<input type="checkbox"/>	webapi-sanity-tests	264	1.1.2-3	1.1.3-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	160	1.1.3-1	--	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-usage-t...	--	--	1.0.5-2	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-content-tests	--	--	1.1.4-1	
<input type="checkbox"/>	tts-bluez-tests	--	--	1.2.0-1	
<input type="checkbox"/>	webapi-w3c-perf-tests	--	--	1.1.1-1	
<input type="checkbox"/>	webapi-w3c-css3-tests	--	--	1.1.2-1	
<input type="checkbox"/>	webapi-w3c-widget-tests	--	--	1.1.0-1	
<input type="checkbox"/>	webapi-w3c-device-tests	--	--	1.1.3-1	
<input type="checkbox"/>	tts-connman-tests	--	--	1.0.7-1	
<input type="checkbox"/>	webapi-tizen-time-tests	--	--	1.1.2-1	
<a href="#">Execute</a>	<a href="#">Clear</a>	<a href="#">Test Plan</a>	<a href="#">Save</a>	<a href="#">Load</a>	<a href="#">Manage</a>

Figure 3-29 Clear all filters and package check box (1)

Click Clear button, all filters and package check box will change to init value, as shown in Figure 3-30.

**TESTKIT**

PLAN | EXECUTE | REPORT | STATISTIC | HELP

Create Test Plan

		Packages	Filter	View	Update		
Architecture	Any Architecture	Version	Any Version				
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				
<input type="checkbox"/> Package Name	Case Number	Installed Version	Upgraded Version	Operation			
<input type="checkbox"/> cts-webapi-nonw3c-tests	1382	1.1.3-1	--				
<input type="checkbox"/> webapi-sanity-tests	264	1.1.2-3	1.1.3-1				
<input type="checkbox"/> webapi-w3c-perf-tests	160	1.1.3-1	--				
<input type="checkbox"/> tts-bluez-tests	--	--	1.0.7-1				
<input type="checkbox"/> webapi-tizen-time-usage-t...	--	--	1.0.5-2				
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.2-1				
<input type="checkbox"/> webapi-w3c-content-tests	--	--	1.1.4-1				
<input type="checkbox"/> tts-bluez-tests	--	--	1.2.0-1				
<input type="checkbox"/> webapi-w3c-perf-tests	--	--	1.1.1-1				
<input type="checkbox"/> webapi-w3c-css3-tests	--	--	1.1.2-1				
<input type="checkbox"/> webapi-w3c-widget-tests	--	--	1.1.0-1				
<input type="checkbox"/> webapi-w3c-device-tests	--	--	1.1.3-1				
<input type="checkbox"/> tts-connman-tests	--	--	1.0.7-1				
<input type="checkbox"/> webapi-tizen-time-tests	--	--	1.1.2-1				

Execute Clear Test Plan Save Load Manage

Figure 3-30 Clear all filters and package check box (2)

