

Test Runner Tab

The **Test Runner** tab opens in the **Run** tool window when a testing session begins, and features the same **toolbar buttons**.



1. The **progress bar** shows the percentage of tests executed so far.
2. The color of the **status bar** indicates whether the tests have passed successfully. If at least one of the tests fails, the status bar turns red.
3. The **left-hand pane** shows the tree view of all tests within the current run/debug configuration.
 - The root node represents the test case selected to run.
 - The nested nodes represent the hierarchy of test suites and test cases.
 - The leaf nodes represent the individual tests.The status of each test is indicated by an **icon**. Double-click a node to open the respective test class or test method in the editor.
4. The **testing toolbar** provides controls that enable you to monitor the tests and analyze results. Some of the commands are duplicated on the **context menus** of the test tree nodes and the entries in the **Statistics** pane.
5. The **Output** pane shows the output of the current test suit.
6. The **Statistics** pane shows the list of executed tests with the time used for executing each test and the test result.

Run Toolbar

Item	Tooltip and Shortcut	Description
	Rerun Ctrl+F5	Click this button to rerun the current process. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">The process reruns always in the same console regardless of whether this console is pinned or not.</div>
	Rerun Failed Tests	Click this button to have IntelliJ IDEA execute all the tests that failed.
	Pause Output	Click this button to have the process output paused.
	Dump Threads Ctrl+Break	Click this button to dump all threads of the current process showing their status in the Sun format.
	Exit	Click this button to terminate the current process gracefully using in-process internal mechanisms. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">This button is available for GWT applications only.</div>
	Stop Ctrl+F2	Click this button to terminate the current process externally by means of the standard mechanisms.

Item	Tooltip and Shortcut	Description
	Layout	Click this button to choose a layout of the toolbars by selecting the desired option from the pop-up menu.
	Pin	When this button is pressed, the current tab will not be overwritten; instead, the results of the next command will be displayed in a new tab.
	Ctrl+Shift+F4	Click this button to close the selected tab of the Run tool window and terminate the current process.
	F1	Click this button to show reference.

Testing Toolbar

Item	Tooltip and Shortcut	Description
	Hide Passed	Press this button, to have IntelliJ IDEA show only the failed tests or the tests that encountered problems in the left-hand pane. If this button is not pressed, all tests are displayed in the tree view.
	Sort alphabetically	Click this button to sort tests in alphabetical order.
	Expand All/Collapse All Ctrl+NumPad+ or Ctrl+Equals Ctrl+NumPad - or Ctrl+Minus	Click these buttons to have all nodes in the tree view of tests expanded. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">These buttons are only available if the tested application contains more than test case.</div>
	Previous/Next Failed Test Ctrl+Alt+Up/Ctrl+Alt+Down	Click this button to navigate between the failed tests.
	Show coverage per test	Click this button to have the code coverage results shown in the Project tool window. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">The button is available after all the tests are executed provided that code coverage is enabled in the current run configuration.</div>
	Export Test Results	Click this button to have the results of the selected test saved in a file. IN the Export Test Results that opens, specify the file to save the output in and the format in which the data will be saved.

Item	Tooltip and Shortcut	Description
		<p>Click this cog button to access the context menu with the following options:</p> <ul style="list-style-type: none"> ■ Track Running Test: turn this option on to monitor execution of the current test. If a test suite contains multiple tests, the tree view of tests expands to show sequential test methods, as they are executed. ■ Hide Ignored: turn this option on to suppress showing ignored tests in the tree view of all tests within the current run/debug configuration or test class. ■ Select First Failed Test When Finished: turn this option on to have the first failed test automatically selected in the tree view upon completing the tests. ■ Scroll to Stacktrace: turn this option on to have the console scroll to the beginning of the trace of the last failed test. If you click the root node (the test package) in the tree view with this option turned off, the console will show the very beginning of the test. <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p>This option is helpful when a test package contains multiple test classes and test methods. If some of the tests fail, you can scroll in the console to the beginning of a stack trace of an exception or assertion.</p> </div> <ul style="list-style-type: none"> ■ Autoscroll to Source: turn this option on to have the currently selected test in the tree view synchronized with the editor automatically. ■ Open Source at Exception: use this option to explore the results of a test that fails as an error, throwing an uncaught exception. If you double-click the failed test class or method in the tree view with this option turned on, the respective test class or method will open in the editor, with the caret placed at the line that caused the problem. ■ Show Statistics: turn this option on to have the Statistics pane opened, displaying a list of executed tests with the time used for executing each test and the test result.

