📁 Android Public Tracker > App Development > Jetpack (androidx) > Jetpack Compose > UI Libraries > Foundation   231326535 ▾

← ↻ ☆ Button crashes on recomposition if the border is changed from a BorderStroke to null   +1 ¹   Hotlists (2)   Mark as Duplicate   🔔 ⋮

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Can't Repro   Bug   P4   + Add Hotlist

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

📄 **DESCRIPTION** st...@gmail.com created issue #1   May 4, 2022 07:14AM   ⋮

Jetpack Compose version: 1.1.1 Jetpack Compose component used: androidx.compose.material.Button Android Studio Build: 2021.1.1.Patch3 Kotlin version: 1.6.10

Summary:

Changing a Compose Button's `border` from a `BorderStroke` to `null` causes a crash. The stacktrace is not directly related. My guess is the drawing cache code is stomping on a compose node or something.

IMPORTANT NOTE:

This behavior ONLY HAPPENS when the button gains focus in the below example code.

Use the DPAD or cursor keys on an emulator to switch left/right between the two buttons and trigger the crash.

Steps to Reproduce or Code Sample to Reproduce:

```
class TestActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            Row {
                CustomButton("HELLO")
                CustomButton("WORLD")
            }
        }
    }
}


@Composable
fun CustomButton(
    textStr: String,
    interactionSource: MutableInteractionSource = remember { MutableInteractionSource() }
) {
    val isFocused by interactionSource.collectIsFocusedAsState()
    Button(
        // on recomposition (when getting focus using DPAD), this will cause a crash
        border = if (isFocused) BorderStroke(2.dp, Color.Red) else null,
        // to fix, use the line below
//        border = if (isFocused) BorderStroke(2.dp, Color.Red) else BorderStroke(2.dp, Color.BLUE),
        interactionSource = interactionSource,
        onClick = { }
    ) {
        Text(textStr)
    }
}
```

Stack trace (if applicable):

```
E/InputEventSender: Exception dispatching finished signal.
E/MessageQueue-JNI: Exception in MessageQueue callback: handleReceiveCallback
E/MessageQueue-JNI: java.lang.IllegalStateException: KeyEvent can't be processed because this key input node is not active.
        at androidx.compose.ui.input.key.KeyInputModifier.processKeyInput-ZmokQxo(KeyInputModifier.kt:75)
        at androidx.compose.ui.platform.AndroidComposeView.sendKeyEvent-ZmokQxo(AndroidComposeView.android.kt:531)
        at androidx.compose.ui.platform.AndroidComposeView.dispatchKeyEvent(AndroidComposeView.android.kt:538)
        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)
```

✓ Links (1)   Hide all

🔗 Links (1)

"...you please confirm if the issue happens on a real device as well? You can use 🔗Device Mirroring, and control the focus using your computer's cursor k... "   mg...@ #2

Reporter   ◯
Type   Bu
Priority   P4
Severity   S2
Status   W
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Expanded Access
Assignee   ◯
Verifier   --
Collaborators 👥
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Show 1 addition

ch...@google.com <ch...@google.com>   May 5, 2022 09:02AM

Assigned to co...@google.com.

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mg...@google.com <mg...@google.com> #2   Apr 19, 2023 06:47AM ⋮

Reassigned to mg...@google.com.

We couldn't reproduce the issue with the code snippet and steps provided. I have attached a video for your reference.

Could you please help us understand the issue a bit better by answering the following questions:

- Does the problem occur every time when following the steps you provided, or is it intermittent?
- What was the API level of your emulator when the issue occurred?
- Can you please confirm if the issue happens on a real device as well? You can use 🔗Device Mirroring and control the focus using your computer's cursor keys.

Thank you.

Message last modified on Apr 19, 2023 06:48AM

📎 **phone-bug-not-reproducing.mp4**
168 KB   *Download*

mg...@google.com <mg...@google.com> #3   Apr 19, 2023 07:46PM ⋮

According to jossiwolf@google.com, the recent changes related to `Modifier.Node` migrations may have resolved the issue. Since it is a focus problem, it would be helpful to get ralu@google.com input too.

---

ra...@google.com <ra...@google.com> #4   Apr 20, 2023 03:34AM ⋮

I tried this out this code snippet and couldn't reproduce the issue with the latest tip of tree checkout.

From the stack trace it looks like the key event couldn't be routed to the focused item. This could happen if the button was detached, but we don't have a lazylist in this example. This might be an issue that was fixed during the Modifier.Node migration.

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st...@gmail.com <st...@gmail.com> #5   Apr 28, 2023 04:35AM ⋮

Make sure you are using DPAD. Yes, I could reproduce on a real device at the time.

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uo...@google.com <uo...@google.com>   May 15, 2023 11:29PM

Status: New

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ma...@google.com <ma...@google.com> #6   May 16, 2023 09:19PM ⋮

Status: Won't Fix (Not Reproducible)

Tested on the tip of tree for compose as well as in 1.5-alpha04 build with dpad and keyboard with emulator and real device, the issue seems to be gone. Closing as NR, please open another issues if you see the problem again on the latest builds.

Message last modified on May 16, 2023 09:20PM