

AccessibilityEvent

```
public final class AccessibilityEvent
extends AccessibilityRecord (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html) implements Parcelable
(https://developer.android.google.cn/reference/android/os/Parcelable.html)

java.lang.Object (https://developer.android.google.cn/reference/java/lang/Object.html)
└─ android.view.accessibility.AccessibilityRecord (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html)
    └─ android.view.accessibility.AccessibilityEvent
```

added in API level 4
(https://developer.android.google.cn/guide/topics/manif...
fest/uses-adk-element.html#ApiLevels)
Summary: Constants (#constants) | Inherited Constants
(#inhconstants) | Fields (#fields) | Methods
(#pubmethods) | Inherited Methods (#inhmethods) |
[Expand All] (#)

This class represents accessibility events that are sent by the system when something notable happens in the user interface. For example, when a [Button](#) (https://developer.android.google.cn/reference/android/widget/Button.html) is clicked, a [View](#) (https://developer.android.google.cn/reference/android/view/View.html) is focused, etc.

An accessibility event is fired by an individual view which populates the event with data for its state and requests from its parent to send the event to interested parties. The parent can optionally add an [AccessibilityRecord](#) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html) for itself before dispatching a similar request to its parent. A parent can also choose not to respect the request for sending an event. The accessibility event is sent by the topmost view in the view tree. Therefore, an [AccessibilityService](#) (https://developer.android.google.cn/reference/android/accessibilityservice/AccessibilityService.html) can explore all records in an accessibility event to obtain more information about the context in which the event was fired.

The main purpose of an accessibility event is to expose enough information for an [AccessibilityService](#) (https://developer.android.google.cn/reference/android/accessibilityservice/AccessibilityService.html) to provide meaningful feedback to the user. Sometimes however, an accessibility service may need more contextual information than the one in the event pay-load. In such cases the service can obtain the event source which is an [AccessibilityNodeInfo](#) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html) (snapshot of a View state) which can be used for exploring the window content. Note that the privilege for accessing an event's source, thus the window content, has to be explicitly requested. For more details refer to [AccessibilityService](#) (https://developer.android.google.cn/reference/android/accessibilityservice/AccessibilityService.html). If an accessibility service has not requested to retrieve the window content the event will not contain reference to its source. Also for events of type [TYPE_NOTIFICATION_STATE_CHANGED](#) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_NOTIFICATION_STATE_CHANGED) the source is never available.

This class represents various semantically different accessibility event types. Each event type has an associated set of related properties. In other words, each event type is characterized via a subset of the properties exposed by this class. For each event type there is a corresponding constant defined in this class. Follows a specification of the event types and their associated properties:

Developer Guides

For more information about creating and processing AccessibilityEvents, read the Accessibility (https://developer.android.google.cn/guide/topics/ui/accessibility/index.html) developer guide.

VIEW TYPES

View clicked - represents the event of clicking on a [View](#) (https://developer.android.google.cn/reference/android/view/View.html) like [Button](#) (https://developer.android.google.cn/reference/android/widget/Button.html), [CompoundButton](#) (https://developer.android.google.cn/reference/android/widget/CompoundButton.html), etc.
`Type:TYPE_VIEW_CLICKED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_CLICKED)
Properties:

- `getEventType()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType()) - The type of the event.
- `getSource()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource()) - The source info (for registered clients).
- `getClassName()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName()) - The class name of the source.

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- `getTime()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getTime()) - The event time.
- `getText()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText()) - The text of the source's sub-tree.
- `isEnabled()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled()) - Whether the source is enabled.
- `isPassword()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword()) - Whether the source is password.
- `isChecked()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked()) - Whether the source is checked.
- `getContentDescription()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription()) - The content description of the source.
- `getScrollX()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX()) - The offset of the source left edge in pixels (without descendants of AdapterView).
- `getScrollY()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY()) - The offset of the source top edge in pixels (without descendants of AdapterView).
- `getFromIndex()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex()) - The zero based index of the first visible item of the source, inclusive (for descendants of AdapterView).
- `getToIndex()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex()) - The zero based index of the last visible item of the source, inclusive (for descendants of AdapterView).
- `getItemCount()` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount()) - The total items of the source (for descendants of AdapterView).

