← C ☆ **Crash when pressing DPAD key with AndroidView composable (ExoPlayer)**   +1 ⁵   Hotlists (1)   Mark as Duplicate   🔔   ⋮

Comments (9)	Dependencies	Duplicates (0)	Blocking (0)	Resources (4)

Fixed   Bug   P1   + Add Hotlist

👥 **STATUS UPDATE** No update yet.   Edit

📄 **DESCRIPTION** ca...@gmail.com created issue #1   Mar 2, 2023 02:42PM   ⋮

Description has been deleted.

✓ Mentioned issues (2)   ✓ Links (2)   Hide all

🐞 **Mentioned issues (2)**

P2   Crash: IllegalStateException: Check failed in FocusInvalidationManager "https://issuetracker.google.com/267506001"   ca...@ #3

P2   Focus search sometimes crashes due to Modifier node not being attached "https://issuetracker.google.com/274897776"   on...@ #5

🔗 **Links (2)**

"http://com.mypackage.tv"   ca...@ #2
"https://android-review.googlesource.com/2545570"   ap...@ #6

COMMENTS   All comments ▾   ↓ Oldest first

⭕ **ca...@gmail.com** <ca...@gmail.com> #2   Mar 2, 2023 02:45PM ⋮

Jetpack Compose version: problem started to appears on version 1.4.0-alpha05 (still present on 1.4.0-beta02) and wasn't present with 1.4.0-alpha04

Jetpack Compose component(s) used: Various (Box,TvLazyRow,Card) but I suspect the AndroidView composable (exoplayer on it) but i'm really not sure, on the rest of my app i dont have problem with Focus Request or Key Event

Android Studio Build: Build #AI-221.6008.13.2211.9477386 (Android Studio Electric Eel | 2022.1.1)

Kotlin version: 1.8.10

Steps to Reproduce or Code Sample to Reproduce:

When I press anykey (DPAD) and my controller UI of ExoPlayer (made with compose) is no longer visible, this will make the entire app to crash without any line information regarding my code:

```
--------------------------- PROCESS ENDED (5401) for package com.mypackage.tv ----------------------------
2023-03-02 09:54:20.319  5401-5401  InputEventSender      com.mypackage.tv          E  Exception dispatching
finished signal.
2023-03-02 09:54:20.319  5401-5401  MessageQueue-JNI      com.mypackage.tv          E  Exception in
MessageQueue callback: handleReceiveCallback
2023-03-02 09:54:20.328  5401-5401  MessageQueue-JNI      com.mypackage.tv          E
 java.lang.IllegalStateException: Check failed.
                        at
androidx.compose.ui.focus.FocusTargetModifierNode.fetchFocusProperties$ui_release(FocusTargetModifierNode.kt:141)
                        at
androidx.compose.ui.focus.TwoDimensionalFocusSearchKt.collectAccessibleChildren(TwoDimensionalFocusSearch.kt:216)
                        at
androidx.compose.ui.focus.TwoDimensionalFocusSearchKt.findChildCorrespondingToFocusEnter--OM-
vw8(TwoDimensionalFocusSearch.kt:121)
                        at
androidx.compose.ui.focus.TwoDimensionalFocusSearchKt.twoDimensionalFocusSearch--OM-
vw8(TwoDimensionalFocusSearch.kt:96)
                                    at androidx.compose.ui.focus.FocusTraversalKt.focusSearch-
sMXa3k8(FocusTraversal.kt:110)
                                    at androidx.compose.ui.focus.FocusOwnerImpl.moveFocus-
3ESFkO8(FocusOwnerImpl.kt:150)
                        at
androidx.compose.ui.platform.AndroidComposeView$keyInputModifier$1.invoke-
ZmokQxo(AndroidComposeView.android.kt:208)
                        at
androidx.compose.ui.platform.AndroidComposeView$keyInputModifier$1.invoke(AndroidComposeView.android.kt:203)
                        at
androidx.compose.ui.input.key.KeyInputInputModifierNodeImpl.onKeyEvent-ZmokQxo(KeyInputModifierNode.kt:97)
                                    at androidx.compose.ui.focus.FocusOwnerImpl.dispatchKeyEvent-
ZmokQxo(FocusOwnerImpl.kt:180)
                        at
androidx.compose.ui.platform.AndroidComposeView.sendKeyEvent-ZmokQxo(AndroidComposeView.android.kt:608)
```