## 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.

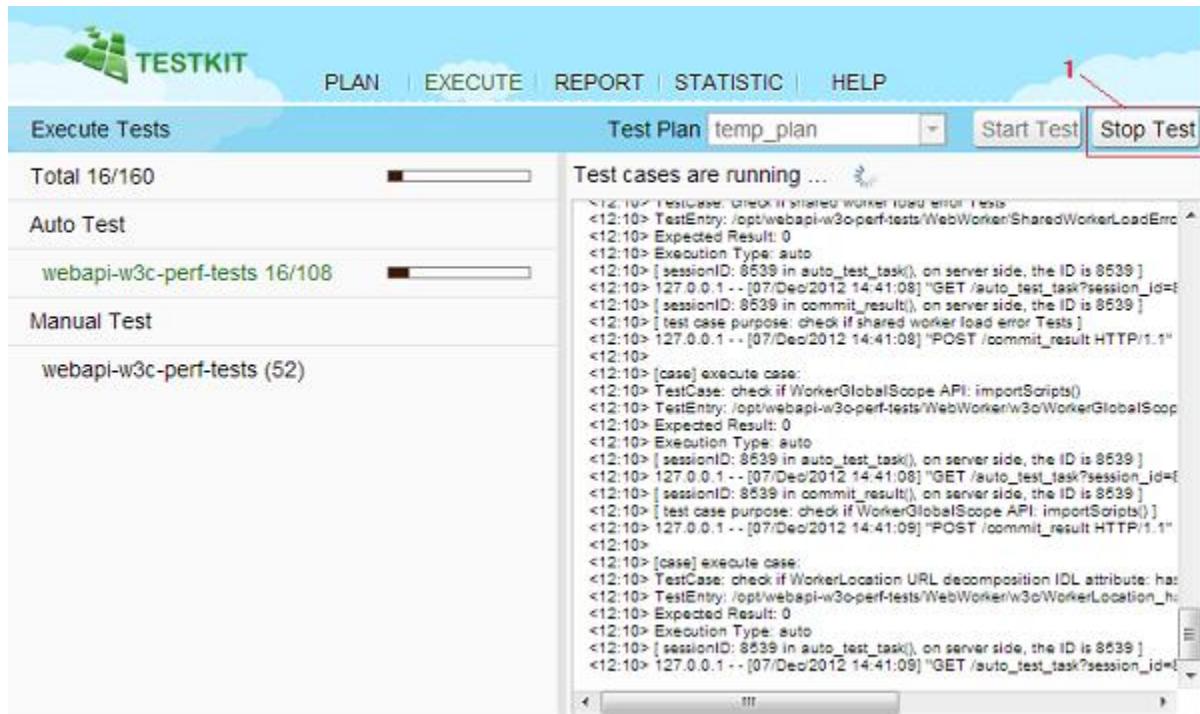


Figure 4-1 Auto test report

### 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.

**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	160
Test Passed	58
Test Failed	15
Test N/A	87
Test Not Run	0
Start time	2012-12-07_14_40_54
End time	2012-12-07_14_40_55

### Test Summary by Suite

Suite	Passed	Failed	N/A	Not Run	Total
webapi-w3c-perf-tests	58	15	87	0	160

### Detailed Test Results

**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 2012-12-07-14:40:54.072118 in tree view

List View **Tree View**

View by **Package** Result **FAIL** Type **All**

	Name	Description	Result
- webapi-w3c-perf-tests(160 58 15 87 0)	Worker_cross_origin_sec...	check if Worker SECURIT...	FAIL
- webapi-w3c-perf-tests(160 58 15 87 0)	postMessage_clone_port...	check if postMessage(): cl...	FAIL
- WebWorker(96 8 2 86 0)	AnimationTiming_Window...	check if window.cancelAni...	FAIL
- PageVisibility(42 42 0 0 0)	AnimationTiming_Callbac...	check if FrameRquestCall...	FAIL
- AnimationTiming(22 8 13 1 0)	AnimationTiming_Window...	check if window.requestA...	FAIL
	AnimationTiming_Callbac...	Multiple same callback re...	FAIL
	AnimationTiming_Window...	Check whether window.re...	FAIL
	AnimationTiming_Callbac...	Multiple same callback re...	FAIL
	AnimationTiming_Window...	Check whether window.re...	FAIL
	AnimationTiming_Callbac...	Check whether FrameRe...	FAIL
	AnimationTiming_Window...	check if window.requestA...	FAIL
	AnimationTiming_Window...	Check whether window.re...	FAIL
	AnimationTiming_Callbac...	Multiple same callback re...	FAIL
	AnimationTiming_Window...	check if window.requestA...	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	   

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**

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	160
Test Passed	58
Test Failed	15
Test N/A	87
Test Not Run	0
Start time	2012-12-07_14_40_54
End time	2012-12-07_14_40_55

### Test Summary by Suite

Suite	Passed	Failed	N/A	Not Run	Total
webapi-w3c-perf-tests	58	15	87	0	160

### Detailed Test Results

**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.



Test report for 2012-12-07-14:40:54.072118 in tree view

PLAN | EXECUTE | REPORT | STATISTIC | HELP

List View **Tree View**

View by **Package** Result **FAIL** Type **All**

	Name	Description	Result
- webapi-w3c-perf-tests(160 58 15 87 0)	Worker_cross_origin_sec...	check if Worker SECURIT...	FAIL
- webapi-w3c-perf-tests(160 58 15 87 0)	postMessage_clone_port...	check if postMessage(): cl...	FAIL
- WebWorker(96 8 2 86 0)	AnimationTiming_Window...	check if window.cancelAni...	FAIL
- PageVisibility(42 42 0 0 0)	AnimationTiming_Callbac...	check if FrameRquestCall...	FAIL
- AnimationTiming(22 8 13 1 0)	AnimationTiming_Window...	check if window.requestA...	FAIL
	AnimationTiming_Callbac...	Multiple same callback re...	FAIL
	AnimationTiming_Window...	Check whether window.re...	FAIL
	AnimationTiming_Callbac...	Multiple same callback re...	FAIL
	AnimationTiming_Window...	Check whether window.re...	FAIL
	AnimationTiming_Callbac...	Check whether FrameRe...	FAIL
	AnimationTiming_Window...	check if window.requestA...	FAIL
	AnimationTiming_Window...	Check whether window.re...	FAIL
	AnimationTiming_Callbac...	Multiple same callback re...	FAIL
	AnimationTiming_Window...	check if window.requestA...	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.