View long clicked - represents the event of long clicking on a [View](#) (https://developer.android.google.cn/reference/android/view/View.html) like [Button](#) (https://developer.android.google.cn/reference/android/widget/Button.html), [CompoundButton](#) (https://developer.android.google.cn/reference/android/widget/CompoundButton.html), etc.
`Type:TYPE_VIEW_LONG_CLICKED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_LONG_CLICKED)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source's sub-tree.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `isPassword()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword())) - Whether the source is password.
- `isChecked()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked())) - Whether the source is checked.
- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.
- `getScrollX()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX())) - The offset of the source left edge in pixels (without descendants of AdapterView).
- `getScrollY()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY())) - The offset of the source top edge in pixels (without descendants of AdapterView).
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The zero based index of the first visible item of the source, inclusive (for descendants of AdapterView).

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- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The zero based index of the last visible item of the source, inclusive (for descendants of AdapterView).
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The total items of the source (for descendants of AdapterView).

View selected - represents the event of selecting an item usually in the context of an `AdapterView` (<https://developer.android.google.cn/reference/android/widget/AdapterView.html>).

Type: `TYPE_VIEW_SELECTED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_SELECTED)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source's sub-tree.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `isPassword()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword())) - Whether the source is password.
- `isChecked()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked())) - Whether the source is checked.
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The number of selectable items of the source.
- `getCurrentItemIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getCurrentItemIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getCurrentItemIndex())) - The currently selected item index.
- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.
- `getScrollX()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX())) - The offset of the source left edge in pixels (without descendants of AdapterView).
- `getScrollY()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY())) - The offset of the source top edge in pixels (without descendants of AdapterView).
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The zero based index of the first visible item of the source, inclusive (for descendants of AdapterView).
- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The zero based index of the last visible item of the source, inclusive (for descendants of AdapterView).
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The total items of the source (for descendants of AdapterView).

View focused - represents the event of focusing a `View` (<https://developer.android.google.cn/reference/android/view/View.html>).

Type: `TYPE_VIEW_FOCUSED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_FOCUSED)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.

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- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source's sub-tree.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `isPassword()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword())) - Whether the source is password.
- `isChecked()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked())) - Whether the source is checked.
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The number of focusable items on the screen.
- `getCurrentItemIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getCurrentItemIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getCurrentItemIndex())) - The currently focused item index.
- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.
- `getScrollX()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX())) - The offset of the source left edge in pixels (without descendants of `AdapterView`).
- `getScrollY()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY())) - The offset of the source top edge in pixels (without descendants of `AdapterView`).
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The zero based index of the first visible item of the source, inclusive (for descendants of `AdapterView`).
- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The zero based index of the last visible item of the source, inclusive (for descendants of `AdapterView`).
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The total items of the source (for descendants of `AdapterView`).

View text changed - represents the event of changing the text of an `EditText` (<https://developer.android.google.cn/reference/android/widget/EditText.html>).

Type: `TYPE_VIEW_TEXT_CHANGED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_CHANGED)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `isPassword()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword())) - Whether the source is password.
- `isChecked()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isChecked())) - Whether the source is checked.
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The text change start index.
- `getAddedCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getAddedCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getAddedCount())) - The number of added characters.
- `getRemovedCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getRemovedCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getRemovedCount())) - The number of removed characters.

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- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.

View text selection changed - represents the event of changing the text selection of an `EditText` (<https://developer.android.google.cn/reference/android/widget/EditText.html>).

Type: `TYPE_VIEW_TEXT_SELECTION_CHANGED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_SELECTION_CHANGED)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source.
- `isPassword()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword())) - Whether the source is password.
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The selection start index.
- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The selection end index.
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The length of the source text

`getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - The height of the source text.

- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.

View text traversed at movement granularity - represents the event of traversing the text of a view at a given granularity. For example, moving to the next word.

Type: `TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getMovementGranularity()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getMovementGranularity\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getMovementGranularity())) - Sets the granularity at which a view's text was traversed.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source's sub-tree.
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The start the text that was skipped over in this movement. This is the starting point when moving forward through the text, but not when moving back.
- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The end of the text that was skipped over in this movement. This is the ending point when moving forward through the text, but not when moving back.
- `isPassword()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isPassword())) - Whether the source is password.

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- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.
- `getMovementGranularity()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getMovementGranularity\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getMovementGranularity())) - Sets the granularity at which a view's text was traversed.
- `getAction()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getAction\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getAction())) - Gets traversal action which specifies the direction.

View scrolled - represents the event of scrolling a view. If the source is a descendant of `AdapterView` (<https://developer.android.google.cn/reference/android/widget/AdapterView.html>) the scroll is reported in terms of visible items - the first visible item, the last visible item, and the total items - because the the source is unaware of its pixel size since its adapter is responsible for creating views. In all other cases the scroll is reported as the current scroll on the X and Y axis respectively plus the height of the source in pixels.

Type: `TYPE_VIEW_SCROLLED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_SCROLLED)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source's sub-tree.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.
- `getScrollX()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX())) - The offset of the source left edge in pixels (without descendants of `AdapterView`).
- `getScrollY()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY())) - The offset of the source top edge in pixels (without descendants of `AdapterView`).
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The zero based index of the first visible item of the source, inclusive (for descendants of `AdapterView`).
- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The zero based index of the last visible item of the source, inclusive (for descendants of `AdapterView`).
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The total items of the source (for descendants of `AdapterView`).

Note: This event type is not dispatched to descendants though `View.dispatchPopulateAccessibilityEvent(AccessibilityEvent)`

([https://developer.android.google.cn/reference/android/view/View.html#dispatchPopulateAccessibilityEvent\(android.view.accessibility.AccessibilityEvent\)](https://developer.android.google.cn/reference/android/view/View.html#dispatchPopulateAccessibilityEvent(android.view.accessibility.AccessibilityEvent))), hence the event source `View`

(<https://developer.android.google.cn/reference/android/view/View.html>) and the sub-tree rooted at it will not receive calls to `View.onPopulateAccessibilityEvent(AccessibilityEvent)`

([https://developer.android.google.cn/reference/android/view/View.html#onPopulateAccessibilityEvent\(android.view.accessibility.AccessibilityEvent\)](https://developer.android.google.cn/reference/android/view/View.html#onPopulateAccessibilityEvent(android.view.accessibility.AccessibilityEvent))). The preferred way to add text content to such events is by setting the `contentDescription` (https://developer.android.google.cn/reference/android/R.styleable.html#View_contentDescription) of the source view.

TRANSITION TYPES

Window state changed - represents the event of opening a `PopupWindow` (<https://developer.android.google.cn/reference/android/widget/PopupWindow.html>), `Menu` (<https://developer.android.google.cn/reference/android/view/Menu.html>), `Dialog` (<https://developer.android.google.cn/reference/android/app/Dialog.html>), etc.

<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html>

Type: TYPE_WINDOW_STATE_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_STATE_CHANGED)

Properties:

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•

getSource()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())

- The source info (for registered clients).

•

getClassName()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())

- The class name of the source.

•

getPackageName()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())

- The package name of the source.

•

getEventTime()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())

- The event time.

•

getText()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())

- The text of the source's sub-tree.

•

isEnabled()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())

- Whether the source is enabled.

Window content changed

- represents the event of change in the content of a window. This change can be adding/removing view, changing a view size, etc.

