

# How to Use Logcat with BlueStacks 5

This document illustrates the steps to use Logcat with BlueStacks 5.

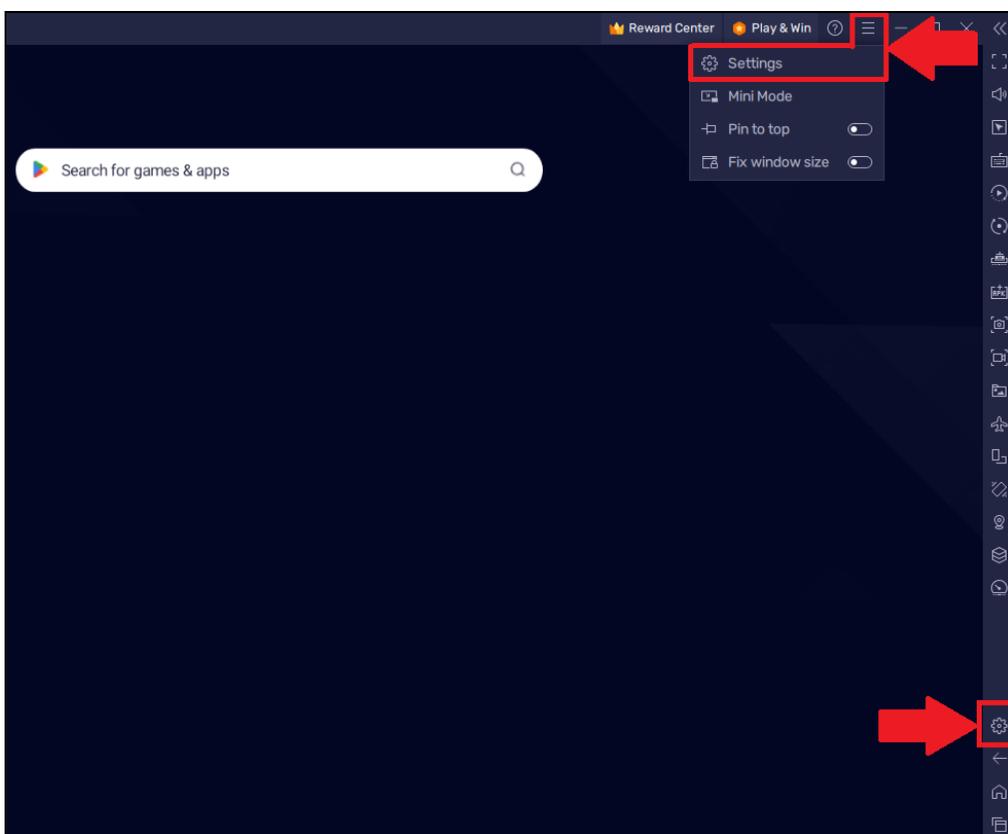
Logcat is a command-line tool that collects logs related to system messages during an error within the app. These logs can then be used to further analyze the root cause of the error/issue.