Test report for 2012-12-07-14:40:54.072118 in tree view

View by **Package**

Result FAIL

Type All

Name	Description	Result
Worker_cross_origin_sec...	check if Worker SECURIT...	FAIL
postMessage_clone_port...	check if postMessage(): cl...	FAIL
AnimationTiming_Window...	check if window.cancelAni...	FAIL
AnimationTiming_Callbac...	check if FrameRquestCall...	FAIL
AnimationTiming_Window...	check if window.requestA...	FAIL
AnimationTiming_Callbac...	Multiple same callback re...	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 2012-12-07-14:40:54.072118 in tree view

List View Tree View

View by	Package	Result	FAIL	Type	All
1	webapi-w3c-perf-tests(160 58 15 87 0)	Name	Worker_cross_origin_sec...	Description	Result
	webapi-w3c-perf-tests(160 58 15 87 0)		postMessage_clone_port...	check if postMessage(): cl...	FAIL
	WebWorker(96 8 2 86 0)	TC ID:	postMessage_clone_port_error		
	PageVisibility(42 42 0 0 0)	TC Pur...	check if postMessage(): cloning source port		
	AnimationTiming(22 8 13 1 0)	Priority:	P2	Execution Type:	auto
		Compo...	WebAPI/W3C_Pe...	Requirement:	none
		Case S...	approved		
		Type:	compliance		
		Catego...	none		
		Pre-conditions:	TBD		
		Post-conditions:	none		
		Steps	Step Descripti...	to check if postMessage(): cloning source port	
			Expected Result:	postMessage(): cloning source port	
		Notes:	none		
		Test Script Entry:	/opt/webapi-w3c-perf-tests/WebWork...		
		Test Script Expect...	0		
		Actual result:	FAIL		
		Start:	2012-12-07 14:41:19.167297		

**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

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

2 — Compare Delete

Figure 5-6 Refreshed REPORT tab page

- Select one or multiple check boxes.

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

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

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

Compare Delete

Figure 5-7 Refreshed REPORT tab page

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

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	%2E represents
-------------------------------	----------------

Figure 5-8 Refreshed REPORT tab page

- Type server name in context **Input Server Name**.

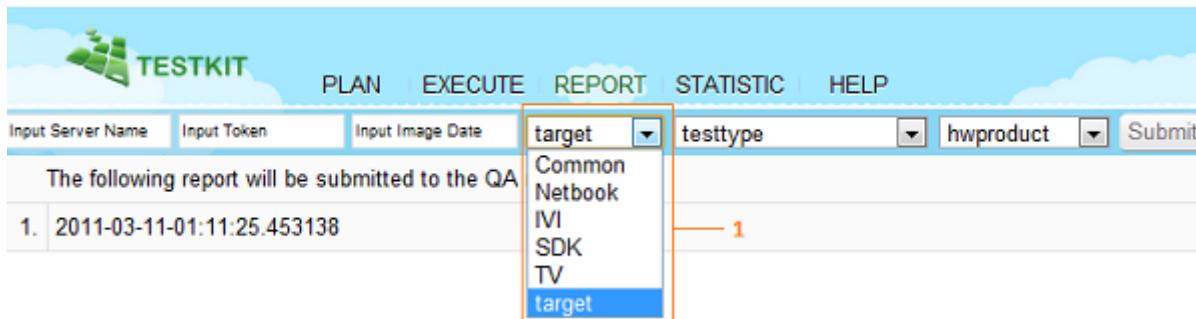
(2). Type token in context **Input Token**.

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**.

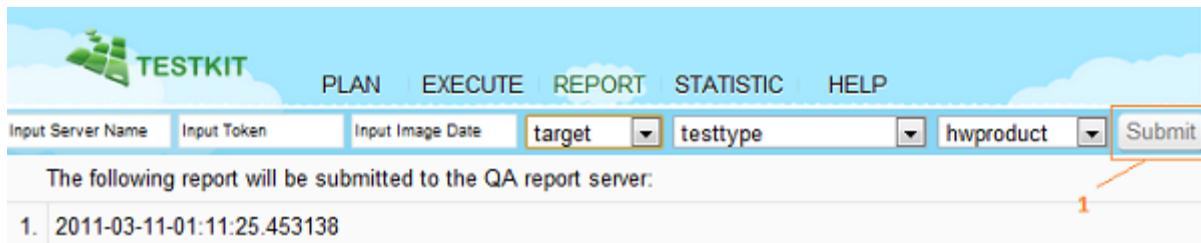
Note: %2E is used to indicate “.”. For example, type **20120319%2E5** for “20120319.5”.