Note: This event is fired only for the window source of the last accessibility event different from TYPE_NOTIFICATION_STATE_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_NOTIFICATION_STATE_CHANGED) and its purpose is to notify clients that the content of the user interaction window has changed. Type: TYPE_WINDOW_CONTENT_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED)

Properties:

•

getEventType()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())

- The type of the event.

•

getContentChangeTypes()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getContentChangeTypes())

- The type of content changes.

•

getSource()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())

- The source info (for registered clients).

•

getClassName()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())

- The class name of the source.

•

getPackageName()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())

- The package name of the source.

•

getEventTime()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())

- The event time.

Note: This event type is not dispatched to descendants though View.dispatchPopulateAccessibilityEvent(AccessibilityEvent) (https://developer.android.google.cn/reference/android/view/View.html#dispatchPopulateAccessibilityEvent(android.view.accessibility.AccessibilityEvent)), hence the event source View (https://developer.android.google.cn/reference/android/view/View.html) and the sub-tree rooted at it will not receive calls to View.onPopulateAccessibilityEvent(AccessibilityEvent) (https://developer.android.google.cn/reference/android/view/View.html#onPopulateAccessibilityEvent(android.view.accessibility.AccessibilityEvent)). The preferred way to add text content to such events is by setting the contentDescription (https://developer.android.google.cn/reference/android/R.styleable.html#View_contentDescription) of the source view.

Windows changed

- represents the event of changes in the windows shown on the screen such as a window appeared, a window disappeared, a window size changed, a window layer changed, etc. Type: TYPE_WINDOWS_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOWS_CHANGED)

Properties:

•

getEventType()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())

- The type of the event.

•

getEventTime()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())

- The event time.

Note: You can retrieve the AccessibilityWindowInfo (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityWindowInfo.html) for the window source of the event via getSource() (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource()) to get the source node on which then call AccessibilityNodeInfo.getWindow() (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#getWindow()) to get the window. Also all windows on the screen can be retrieved by a call to android.accessibilityservice.AccessibilityService.getWindows() (https://developer.android.google.cn/reference/android/accessibilityservice/AccessibilityService.html#getWindows()).

NOTIFICATION TYPES

Notification state changed

- represents the event showing a transient piece of information to the user. This information may be a Notification (https://developer.android.google.cn/reference/android/app/Notification.html) or Toast

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Type: TYPE_NOTIFICATION_STATE_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_NOTIFICATION_STATE_CHANGED)

Properties:

•

getEventType()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())

- The type of the event.

•

getClassName()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())

- The class name of the source.

•

getPackageName()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())

- The package name of the source.

•

getEventTime()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())

- The event time.

•

getParcelableData()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getParcelableData())

- The posted Notification (https://developer.android.google.cn/reference/android/app/Notification.html), if applicable.

•

getText()

(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())

- Displayed text of the Toast (https://developer.android.google.cn/reference/android/widget/Toast.html), if applicable, or may contain text from the Notification (https://developer.android.google.cn/reference/android/app/Notification.html), although getParcelableData() (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getParcelableData()) is a richer set of data for Notification (https://developer.android.google.cn/reference/android/app/Notification.html).

EXPLORATION TYPES

https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html

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View hover enter - represents the event of beginning to hover over a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>). The hover may be generated via exploring the screen by touch or via a pointing device.
Type: `TYPE_VIEW_HOVER_ENTER` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_HOVER_ENTER)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source's sub-tree.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.
- `getScrollX()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX())) - The offset of the source left edge in pixels (without descendants of `AdapterView`).
- `getScrollY()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY())) - The offset of the source top edge in pixels (without descendants of `AdapterView`).
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The zero based index of the first visible item of the source, inclusive (for descendants of `AdapterView`).
- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The zero based index of the last visible item of the source, inclusive (for descendants of `AdapterView`).
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The total items of the source (for descendants of `AdapterView`).

View hover exit - represents the event of stopping to hover over a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>). The hover may be generated via exploring the screen by touch or via a pointing device.