## Steps to use Logcat

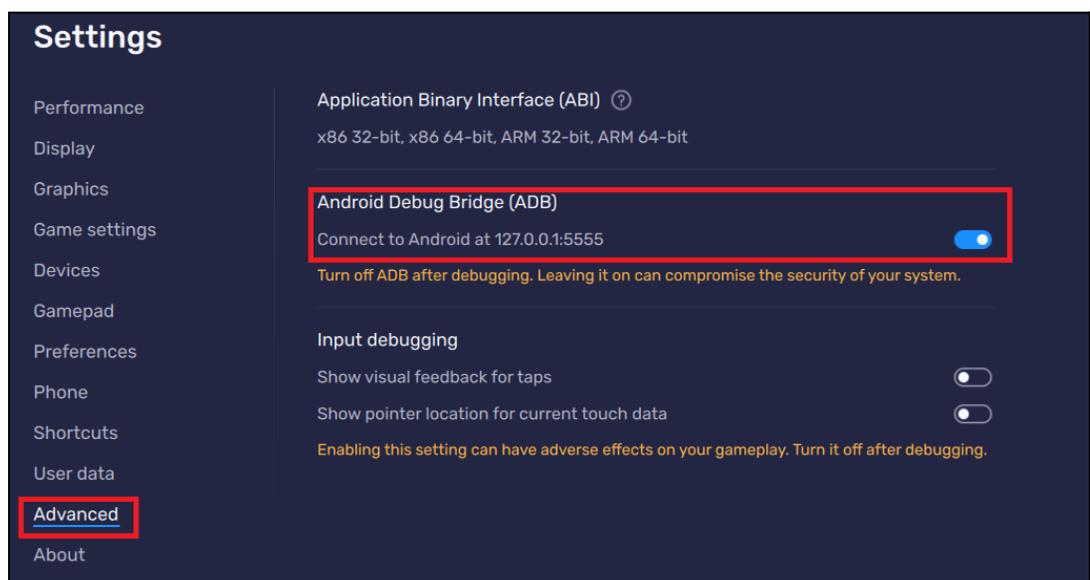
### 1. Enable ADB

To enable ADB:

- Open BlueStacks 5 and click on the **hamburger** or the **gear** icon to access the Settings menu, as shown below:



- Within the Settings menu:
  - Go to **Advanced**
  - Enable the **Android Debug Bridge (ADB)**, as shown below:

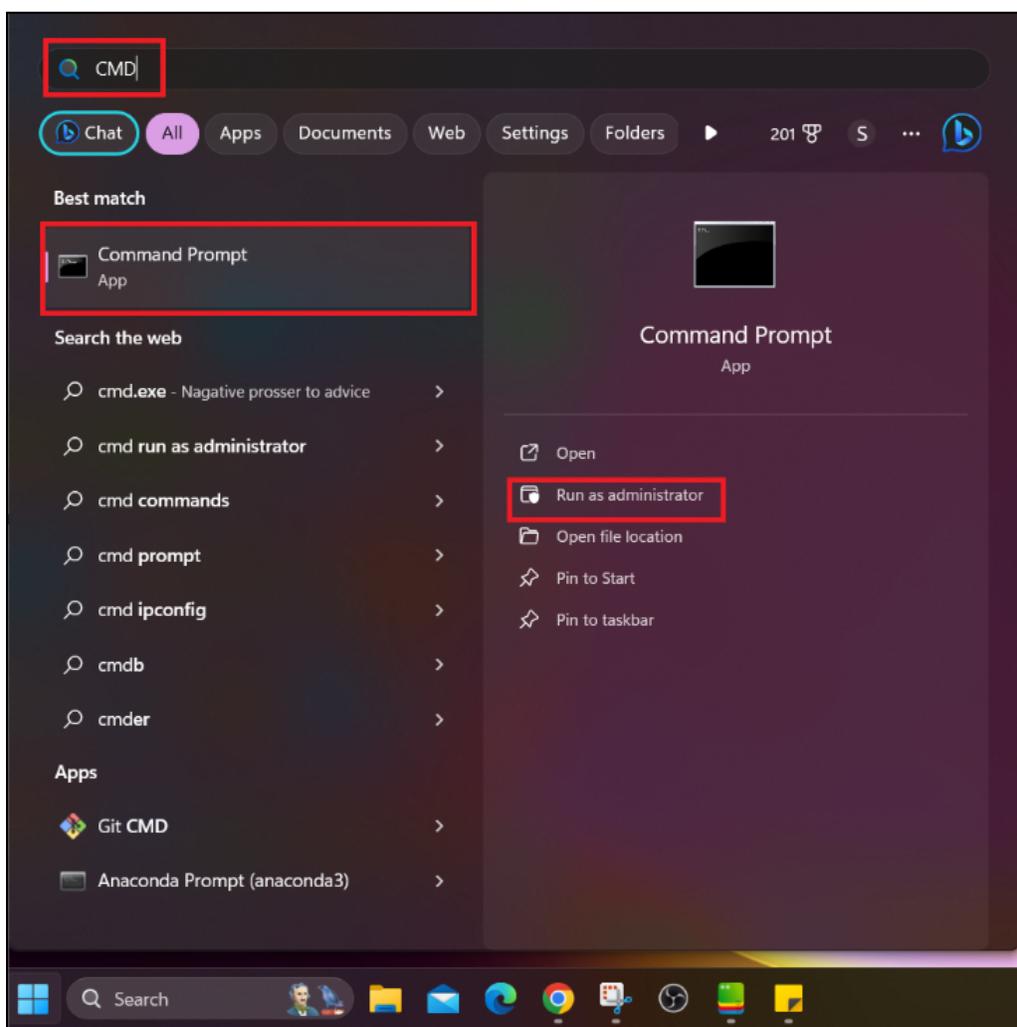


**Note:** Ensure that BlueStacks 5 is not closed while making the configuration changes shown in the following steps.

## 2. Access the Command line and connect to ADB Shell

This section illustrates the steps to open the Command line tool on Windows and navigate to the BlueStacks 5 directory to perform the required configurations.