Right sidebar:

Reporter	⭕ ca...@gmail.com
Type	Bug
Priority	P1
Severity	S2
Status	Fixed
Access	Default access View

Expanded Access ❓

Assignee	⭕ ra...@google.com
Verifier	--
Collaborators	👥 _____ ^
CC	🔒 _____ ^
	ae...@google.com
	ca...@gmail.com

AOSP ID	--
Estimate	--
Estimate	--
Public Project Status	3-Not started
Public Status Summary	--
Test Field	--
Found In	--
Targeted To	--
Verified In	--
In Prod	⭕

Show 1 additional field ▾

```
                                                    at
androidx.compose.ui.platform.AndroidComposeView.dispatchKeyEvent(AndroidComposeView.android.kt:616)
                                                    at
android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1959)
                                                    at
android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1959)
                                                    at
android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1959)
                                                    at
android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1959)
                                                    at
com.android.internal.policy.DecorView.superDispatchKeyEvent(DecorView.java:476)
                                                    at
com.android.internal.policy.PhoneWindow.superDispatchKeyEvent(PhoneWindow.java:1861)
                                        at android.app.Activity.dispatchKeyEvent(Activity.java:4085)
                                                    at
androidx.core.app.ComponentActivity.superDispatchKeyEvent(ComponentActivity.java:126)
                                                    at
androidx.core.view.KeyEventDispatcher.dispatchKeyEvent(KeyEventDispatcher.java:86)
                                                    at
androidx.core.app.ComponentActivity.dispatchKeyEvent(ComponentActivity.java:144)
                                                    at
com.android.internal.policy.DecorView.dispatchKeyEvent(DecorView.java:390)
                                                    at
android.view.ViewRootImpl$ViewPostImeInputStage.processKeyEvent(ViewRootImpl.java:5960)
                                                    at
android.view.ViewRootImpl$ViewPostImeInputStage.onProcess(ViewRootImpl.java:5828)
                                                    at
android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:5310)
                                                    at
android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:5367)
                                                    at
android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:5333)
                                                    at
android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:5498)
                                                    at
android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:5341)
                                                    at
android.view.ViewRootImpl$AsyncInputStage.apply(ViewRootImpl.java:5555)
                                                    at
android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:5314)
                                                    at
android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:5367)
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android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:5333)
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android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:5341)
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android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:5314)
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android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:5367)
                                                    at
android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:5333)
                                                    at
android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:5531)
                                                    at
android.view.ViewRootImpl$ImeInputStage.onFinishedInputEvent(ViewRootImpl.java:5689)
                                                    at
android.view.inputmethod.InputMethodManager$PendingEvent.run(InputMethodManager.java:3179)
                                                    at
android.view.inputmethod.InputMethodManager.invokeFinishedInputEventCallback(InputMethodManager.java:2721)
                                                    at
android.view.inputmethod.InputMethodManager.finishedInputEvent(InputMethodManager.java:2712)
                                                    at
android.view.inputmethod.InputMethodManager$ImeInputEventSender.onInputEventFinished(InputMethodManager.java:3156
)
2023-03-02 09:54:20.328  5401-5401  MessageQueue-JNI      com.mypackage.tv               E    at
android.view.InputEventSender.dispatchInputEventFinished(InputEventSender.java:143)
                                                at android.os.MessageQueue.nativePollOnce(Native Method)
                                                at android.os.MessageQueue.next(MessageQueue.java:335)
                                                at android.os.Looper.loop(Looper.java:183)
                                                at android.app.ActivityThread.main(ActivityThread.java:7656)
                                                at java.lang.reflect.Method.invoke(Native Method)
                                                    at
com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:592)
                                                at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:947)
2023-03-02 09:54:20.329  5401-5401  AndroidRuntime        com.mypackage.tv               D  Shutting down VM
2023-03-02 09:54:20.347  5401-5401  AndroidRuntime        com.mypackage.tv               E  FATAL EXCEPTION: main
                                                Process: com.mypackage.tv, PID: 5401
                                                java.lang.IllegalStateException: Check failed.
                                                    at
androidx.compose.ui.focus.FocusTargetModifierNode.fetchFocusProperties$ui_release(FocusTargetModifierNode.kt:141)
                                                    at
androidx.compose.ui.focus.TwoDimensionalFocusSearchKt.collectAccessibleChildren(TwoDimensionalFocusSearch.kt:216)
                                                    at
androidx.compose.ui.focus.TwoDimensionalFocusSearchKt.findChildCorrespondingToFocusEnter--OM-
```

