



Frequent "java.lang.IndexOutOfBoundsException: setSpan (-1 ... -1) starts before 0" crashes in Pre-Launch reports

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Assigned Bug P3 [AOSP] assigned

STATUS UPDATE No update yet. Edit

DESCRIPTION pe...@gmail.com created issue #1

I'm encountering frequent exceptions in my application pre-launch reports that do not seem to be caused by my own application code. The crashes appear mostly on Pixel and Pixel2 devices. Crashes appear at random moments during app testing (note that this only happens in the tests run for pre-launch reports; I haven't been able to reproduce this in emulator or my own physical te

The stacktrace is the following:

Pixel device:

```
java.lang.IndexOutOfBoundsException: setSpan (-1 ... -1) starts before 0
    at android.text.SpannableStringInternal.checkRange(SpannableStringInternal.java:442)
    at android.text.SpannableStringInternal.setSpan(SpannableStringInternal.java:163)
    at android.text.SpannableStringInternal.setSpan(SpannableStringInternal.java:152)
    at android.text.SpannableString.setSpan(SpannableString.java:46)
    at android.text.Selection.setSelection(Selection.java:76)
    at android.widget.Editor$SelectionModifierCursorController.resetDragAcceleratorState(Editor.java:5577)
    at android.widget.Editor$SelectionModifierCursorController.onTouchEvent(Editor.java:5428)
    at android.widget.Editor.onTouchEvent(Editor.java:1362)
    at android.widget.TextView.onTouchEvent(TextView.java:9652)
    at android.view.View.dispatchTouchEvent(View.java:11721)
    at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:2961)
    at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2650)
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    at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:2961)
    at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2650)
    at com.android.internal.policy.DecorView.superDispatchTouchEvent(DecorView.java:445)
    at com.android.internal.policy.PhoneWindow.superDispatchTouchEvent(PhoneWindow.java:1828)
    at android.app.Activity.dispatchTouchEvent(Activity.java:3292)
    at androidx.appcompat.view.i.dispatchTouchEvent(WindowCallbackWrapper.java:69)
    at com.android.internal.policy.DecorView.dispatchTouchEvent(DecorView.java:407)
    at android.view.View.dispatchPointerEvent(View.java:11960)
    at android.view.ViewRootImpl$ViewPostImeInputStage.processPointerEvent(ViewRootImpl.java:4776)
    at android.view.ViewRootImpl$ViewPostImeInputStage.onProcess(ViewRootImpl.java:4590)
    at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)
    at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:4181)
    at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:4147)
    at android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:4274)
    at android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:4155)
    at android.view.ViewRootImpl$AsyncInputStage.apply(ViewRootImpl.java:4331)
    at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)
    at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:4181)
    at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:4147)
    at android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:4155)
    at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)
    at android.view.ViewRootImpl.deliverInputEvent(ViewRootImpl.java:6642)
    at android.view.ViewRootImpl.doProcessInputEvents(ViewRootImpl.java:6616)
    at android.view.ViewRootImpl.enqueueInputEvent(ViewRootImpl.java:6577)
    at android.view.ViewRootImpl$WindowInputEventReceiver.onInputEvent(ViewRootImpl.java:6745)
    at android.view.InputEventReceiver.dispatchInputEvent(InputEventReceiver.java:185)
    at android.os.MessageQueue.nativePollOnce(Native Method)
    at android.os.MessageQueue.next(MessageQueue.java:325)
    at android.os.Looper.loop(Looper.java:142)
    at android.app.ActivityThread.main(ActivityThread.java:6541)
    at java.lang.reflect.Method.invoke(Native Method)
    at com.android.internal.os.Zygote$MethodAndArgsCaller.run(Zygote.java:240)
    at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:767)
```

And (Pixel2):

```
java.lang.IndexOutOfBoundsException: setSpan (-1 ... -1) starts before 0
    at android.text.SpannableStringInternal.checkRange(SpannableStringInternal.java:442)
    at android.text.SpannableStringInternal.setSpan(SpannableStringInternal.java:163)
    at android.text.SpannableStringInternal.setSpan(SpannableStringInternal.java:152)
```