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



**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.



**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.

The screenshot shows the TESTKIT application interface. At the top, there is a navigation bar with links: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the navigation bar, a title bar says "Test report for all executions". The main content area is a table with the following columns: Test Time, Test Plan, Device Name, Auto Status, Manual Status, and Operation. There are two rows of data in the table.

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

Figure 5-11 Comparing reports (1)

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

The screenshot shows the TESTKIT application interface after a refresh. At the top, there is a navigation bar with links: PLAN, EXECUTE, REPORT, STATISTIC, and HELP. Below the navigation bar, there are two timestamp fields: "2012-10-10-10:09:35.788245" and "2000-03-12-10:36:03.837819". The main content area is a table with the following columns: Name, Result, Name, and Result. The table lists various test cases, all of which have passed (PASS).

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_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.

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

Figure 5-13 Deleting test report(s)

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

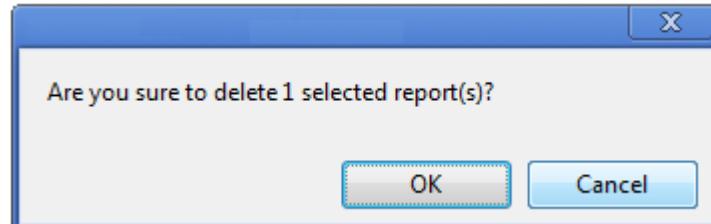


Figure 5-14 Confirmation dialog box (5)

- 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”.

Test report for all executions						
	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	    
				1	2	<a href="#">Compare</a> <a href="#">Delete</a>

**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.

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



## 6. Statistic Test Case

### 6.1 Viewing results

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.

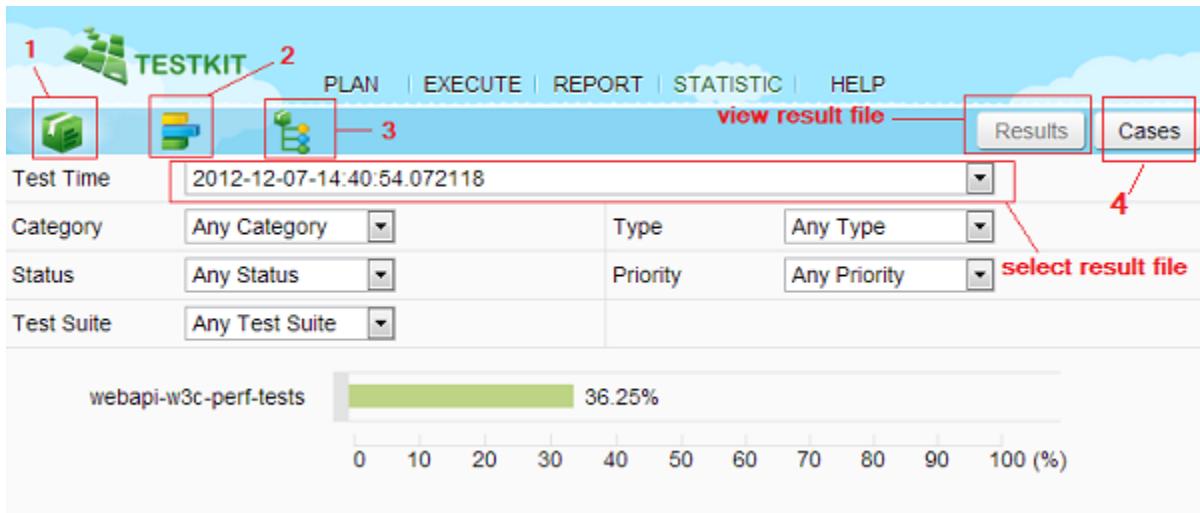


Figure 6-1 Viewing statistics by package chart(results)