Test Status Icons

Icon	Description
	<p>Test error. This status is assigned to tests that caused an exception from the tested source code.</p>
	<p>Test failed. If at least one test receives this status, the entire tree is marked as terminated as well.</p>
	<p>Test ignored.</p>
	<p>Test in progress.</p>
	<p>Test passed successfully.</p>
	<p>Test paused.</p>
	<p>Test terminated. This status is assigned to tests that were cancelled by clicking the Stop button . If at least one test receives this status, the entire tree is marked as terminated as well.</p>

Icon	Description
	Test not run. This status is assigned to a test when IntelliJ IDEA has not launched it at all, for example, because testing was terminated by clicking the Stop button  .

Output pane

This pane shows output of each test, generated at runtime, including all the messages sent to the output stream, and the error messages. The following table shows the toolbar buttons and context menu commands available for the Output pane.

Item	Keyboard Shortcut	Description
	Up the Stack Trace Ctrl+Alt+Up	Click this button to navigate up in the stack trace and have the cursor jump to the corresponding location in the source code.
	Down the Stack Trace Ctrl+Alt+Down	Click this button to navigate down in the stack trace and have the cursor jump to the corresponding location in the source code.
	Use Soft Wraps	Click this button to toggle the soft wrap mode of the output.
	Scroll to the end	Click this button to navigate to the bottom of the stack trace and have the cursor jump to the corresponding location in the source code.
	Print	Click this button to configure printing out the console output in the Print dialog box that opens.
Clear All		Choose this item on the context menu to have all messages for the selected test deleted.
Copy Content	Ctrl+C or Ctrl+Insert	Choose this item on the context menu to have the current contents of the Output pane placed to the Clipboard.
Compare with Clipboard		Choose this item on the context menu to invoke the Differences Viewer which shows the current contents of the Clipboard in the left-hand pane and the contents of the Output pane for the selected test in the right-hand pane.

Statistics Pane

This pane shows how long it took to execute a test suite and the number of passed and failed tests within it. You can have information in columns shown in the ascending or descending order by clicking the column headers.

To view statistics on each test separately, double click the test suite which contains the desired test. The pane shows a list of all the tests in the selected suit.

The [Context menu](#) commands are the same as for the tree view of tests.

Column name	Description
Test	Name of the test class or test method.

Column name	Description
Time elapsed	The number of seconds spent to to execute this test.
Results	This column shows summary information about the test execution results. For individual tests, the column shows the <i>pass</i> or <i>fail</i> status. For test case or test suites, the column shows the number of failed and passed tests within it.

Context menu commands

Command	Keyboard shortcut	Description
View assertEquals Difference	Alt+Enter	Choose this command to show the Differences viewer for the strings being compared. This command is only available when assertion has failed.
Create <test name>		Create a run/debug configuration on the base of the selected test.
Run <test name>	Ctrl+Shift+F10	Run the selected test with the current temporary run/debug configuration .
Debug <test name>		Debug the selected test with the current temporary run/debug configuration .
Run <test name> with Coverage	Ctrl+Shift+F10	Run the selected test and collect coverage data in accordance with the current temporary run/debug configuration .
Jump to Source	F4	Choose this command to move the focus to the editor, to the definition of a test class, or test method.
Show Source	Ctrl+Enter	Choose this command to open source code in the editor, but leave the focus with the Test Runner tab.
Show Statistics		Choose this command to open the Statistics pane if it is closed.

See Also

Procedures:

- [Manipulating the Tool Windows](#)
- [Testing](#)
- [Performing Tests](#)
- [Rerunning Tests](#)

Reference:

- [Run Tool Window](#)

Web Resources:

- [Developer Community](#) 

