



Crash when requesting focus from within Modifier.onFocusChanged

+1 1 Hotlists (1) Mark as Duplicate

Comments (1) Dependencies Duplicates (0) Blocking (0) Resources (0)

Assigned Bug P4 + Add Hotlist

STATUS UPDATE No update yet. Edit

DESCRIPTION al...@jetbrains.com created issue #1 Jul 25, 20

Jetpack Compose version: 1.4.3, 1.6.0-alpha01

Steps to Reproduce or Code Sample to Reproduce:

Run the following code:

```
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.focusable
import androidx.compose.foundation.layout.Box
import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.size
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.TextField
import androidx.compose.runtime.Composable
import androidx.compose.runtime.getValue
import androidx.compose.runtime.mutableStateOf
import androidx.compose.runtime.remember
import androidx.compose.runtime.setValue
import androidx.compose.ui.Modifier
import androidx.compose.ui.focus.FocusRequester
import androidx.compose.ui.focus.focusRequester
import androidx.compose.ui.focus.onFocusChanged
import androidx.compose.ui.unit.dp

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            MaterialTheme {
                ExperimentPage()
            }
        }
    }
}

@Composable
private fun ExperimentPage() {
    Column(Modifier.fillMaxSize()) {
        val boxFocusRequester = remember { FocusRequester() }
        Box(
            modifier = Modifier
                .size(100.dp, 100.dp)
                .focusRequester(boxFocusRequester)
                .focusable(true)
        )

        var hasFocus by remember { mutableStateOf(false) }
        TextField(
            value = "",
            onValueChange = { },
            singleLine = true,
            modifier = Modifier
                .onFocusChanged {
                    if (hasFocus && !it.hasFocus) {
                        boxFocusRequester.requestFocus()
                    }
                    hasFocus = it.hasFocus
                }
        )
    }
}
```

- ```
}  
}
```
1. Click the text field to give it focus.
  2. Press TAB. The app will crash.