at android.text.SpannableString.setSpan(SpannableString.java:46)  
at android.text.Selection.setSelection(Selection.java:76)  
at android.widget.Editor\$SelectionModifierCursorController.resetDragAcceleratorState(Editor.java:5613)  
at android.widget.Editor\$SelectionModifierCursorController.onTouchEvent(Editor.java:5450)  
at android.widget.Editor.onTouchEvent(Editor.java:1370)  
at android.widget.TextView.onTouchEvent(TextView.java:9657)  
at android.view.View.dispatchTouchEvent(View.java:11776)  
at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:2968)  
at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2657)  
at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:2968)  
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at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:2968)  
at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2657)  
at com.android.internal.policy.DecorView.superDispatchTouchEvent(DecorView.java:448)  
at com.android.internal.policy.PhoneWindow.superDispatchTouchEvent(PhoneWindow.java:1829)  
at android.app.Activity.dispatchTouchEvent(Activity.java:3307)  
at androidx.appcompat.view.i.dispatchTouchEvent(WindowCallbackWrapper.java:69)  
at com.android.internal.policy.DecorView.dispatchTouchEvent(DecorView.java:410)  
at android.view.View.dispatchPointerEvent(View.java:12015)  
at android.view.ViewRootImpl\$ViewPostImeInputStage.processPointerEvent(ViewRootImpl.java:4795)  
at android.view.ViewRootImpl\$ViewPostImeInputStage.onProcess(ViewRootImpl.java:4609)  
at android.view.ViewRootImpl\$InputStage.deliver(ViewRootImpl.java:4147)  
at android.view.ViewRootImpl\$InputStage.onDeliverToNext(ViewRootImpl.java:4200)  
at android.view.ViewRootImpl\$InputStage.forward(ViewRootImpl.java:4166)  
at android.view.ViewRootImpl\$AsyncInputStage.forward(ViewRootImpl.java:4293)  
at android.view.ViewRootImpl\$InputStage.apply(ViewRootImpl.java:4174)  
at android.view.ViewRootImpl\$AsyncInputStage.apply(ViewRootImpl.java:4350)  
at android.view.ViewRootImpl\$InputStage.deliver(ViewRootImpl.java:4147)  
at android.view.ViewRootImpl\$InputStage.onDeliverToNext(ViewRootImpl.java:4200)  
at android.view.ViewRootImpl\$InputStage.forward(ViewRootImpl.java:4166)  
at android.view.ViewRootImpl\$InputStage.apply(ViewRootImpl.java:4174)  
at android.view.ViewRootImpl\$InputStage.deliver(ViewRootImpl.java:4147)  
at android.view.ViewRootImpl.deliverInputEvent(ViewRootImpl.java:6661)  
at android.view.ViewRootImpl.doProcessInputEvents(ViewRootImpl.java:6635)  
at android.view.ViewRootImpl.enqueueInputEvent(ViewRootImpl.java:6596)  
at android.view.ViewRootImpl\$WindowInputEventReceiver.onInputEvent(ViewRootImpl.java:6764)  
at android.view.InputEventReceiver.dispatchInputEvent(InputEventReceiver.java:186)  
at android.os.MessageQueue.nativePollOnce(Native Method)  
at android.os.MessageQueue.next(MessageQueue.java:325)  
at android.os.Looper.loop(Looper.java:142)  
at android.app.ActivityThread.main(ActivityThread.java:6494)  
at java.lang.reflect.Method.invoke(Native Method)  
at com.android.internal.os.RuntimeInit\$MethodAndArgsCaller.run(RuntimeInit.java:438)  
at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:807)

✓ Links (4)

🔗 Links (4)

"<https://stackoverflow.com/questions/54779200/android-app-crash-in-play-store-prelaunch-report...>"


"<https://www.b4x.com/android/forum/threads/google-console-cra...>"


"Also have this issue when selecting text in EditText inside a RecyclerView's item and then scrolling away from it, like described here: <https://stackoverflow.com/a/60153103>"

"...ue with a different component (i.e., autoCompleteTextViews) where just clicking on the component can trigger this setSpan issue. Rather than post a redundant issue, it seems appropriate for the c

COMMENTS

 **ad...@google.com** <ad...@google.com>  
*Assigned to ad...@google.com.*

 **ad...@google.com** <ad...@google.com> [#2](#)  
  
We have passed this to the development team and will update this issue with more information as it becomes available.

 **fr...@gmail.com** <fr...@gmail.com> [#3](#)  
  
Might be related, we have similar bug with IndexOutOfBoundsException with different spans. This happens on different tests devices in the Pre-launch report:

FATAL EXCEPTION: main  
Process: de.is24.android, PID: 15181  
java.lang.IndexOutOfBoundsException: setSpan (4 ... 4) ends beyond length 0  
at android.text.SpannableStringBuilder.checkRange(SpannableStringBuilder.java:1096)  
at android.text.SpannableStringBuilder.setSpan(SpannableStringBuilder.java:671)  
at android.text.SpannableStringBuilder.setSpan(SpannableStringBuilder.java:664)



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