vw8(TwoDimensionalFocusSearch.kt:121)
                                                                at
androidx.compose.ui.focus.TwoDimensionalFocusSearchKt.twoDimensionalFocusSearch--OM-
vw8(TwoDimensionalFocusSearch.kt:96)
                                                at androidx.compose.ui.focus.FocusTraversalKt.focusSearch-
sMXa3k8(FocusTraversal.kt:110)
                                                at androidx.compose.ui.focus.FocusOwnerImpl.moveFocus-
3ESFkO8(FocusOwnerImpl.kt:150)
                                                                at
androidx.compose.ui.platform.AndroidComposeView$keyInputModifier$1.invoke-
ZmokQxo(AndroidComposeView.android.kt:208)
                                                                at
androidx.compose.ui.platform.AndroidComposeView$keyInputModifier$1.invoke(AndroidComposeView.android.kt:203)
                                                                at
androidx.compose.ui.input.key.KeyInputInputModifierNodeImpl.onKeyEvent-ZmokQxo(KeyInputModifierNode.kt:97)
                                                at androidx.compose.ui.focus.FocusOwnerImpl.dispatchKeyEvent-
ZmokQxo(FocusOwnerImpl.kt:180)
                                                                at
androidx.compose.ui.platform.AndroidComposeView.sendKeyEvent-ZmokQxo(AndroidComposeView.android.kt:608)
                                                                at
androidx.compose.ui.platform.AndroidComposeView.dispatchKeyEvent(AndroidComposeView.android.kt:616)
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android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1959)
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android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1959)
                                                                at
android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1959)
                                                                at
com.android.internal.policy.DecorView.superDispatchKeyEvent(DecorView.java:476)
                                                                at
com.android.internal.policy.PhoneWindow.superDispatchKeyEvent(PhoneWindow.java:1861)
                                                at android.app.Activity.dispatchKeyEvent(Activity.java:4085)
                                                                at
androidx.core.app.ComponentActivity.superDispatchKeyEvent(ComponentActivity.java:126)
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androidx.core.view.KeyEventDispatcher.dispatchKeyEvent(KeyEventDispatcher.java:86)
                                                                at
androidx.core.app.ComponentActivity.dispatchKeyEvent(ComponentActivity.java:144)
                                                                at
com.android.internal.policy.DecorView.dispatchKeyEvent(DecorView.java:390)
                                                                at
android.view.ViewRootImpl$ViewPostImeInputStage.processKeyEvent(ViewRootImpl.java:5960)
                                                                at
android.view.ViewRootImpl$ViewPostImeInputStage.onProcess(ViewRootImpl.java:5828)
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android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:5341)
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android.view.ViewRootImpl$AsyncInputStage.apply(ViewRootImpl.java:5555)
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android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:5314)
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android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:5367)
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android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:5531)
                                                                at
android.view.ViewRootImpl$ImeInputStage.onFinishedInputEvent(ViewRootImpl.java:5689)
                                                                at
android.view.inputmethod.InputMethodManager$PendingEvent.run(InputMethodManager.java:3179)
                                                                at
android.view.inputmethod.InputMethodManager.invokeFinishedInputEventCallback(InputMethodManager.java:2721)
                                                                at
android.view.inputmethod.InputMethodManager.finishedInputEvent(InputMethodManager.java:2712)
                                                                at
android.view.inputmethod.InputMethodManager$ImeInputEventSender.onInputEventFinished(InputMethodManager.java:3156
)
2023-03-02 09:54:20.347 5401-5401 AndroidRuntime   com.mypackage.tv   E   at