Stack trace (if applicable):

```
2023-07-24 22:58:18.320 11604-11604 InputEventSender      com.example.acp          E  Exception dispatching finished signal for seq=4  
2023-07-24 22:58:18.320 11604-11604 MessageQueue-JNI    com.example.acp          E  Exception in MessageQueue callback: handleReceiveCallback  
2023-07-24 22:58:18.321 11604-11604 MessageQueue-JNI    com.example.acp          E  java.lang.IllegalArgumentException: ActiveParent with no  
at androidx.compose.ui.focus.FocusTransactionsKt.requireActiveChild(FocusTransactions.kt:246)  
at androidx.compose.ui.focus.FocusTransactionsKt.performCustomRequestFocus-Mxy_nc0(FocusTransactions.kt:257)  
at androidx.compose.ui.focus.FocusTransactionsKt.performCustomRequestFocus-Mxy_nc0(FocusTransactions.kt:262)  
at androidx.compose.ui.focus.FocusTransactionsKt.requestFocus(FocusTransactions.kt:43)  
at androidx.compose.ui.focus.FocusRequester.requestFocus(FocusRequester.kt:74)  
at androidx.compose.ui.focus.FocusRequester.requestFocus(FocusRequester.kt:65)  
at com.example.acp.MainActivityKt$ExperimentPage$1$1.invoke(MainActivity.kt:63)  
at com.example.acp.MainActivityKt$ExperimentPage$1$1.invoke(MainActivity.kt:61)  
at androidx.compose.ui.focus.FocusChangedNode.onFocusEvent(FocusChangedModifier.kt:59)  
at androidx.compose.ui.focus.FocusEventManagerKt.refreshFocusEventNodes(FocusEventManager.kt:68)  
at androidx.compose.ui.focus.FocusTransactionsKt.clearFocus(FocusTransactions.kt:122)  
at androidx.compose.ui.focus.FocusTransactionsKt.clearChildFocus(FocusTransactions.kt:174)  
at androidx.compose.ui.focus.FocusTransactionsKt.clearFocus(FocusTransactions.kt:129)  
at androidx.compose.ui.focus.FocusOwnerImpl.clearFocus(FocusOwnerImpl.kt:134)  
at androidx.compose.ui.focus.FocusOwnerImpl.clearFocus(FocusOwnerImpl.kt:117)  
at androidx.compose.ui.focus.FocusOwnerImpl.wrapAroundFocus-3ESFk08(FocusOwnerImpl.kt:279)  
at androidx.compose.ui.focus.FocusOwnerImpl.moveFocus-3ESFk08(FocusOwnerImpl.kt:176)  
at androidx.compose.ui.platform.AndroidComposeView$KeyInputModifier$1.invoke-ZmokQxo(AndroidComposeView.android.kt:212)  
at androidx.compose.ui.platform.AndroidComposeView$KeyInputModifier$1.invoke(AndroidComposeView.android.kt:207)  
at androidx.compose.ui.input.key.KeyInputNode.onKeyEvent-ZmokQxo(KeyInputModifier.kt:80)  
at androidx.compose.ui.focus.FocusOwnerImpl.dispatchKeyEvent-ZmokQxo(FocusOwnerImpl.kt:193)  
at androidx.compose.ui.platform.AndroidComposeView.dispatchKeyEvent(AndroidComposeView.android.kt:657)  
at android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1965)  
at android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1965)  
at android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1965)  
at android.view.ViewGroup.dispatchKeyEvent(ViewGroup.java:1965)  
at com.android.internal.policy.DecorView.superDispatchKeyEvent(DecorView.java:488)  
at com.android.internal.policy.PhoneWindow.superDispatchKeyEvent(PhoneWindow.java:1895)  
at android.app.Activity.dispatchKeyEvent(Activity.java:4223)  
at androidx.core.app.ComponentActivity.superDispatchKeyEvent(ComponentActivity.java:122)  
at androidx.core.view.KeyEventDispatcher.dispatchKeyEvent(KeyEventDispatcher.java:85)  
at androidx.core.app.ComponentActivity.dispatchKeyEvent(ComponentActivity.java:140)  
at com.android.internal.policy.DecorView.dispatchKeyEvent(DecorView.java:402)  
at android.view.ViewRootImpl$ViewPostImeInputStage.processKeyEvent(ViewRootImpl.java:6584)  
at android.view.ViewRootImpl$ViewPostImeInputStage.onProcess(ViewRootImpl.java:6450)  
at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:5910)  
at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:5967)  
at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:5933)  
at android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:6098)  
at android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:5941)  
at android.view.ViewRootImpl$AsyncInputStage.apply(ViewRootImpl.java:6155)  
at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:5914)  
at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:5967)  
at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:5933)  
at android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:5941)  
at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:5914)  
2023-07-24 22:58:18.321 11604-11604 MessageQueue-JNI    com.example.acp          E  Exception dispatching finished signal for seq=4  
at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:5967)  
at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:5933)  
at android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:6131)  
at android.view.ViewRootImpl$ImeInputStage.onFinishedInputEvent(ViewRootImpl.java:6311)  
at android.view.inputmethod.InputMethodManager$PendingEvent.run(InputMethodManager.java:3649)  
at android.view.inputmethod.InputMethodManager.invokeFinishedInputEventCallback(InputMethodManager.java:3169)  
at android.view.inputmethod.InputMethodManager.finishedInputEvent(InputMethodManager.java:3160)  
at android.view.inputmethod.InputMethodManager$ImeInputEventSender.onInputEventFinished(InputMethodManager.java:3626)  
at android.view.InputEventSender.dispatchInputEventFinished(InputEventSender.java:154)  
at android.os.MessageQueue.nativePollOnce(Native Method)  
at android.os.MessageQueue.next(MessageQueue.java:335)  
at android.os.Looper.loopOnce(Looper.java:161)  
at android.os.Looper.loop(Looper.java:288)  
at android.app.ActivityThread.main(ActivityThread.java:7872)  
at java.lang.reflect.Method.invoke(Native Method)  
at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:548)  
at com.android.internal.os.ZygoteInit.main(ZygoteInit.java)
```

## COMMENTS

All comments

Assigned to ra...@google.com.