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Using a Canvas with pointerInteropFilter causes the app to crash

+1³

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Comments (3)DependenciesDuplicates (0)Blocking (0)Resources (0)

AssignedBugP4+ Add Hotlist

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STATUS UPDATENo update yet.

Edit

📄

DESCRIPTIONth...@neugelb.com created issue **#1**

Description has been deleted.

COMMENTS

👤

th...@neugelb.com <th...@neugelb.com> **#2**

Jetpack Compose version:

1.5.0

Jetpack Compose component(s) used:

Canvas

Android Studio Build:

Android Studio Giraffe | 2022.3.1 RC 1 Build #AI-223.8836.35.2231.10320515, built on June 14, 2023

Kotlin version:

1.8.21

Steps to Reproduce or Code Sample to Reproduce:

Using a Canvas with pointerInteropFilter causes the app to crash.

```
val touchThreshold = with(LocalDensity.current) { EndCircleRadius.toPx() }
var touchX by remember { mutableFloatStateOf(-touchThreshold) }

Canvas(
    modifier = modifier
        .height(chartHeight)
        .fillMaxWidth()
        .pointerInteropFilter(
            onTouchEvent = {
                touchX = if (it.action == MotionEvent.ACTION_DOWN || it.action == MotionEvent.ACTION_MOVE) {
                    it.x
                } else {
                    -touchThreshold
                }
                return@pointerInteropFilter true
            }
        )
) { ... }
```

Stack trace (if applicable):

java.lang.NoSuchMethodError: No static method getOuterSemantics(Landroidx/compose/ui/node/LayoutNode;)Landroidx/compose/ui/node/SemanticsModifierNode; in class Landroidx/compose/ui/semantics/SemanticsNodeKt; or its super classes (declaration of 'androidx.compose.ui.semantics.SemanticsNodeKt' appears in /data/app/~~350HTrlm7cjXGt9rdsyxGw==/com.XXXXXXXXXX.release at androidx.compose.ui.node.BackwardsCompatNode.onPo at androidx.compose.ui.input.pointer.Node.dispatchMa at androidx.compose.ui.input.pointer.Node.dispatchMa at androidx.compose.ui.input.pointer.Node.dispatchMa at androidx.compose.ui.input.pointer.Node.dispatchMa at androidx.compose.ui.input.pointer.NodeParent.disp at androidx.compose.ui.input.pointer.HitPathTracker. at androidx.compose.ui.input.pointer.PointerInputEve at androidx.compose.ui.platform.AndroidComposeView.s at androidx.compose.ui.platform.AndroidComposeView.h at androidx.compose.ui.platform.AndroidComposeView.d at android.view.ViewGroup.dispatchTransformedTouchEve at android.view.ViewGroup.dispatchTouchEvent (ViewGrou at android.view.ViewGroup.dispatchTransformedTouchEve at android.view.ViewGroup.dispatchTouchEvent (ViewGrou at android.view.ViewGroup.dispatchTransformedTouchEve at android.view.ViewGroup.dispatchTouchEvent (ViewGrou at android.view.ViewGroup.dispatchTransformedTouchEve at android.view.ViewGroup.dispatchTouchEvent (ViewGrou at android.view.ViewGroup.dispatchTransformedTouchEve

```

at android.view.ViewGroup.dispatchTouchEvent (ViewGroup.java:145)
at android.view.ViewGroup.dispatchTransformedTouchEvent (ViewGroup.java:155)
at android.view.ViewGroup.dispatchTouchEvent (ViewGroup.java:200)
at android.view.ViewGroup.dispatchTransformedTouchEvent (ViewGroup.java:210)
at android.view.ViewGroup.dispatchTouchEvent (ViewGroup.java:255)
at com.android.internal.policy.DecorView.superDispatchTouchEvent (DecorView.java:229)
at com.android.internal.policy.PhoneWindow.superDispatchTouchEvent (PhoneWindow.java:186)
at android.app.Activity.dispatchTouchEvent (Activity.java:2455)
at android.support.design.widget.CoordinatorLayout.onTouchEvent (CoordinatorLayout.java:100)
at android.view.ViewGroup.dispatchTouchEvent (ViewGroup.java:255)
at com.android.internal.policy.DecorView.superDispatchTouchEvent (DecorView.java:229)
at com.android.internal.policy.PhoneWindow.superDispatchTouchEvent (PhoneWindow.java:186)
at android.app.Activity.dispatchTouchEvent (Activity.java:2455)
at android.support.design.widget.CoordinatorLayout.onTouchEvent (CoordinatorLayout.java:100)
at android.view.ViewGroup.dispatchTouchEvent (ViewGroup.java:255)
at android.view.ViewGroup.dispatchTransformedTouchEvent (ViewGroup.java:210)
at android.view.ViewGroup.dispatchTouchEvent (ViewGroup.java:200)
at android.view.ViewGroup.dispatchTransformedTouchEvent (ViewGroup.java:155)
at android.view.ViewGroup.dispatchTouchEvent (ViewGroup.java:145)
at android.view.ViewRootImpl$ViewPostImeInputStage.onDeliverToChild (ViewRootImpl$ViewPostImeInputStage.java:142)
at android.view.ViewRootImpl$ViewPostImeInputStage.forward (ViewRootImpl$ViewPostImeInputStage.java:117)
at android.view.ViewRootImpl$InputStage.forward (ViewRootImpl$InputStage.java:133)
at android.view.ViewRootImpl$InputStage.onDeliverToChild (ViewRootImpl$InputStage.java:142)
at android.view.ViewRootImpl$InputStage.forward (ViewRootImpl$InputStage.java:133)
at android.view.ViewRootImpl$InputStage.apply (ViewRootImpl$InputStage.java:122)
at android.view.ViewRootImpl$InputStage.onDeliverToChild (ViewRootImpl$InputStage.java:142)
at android.view.ViewRootImpl$InputStage.forward (ViewRootImpl$InputStage.java:133)
at android.view.ViewRootImpl$InputStage.apply (ViewRootImpl$InputStage.java:122)
at android.view.ViewRootImpl$InputStage.onDeliverToChild (ViewRootImpl$InputStage.java:142)
at android.view.ViewRootImpl$InputStage.forward (ViewRootImpl$InputStage.java:133)
at android.view.ViewRootImpl$InputStage.apply (ViewRootImpl$InputStage.java:122)
at android.view.ViewRootImpl$InputStage.onDeliverToChild (ViewRootImpl$InputStage.java:142)
at android.view.ViewRootImpl.deliverInputEvent (ViewRootImpl.java:920)
at android.view.ViewRootImpl.doProcessInputEvents (ViewRootImpl.java:899)
at android.view.ViewRootImpl.enqueueInputEvent (ViewRootImpl.java:886)
at android.view.ViewRootImpl$WindowInputEventReceiver.doRun (ViewRootImpl$WindowInputEventReceiver.java:116)
at android.view.InputEventReceiver.dispatchInputEvent (InputEventReceiver.java:113)
at android.os.MessageQueue.nativePollOnce (Native Method)
at android.os.MessageQueue.next (MessageQueue.java:331)
at android.os.Looper.loopOnce (Looper.java:161)
at android.os.Looper.loop (Looper.java:288)
at android.app.ActivityThread.main (ActivityThread.java:658)
at java.lang.reflect.Method.invoke (Native Method)
at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run (RuntimeInit$MethodAndArgsCaller.java:73)
at com.android.internal.os.ZygoteInit.main (ZygoteInit.java:950)