- On your Windows device:
  - Click on **Start** and type **CMD**
  - Click on **Run as administrator** on the right-hand side to launch CMD as an administrator, as shown below:



- On the Command Prompt window, **type** `cd C:\Program Files\BlueStacks_nxt` and press **Enter**.

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.22621.2715]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd C:\Program Files\BlueStacks_nxt
C:\Program Files\BlueStacks_nxt>
```

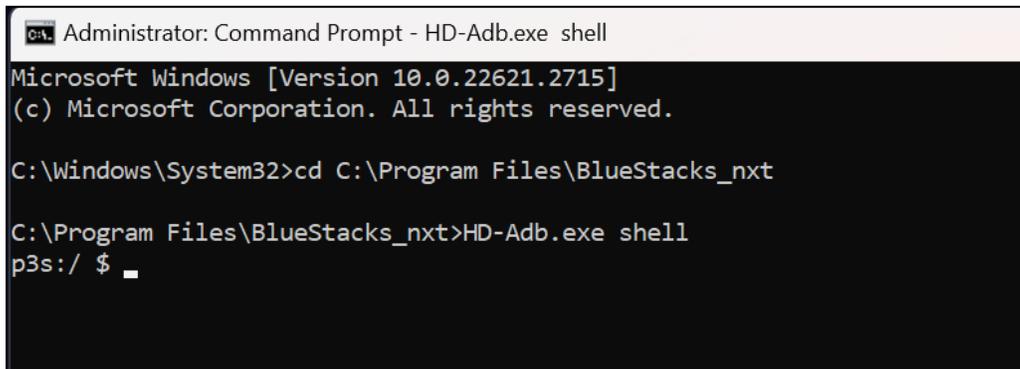
- You are now within the BlueStacks\_nxt directory and can interact with the ADB you enabled in the first step.

### 3. Starting Logcat

This section illustrates the steps to connect BlueStacks 5 to the ADB shell and use Logcat.

To connect BlueStacks 5 with ADB shell:

- On the Command Prompt, type `HD-Adb.exe shell` and press **Enter**.
- The device profile and “\$” will be displayed, as shown below.



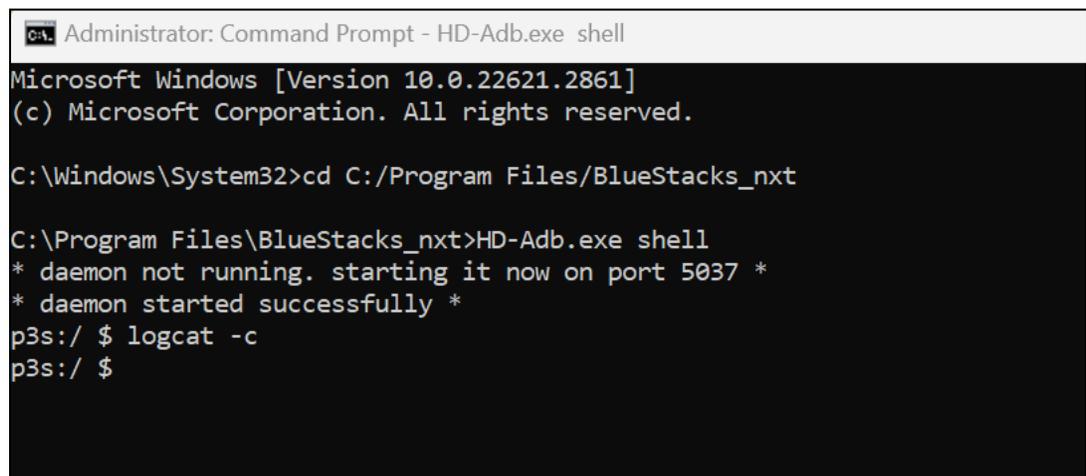
```
Administrator: Command Prompt - HD-Adb.exe shell
Microsoft Windows [Version 10.0.22621.2715]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd C:\Program Files\BlueStacks_nxt

