

Android Tool Window

View | Tool Windows | Android

In this tool window, view and analyze the system debug output when debugging Android applications. The tool window consists of two tabs:

- [Devices / Logcat Tab](#)
- [ADB logs](#)
- [Toolbar](#)

Devices / Logcat Tab

The tab consists of three areas:

- **Devices** pane
- **Logcat** pane
- **Toolbar**

Devices

In this pane, appoint the virtual emulator or the physical device where the application to debug is executed. The **Devices** drop-down list shows all the currently running devices. After that the area shows a list of all the processes on the selected device.

Logcat

The pane shows the log of all the processes that are currently running on the device appointed in the **Devices** pane. To have the pane show only the messages corresponding to a specific process, select the process of interest in the **Devices** pane and then press the **Only show logcat for selected process** toggle button  on the toolbar.

Toolbar

Use the toolbar buttons to configure the range and presentation of the log data in the pane and to navigate through the log.

Item	Tooltip and shortcut	Description
	Only show logcat for selected process	<ul style="list-style-type: none">■ Press this toggle button to have the Logcat pane show only the messages that refer to the process selected in the Devices pane.■ Release this toggle button to have the Logcat pane show all the messages that are running on the virtual or physical device chosen in the Devices pane.

Item	Tooltip and shortcut	Description
Log Level		<p>In this drop-down list, specify the priority of messages to display. This improves the visibility of information in the tool window. The available options are:</p> <ul style="list-style-type: none">■ Verbose■ Debug■ Info■ Warn■ Error■ Assert
	Find	<p>Use this text box to search through the list of messages according to entire messages or parts of them. As you type a search string, the messages that match the search pattern are displayed, with the matching character strings highlighted. To finalize the search, press Enter. The previously used search patterns are stored in the search history list.</p>

Item	Tooltip and shortcut	Description
Filters		<p>In this area, configure a list of filter configurations and appoint the relevant one to apply.</p> <p>A <i>filter configuration</i> is a set of <i>filtering parameters</i>. Applying <i>filter configurations</i> provides more flexible control over the type and amount of information displayed that just specifying the information type by choosing a <i>message priority</i> in the Log level drop-down list.</p> <ul style="list-style-type: none"> ■ To have a filter applied, choose it from the Filter drop-down list. ■ To have all the log information displayed, choose No Filters from the drop-down list. ■ To create a new <i>filter configuration</i>, choose Edit Filter Configuration. In the Create New Logcat Filter dialog box that opens, click the Add toolbar button + and specify the <i>filtering parameters</i> based on various factors: <ul style="list-style-type: none"> ■ Log Tag: use this parameter to have only messages from a certain component displayed. Type the regular expression to specify the <i>tag</i> that indicates the relevant system component, such as <i>activity</i>, <i>activity</i>, etc.. For more details, see Filtering Log Output . ■ Log Message: use this parameter to have only messages that contain certain elements or character strings displayed. Type the regular expression the defines specify the character string to detect. ■ Package Name: use this parameter to have only messages that refer to a specific Java package (class path) displayed. ■ PID: use this parameter to have only messages that refer to a specific process (process ID) displayed. ■ Log Level: use this parameter to have only messages with a certain <i>priority</i> displayed, see Filtering Log Output  for details. <p>To update a filter, select it in the list and change the filtering parameters.</p> <ul style="list-style-type: none"> ■ To remove a filter configuration from the list, choose Edit Filter Configuration. In the Create New Logcat Filter dialog box that opens, select the filter and click the Delete toolbar button -.
		Click this button to clear the search history list.
Clear log		Click this button to have the data from previous sessions removed from the log file of the device.
	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.

Item	Tooltip and shortcut	Description
	Use Soft Wraps	Click this button to toggle the soft wrap mode of the output.
	Scroll to the end	If this button is pressed, the caret is always kept at the last line of the console output.
	Print	Click this button to have the logs printed.
	Clear All	Click this button to have all the messages removed from the console.
	Restart	Click this button to restart logging.

ADB logs

This tab shows the [Android Debugging Bridge](#) log messages.

Toolbar

The toolbar is common for the **Devices / Logcat** and **ADB** tabs.

Item	Tooltip and shortcut	Description
	Screen Capture	Click this button to capture the image of the application output on the screen of the emulator or physical device. The captured image is displayed in a dialog box where you can save it, if necessary.
	Screen Record	Click this button to start recording the application output on the screen of the emulator or physical device.
	System Information	Click this button to view information on the selected process provided by the Dumpsys . The logs are presented as text files and are shown in separate editor tabs. Choose the information type to view from the pop-up menu that opens: <ul style="list-style-type: none"> ■ Activity Manager state ■ Package Information ■ Memory Usage ■ Memory use over time ■ Graphics State
	Terminate Application	Click this button to cancel the execution of the application.
	Initiate GC	Click this button to start garbage collection, whereupon you can examine the amount of heap memory the selected process uses, see Viewing heap usage . The button is available only when you have selected a process in the Devices pane.
	Start Method Tracing	Click this button to invoke profiling of a method, see Starting method profiling . The button is available only when you have selected a process in the Devices pane.

See Also

Procedures:

- [Debugging with Logcat](#)

Reference:

- [Android Reference](#)

Getting Started:

- [IntelliJ IDEA Tool Windows](#)

Web Resources:

- [Developer Community](#) 