```

2023-08-21 12:39:54.792 14939-14939 MessageQueue-JNI

```
com...release.debug  E
```

```

at android.view.ViewRootImpl.deliverInputEvent(ViewRootImpl.java:920)
at android.view.ViewRootImpl.doProcessInputEvents(ViewRootImpl.java:877)
at android.view.ViewRootImpl.enqueueInputEvent(ViewRootImpl.java:860)
at android.view.ViewRootImpl$WindowInputEventReceiver.onInputEventReceived(
ViewRootImpl.java:840)
at android.view.InputEventReceiver.dispatchInputEvent(InputEventReceiver.java:239)
at android.os.MessageQueue.nativePollOnce(Native Method)
at android.os.MessageQueue.next(MessageQueue.java:336)
at android.os.Looper.loopOnce(Looper.java:161)
at android.os.Looper.loop(Looper.java:288)
at android.app.ActivityThread.main(ActivityThread.java:6596)
at java.lang.reflect.Method.invoke(Native Method)
at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:52)
at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:987)

```



ne...@ford.com <ne...@ford.com> #3

I am facing the same crash when upgrading to compose 2023. 09. 00 except we are using a feedback tool (Shakebugs) that utilizes the the `dispatchTouchEvent`.

```
java.lang.NoSuchMethodError: No static method getOuterSemantics(Landroidx/compose/ui/node/LayoutNode;)Landroidx/compose/ui/node/SemanticsModifierNode; in
    at androidx.compose.ui.node.BackwardsCompatNode.onPo
...

```

This crash is blocking us from updating compose at this point.

Message last modified on Sep 18, 2023 03:29PM



lp...@google.com <lp...@google.com>

Assigned to je...@google.com.