android.view.InputEventSender.dispatchInputEventFinished(InputEventSender.java:143)
at android.os.MessageQueue.nativePollOnce(Native Method)
at android.os.MessageQueue.next(MessageQueue.java:335)
at android.os.Looper.loop(Looper.java:183)
at android.app.ActivityThread.main(ActivityThread.java:7656)
at java.lang.reflect.Method.invoke(Native Method)
at
com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:592)
at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:947)

2023-03-02 09:54:20.398 5401-5401 Process   com.mypackage.tv   I Sending signal. PID: 5401 SIG: 9

Message last modified on Mar 3, 2023 08:42AM

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ca...@gmail.com <ca...@gmail.com> #3   Mar 2, 2023 03:12PM ⋮

Maybe related with https://issuetracker.google.com/issues/267506001 ?

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jo...@google.com <jo...@google.com>   Mar 2, 2023 07:13PM

Reassigned to ra...@google.com.

---

ae...@google.com <ae...@google.com> #4   Mar 3, 2023 08:37AM ⋮

Exoplayer is a commonly used component so this crash might be fairly common. Ralston, we still have a few more weeks
before 1.4.0 is finalized so you don't need to drop everything to work on this, but if we find a simple and safe fix, I'd support
cherry-picking it to 1.4.0.

---

on...@aol.com <on...@aol.com> #5   Apr 4, 2023 04:44PM ⋮

This seems to be a general Compose 1.4 issue (not something `AndroidView`/ExoPlayer specific), see
https://issuetracker.google.com/issues/274897776.

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ra...@google.com <ra...@google.com>   Apr 14, 2023 02:22AM

Accepted by ra...@google.com.

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ap...@google.com <ap...@google.com> #6   Apr 20, 2023 06:42AM ⋮

Project: platform/frameworks/support
Branch: androidx-main

commit 4e698f033af3e4add494a48213ce2b5e3236453c
Author: Ralston Da Silva <ralu@google.com>
Date: Tue Apr 18 13:29:24 2023

    Fix crash in TvLazyList

    This fixes and re-enables the failing lazy list test.

    Bug: 268211857
    Bug: 270277273
    Bug: 271324781
    Bug: 274897776
    Test: Re-enabled the ignored test
    Change-Id: I2436c2a6b585e0063ad87d4852404f7fcc0cb8f0

M   compose/ui/ui/src/commonMain/kotlin/androidx/compose/ui/focus/TwoDimensionalFocusSearch.kt
M   tv/tv-foundation/src/androidTest/java/androidx/tv/foundation/lazy/list/LazyListTest.kt

https://android-review.googlesource.com/2545570

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ra...@google.com <ra...@google.com>   Apr 20, 2023 07:27AM

Marked as fixed.

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na...@google.com <na...@google.com> #7   May 4, 2023 04:24AM ⋮

The following release(s) address this bug.It is possible this bug has only been partially addressed:

- `androidx.compose.ui:ui:1.4.3`

---

na...@google.com <na...@google.com> #8   May 11, 2023 05:09AM ⋮

The following release(s) address this bug.It is possible this bug has only been partially addressed:

- `androidx.compose.ui:ui:1.5.0-alpha04`

pr...@google.com <pr...@google.com> #9   Jun 8, 2023 11:31AM ⋮

The following release(s) address this bug.It is possible this bug has only been partially addressed:

- `androidx.tv:tv-foundation:1.0.0-alpha07`

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pr...@google.com <pr...@google.com> #9   Jun 8, 2023 11:31AM ⋮

The following release(s) address this bug.It is possible this bug has only been partially addressed:

- `androidx.tv:tv-foundation:1.0.0-alpha07`