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

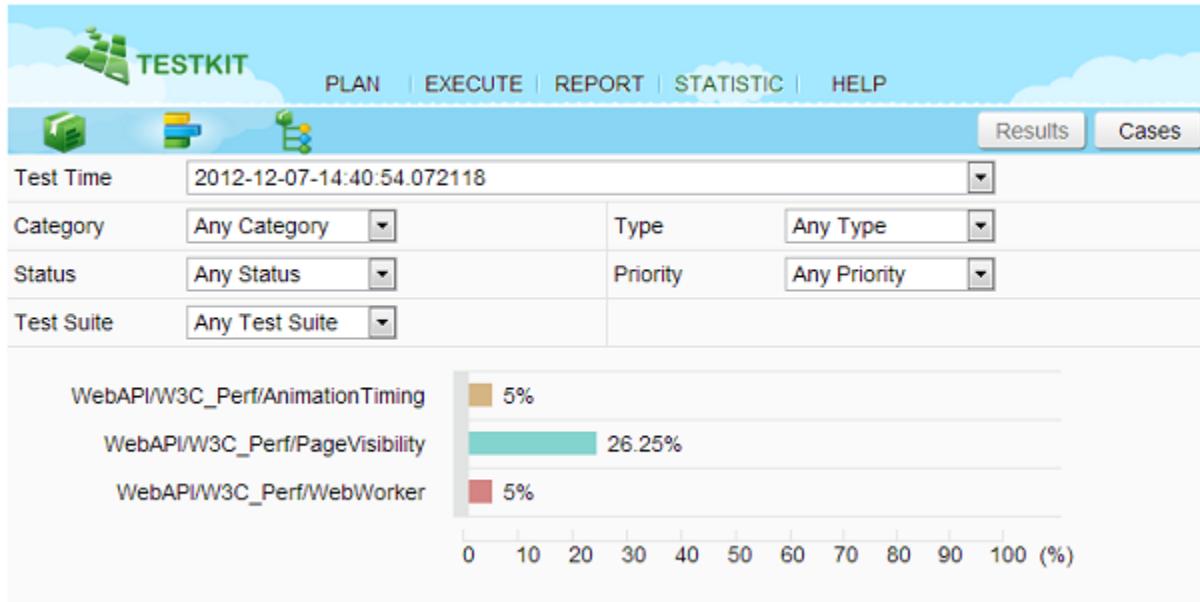
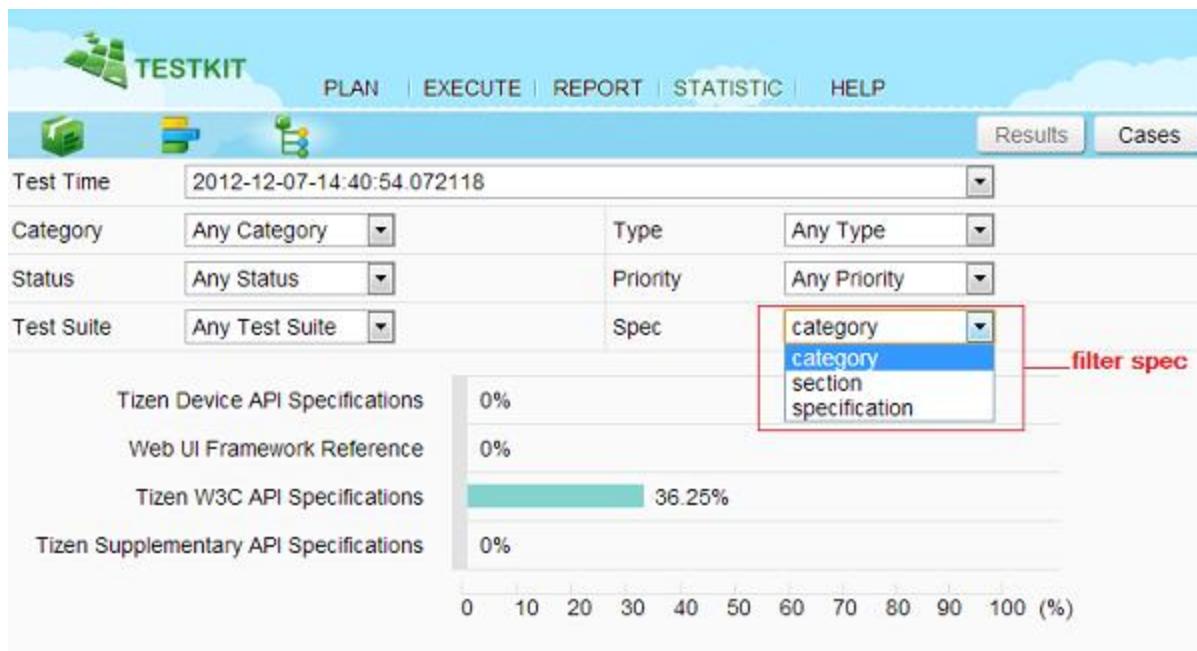