C:\Program Files\BlueStacks_nxt>HD-Adb.exe shell
p3s:/ $
```

To use Logcat:

- **Clear Cache**
  - On the ADB Shell, type `logcat -c` and press **Enter**.

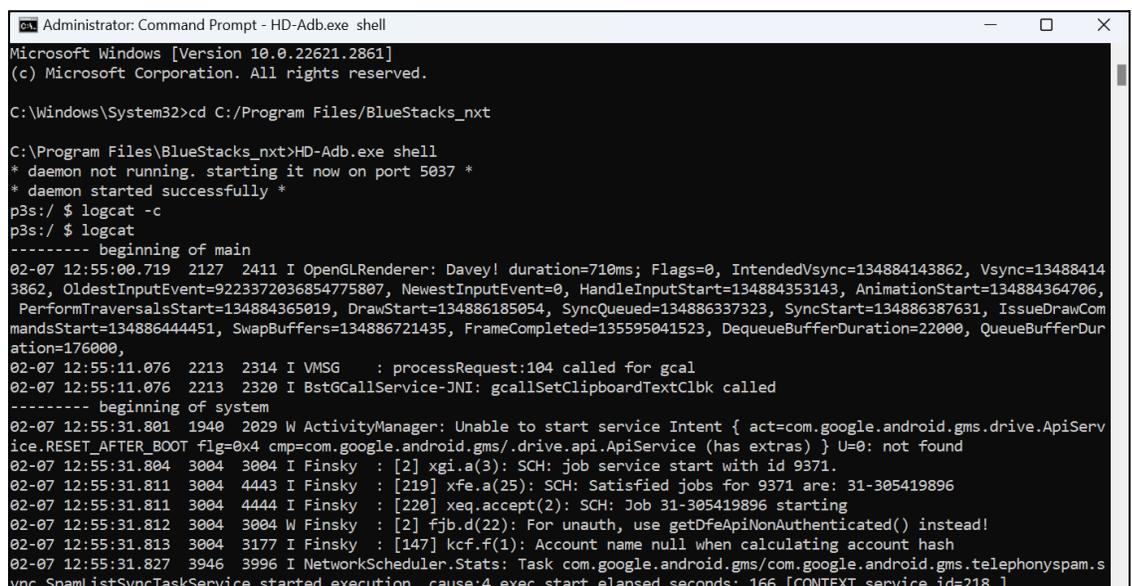


```
Administrator: Command Prompt - HD-Adb.exe shell
Microsoft Windows [Version 10.0.22621.2861]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd C:/Program Files/BlueStacks_nxt

C:\Program Files\BlueStacks_nxt>HD-Adb.exe shell
* daemon not running. starting it now on port 5037 *
* daemon started successfully *
p3s:/ $ logcat -c
p3s:/ $
```

- **Start Logcat**
  - Type `logcat` and press Enter to begin debugging.
  - Logs will start collecting in the Command Prompt window, as shown below:



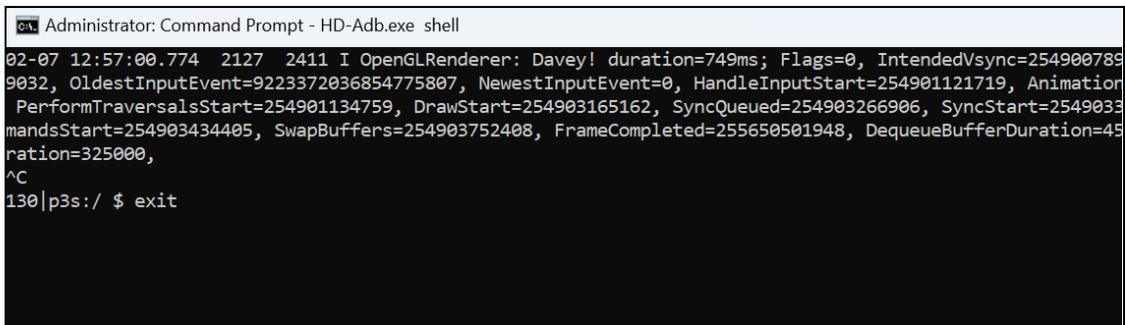
```
Administrator: Command Prompt - HD-Adb.exe shell
Microsoft Windows [Version 10.0.22621.2861]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd C:/Program Files/BlueStacks_nxt