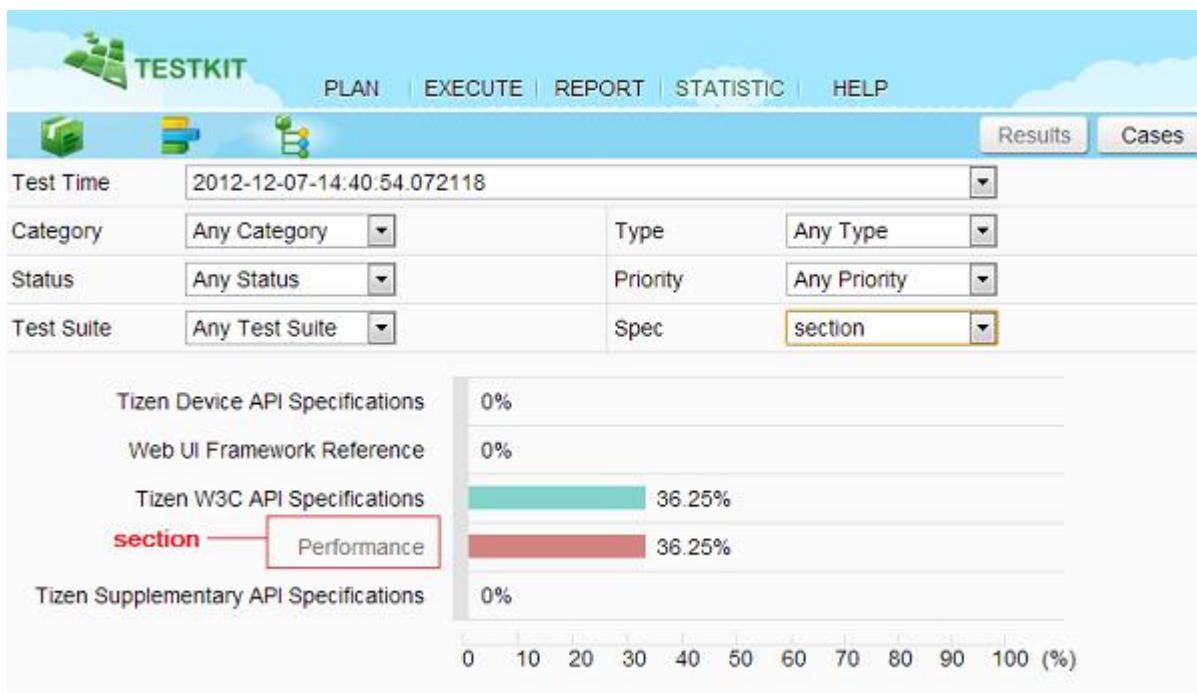
Figure 6-2 Viewing statistics by component chart (results)

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

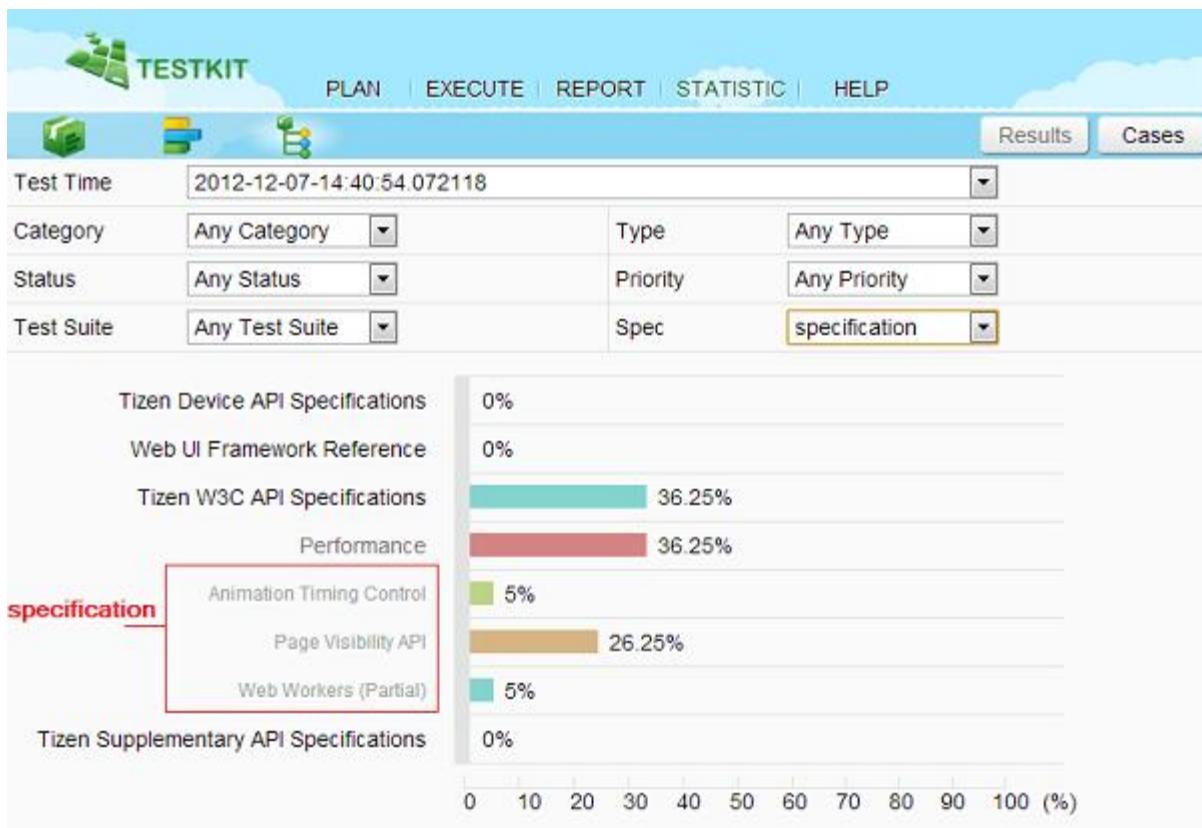


**Figure 6-3** Viewing statistics by spec chart(results)

- Click the spec filter in Figure 6-3 to view statistics by spec chart. The page refreshes, as shown in Figure 6-4 and 6-5. The filter function becomes available.



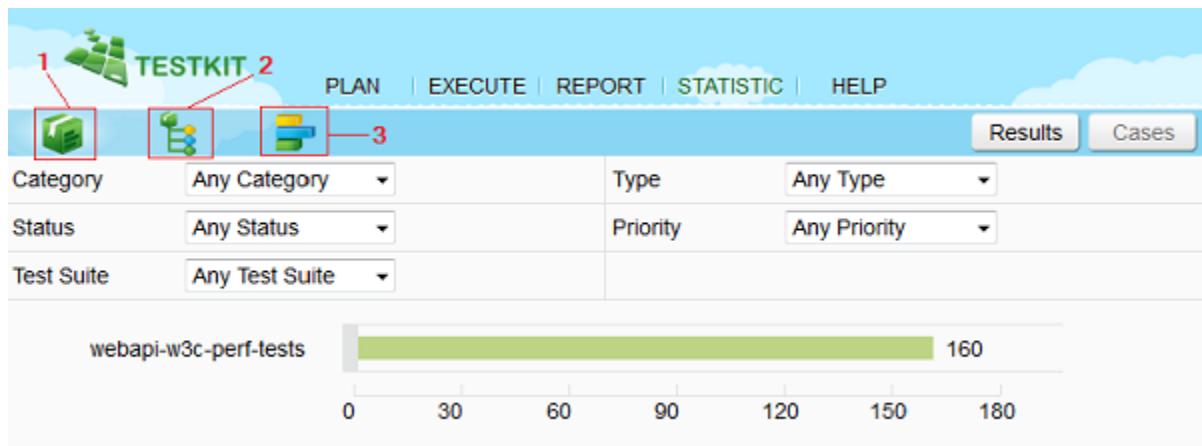
**Figure 6-4** Viewing statistics by spec chart(results)