C:\Program Files\BlueStacks_nxt>HD-Adb.exe shell
* daemon not running. starting it now on port 5037 *
* daemon started successfully *
p3s:/ $ logcat -c
p3s:/ $ logcat
----- beginning of main
02-07 12:55:00.719 2127 2411 I OpenGLRenderer: Davey! duration=710ms; Flags=0, IntendedVsync=134884143862, Vsync=134884143862, OldestInputEvent=9223372036854775807, NewestInputEvent=0, HandleInputStart=134884353143, AnimationStart=134884364706, PerformTraversalsStart=134884365019, DrawStart=134886185054, SyncQueued=134886337323, SyncStart=134886387631, IssueDrawCommandsStart=134886444451, SwapBuffers=134886721435, FrameCompleted=135595041523, DequeueBufferDuration=22000, QueueBufferDuration=176000,
02-07 12:55:11.076 2213 2320 I VMSG : processRequest:104 called for gcal
02-07 12:55:11.076 2213 2320 I BstGCallService-JNI: gcallSetClipboardTextClbk called
----- beginning of system
02-07 12:55:31.801 1940 2029 W ActivityManager: Unable to start service Intent { act=com.google.android.gms.drive.ApiService.RESET_AFTER_BOOT flg=0x4 cmp=com.google.android.gms/.drive.api.ApiService (has extras) } U=0: not found
02-07 12:55:31.804 3004 3004 I Finsky : [2] xgl.a(3): SCH: job service start with id 9371.
02-07 12:55:31.811 3004 4443 I Finsky : [219] xfe.a(25): SCH: Satisfied jobs for 9371 are: 31-305419896
02-07 12:55:31.811 3004 4444 I Finsky : [220] xeq.accept(2): SCH: Job 31-305419896 starting
02-07 12:55:31.812 3004 3004 W Finsky : [2] fjb.d(22): For unauth, use getDfeApiNonAuthenticated() instead!
02-07 12:55:31.813 3004 3177 I Finsky : [147] kcf.f(1): Account name null when calculating account hash
02-07 12:55:31.827 3946 3996 I NetworkScheduler.Stats: Task com.google.android.gms/com.google.android.gms.telephonyspam.sync.SpamListSyncTaskService started execution. cause:4 exec_start_elapsed_seconds: 166 [CONTEXT service_id=218 ]
```

- Some initial logs will start appearing on the screen. Wait for that to complete.
- **Reproduce Issues on BlueStacks 5**
  - Retrace your steps within BlueStacks App Player to reproduce the issue you are trying to debug.
    - Logcat will continue collecting logs in the background.
- **Stop Logcat**
  - After you have finished collecting logs, you can stop Logcat by pressing **Ctrl+C** on Command Prompt.
  - You can check the logs on the Shell or save the data to a text file that can be shared further per your requirements.
  - To save these logs as a file, you need to exit the ADB Shell.
- **Exit ADB Shell**

To exit ADB Shell, type **exit** on the ADB Shell and press **Enter**, as shown below:



```
Administrator: Command Prompt - HD-Adb.exe shell
02-07 12:57:00.774 2127 2411 I OpenGLRenderer: Davey! duration=749ms; Flags=0, IntendedVsync=254900789
9032, OldestInputEvent=9223372036854775807, NewestInputEvent=0, HandleInputStart=254901121719, Animation
PerformTraversalsStart=254901134759, DrawStart=254903165162, SyncQueued=254903266906, SyncStart=2549033
mandsStart=254903434405, SwapBuffers=254903752408, FrameCompleted=255650501948, DequeueBufferDuration=45
ration=325000,
^C
130|p3s:/ $ exit
```

- **Save Logs to File**

To save logs as a file, use the following command:

  - **HD-Adb.exe logcat >> <text file location>**
  - Here's a sample command for your reference:  
**HD-adb.exe logcat >> "C:\Users\bluestacks\Desktop\mylogcat.txt"**

### Important Information

- Based on the amount of log messages generated, it may take some time to save them.