**Figure 6-5 Viewing statistics by spec chart(results)**

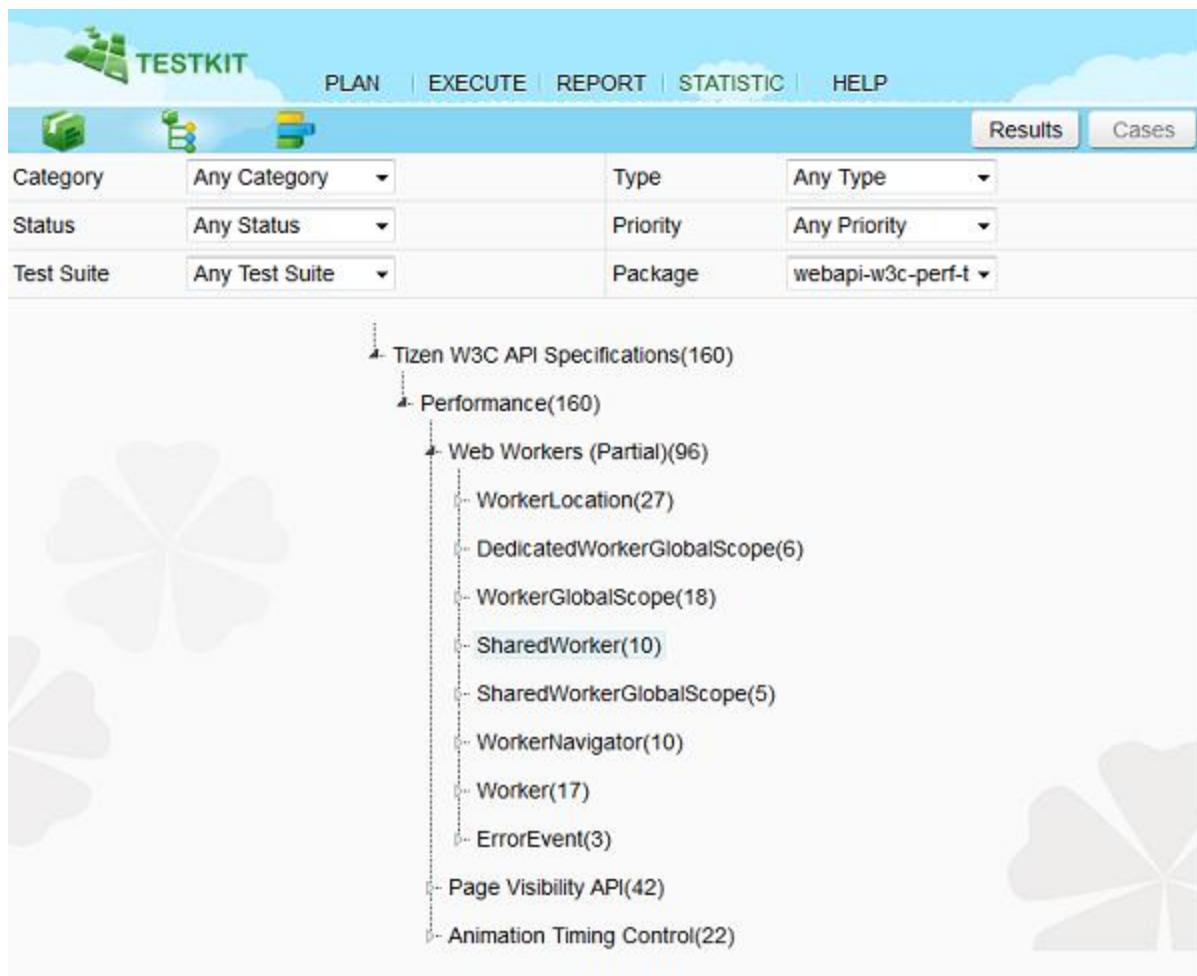
## 6.2 Viewing cases

1. Click button “cases”, as shown by [4] in Figure 6-1. The page refreshes, as shown in Figure 6-1. The filter function becomes available.



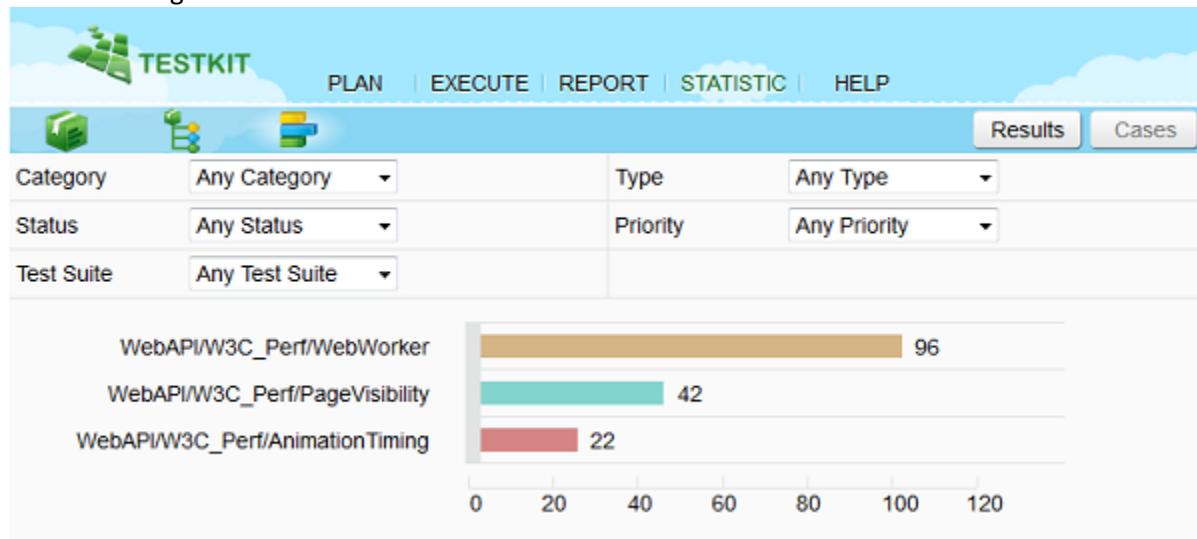
**Figure 6-6 Viewing statistics by package chart(cases)**

2. Click the icon marked by [2] in Figure 6-6 to view statistic by tree diagram. The page refreshes, as shown in Figure 6-7. The filter function becomes available.



**Figure 6-7** Viewing statistics by tree diagram (cases)

- Click the icon marked by [3] in Figure 6-6 to view statistic by component chart. The page refreshes, as shown in Figure 6-8. The filter function becomes available.



**Figure 6-8** Viewing statistics by component chart(cases)