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Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassName())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the source's sub-tree.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.
- `getContentDescription()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getContentDescription())) - The content description of the source.
- `getScrollX()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollX())) - The offset of the source left edge in pixels (without descendants of `AdapterView`).
- `getScrollY()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getScrollY())) - The offset of the source top edge in pixels (without descendants of `AdapterView`).
- `getFromIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getFromIndex())) - The zero based index of the first visible item of the source, inclusive (for descendants of `AdapterView`).
- `getToIndex()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getToIndex())) - The zero based index of the last visible item of the source, inclusive (for descendants of `AdapterView`).
- `getItemCount()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getItemCount())) - The total items of the source (for descendants of `AdapterView`).

Touch interaction start - represents the event of starting a touch interaction, which is the user starts touching the screen.

Type: `TYPE_TOUCH_INTERACTION_START` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_INTERACTION_START)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.

Note: This event is fired only by the system and is not passed to the view tree to be populated.

Touch interaction end - represents the event of ending a touch interaction, which is the user stops touching the screen.

Type: `TYPE_TOUCH_INTERACTION_END` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_INTERACTION_END)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.

Note: This event is fired only by the system and is not passed to the view tree to be populated.

Touch exploration gesture start - represents the event of starting a touch exploring gesture.

Type: `TYPE_TOUCH_EXPLORATION_GESTURE_START` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_EXPLORATION_GESTURE_START)

Properties:

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.

Note: This event is fired only by the system and is not passed to the view tree to be populated.

Touch exploration gesture end - represents the event of ending a touch exploration gesture.

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Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.

Note: This event is fired only by the system and is not passed to the view tree to be populated.

Touch gesture detection start - represents the event of starting a user gesture detection.

Type: `TYPE_GESTURE_DETECTION_START` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_GESTURE_DETECTION_START)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.

Note: This event is fired only by the system and is not passed to the view tree to be populated.

Touch gesture detection end - represents the event of ending a user gesture detection.

Type: `TYPE_GESTURE_DETECTION_END` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_GESTURE_DETECTION_END)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.

Note: This event is fired only by the system and is not passed to the view tree to be populated.

MISCELLANEOUS TYPES

Announcement - represents the event of an application making an announcement. Usually this announcement is related to some sort of a context change for which none of the events representing UI transitions is a good fit. For example, announcing a new page in a book.

Type: `TYPE_ANNOUNCEMENT` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_ANNOUNCEMENT)

Properties:

- `getEventType()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventType())) - The type of the event.
- `getSource()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getSource())) - The source info (for registered clients).
- `getClassName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassname\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getClassname())) - The class name of the source.
- `getPackageName()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getPackageName())) - The package name of the source.
- `getEventTime()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getEventTime())) - The event time.
- `getText()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())) - The text of the announcement.
- `isEnabled()` ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#isEnabled())) - Whether the source is enabled.

See also:

[AccessibilityManager](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityManager.html) (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityManager.html>)

[AccessibilityService](https://developer.android.google.cn/reference/android/accessibilityservice/AccessibilityService.html) (<https://developer.android.google.cn/reference/android/accessibilityservice/AccessibilityService.html>)

[AccessibilityNodeInfo](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html) (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html>)

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Summary

Constants	
int	<code>CONTENT_CHANGE_TYPE_CONTENT_DESCRIPTION</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_CONTENT_DESCRIPTION) Change type for <code>TYPE_WINDOW_CONTENT_CHANGED</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: The node's content description changed.
int	<code>CONTENT_CHANGE_TYPE_SUBTREE</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_SUBTREE) Change type for <code>TYPE_WINDOW_CONTENT_CHANGED</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: A node in the subtree rooted at the source node was added or removed.
int	<code>CONTENT_CHANGE_TYPE_TEXT</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_TEXT) Change type for <code>TYPE_WINDOW_CONTENT_CHANGED</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: The node's text changed.

int	CONTENT_CHANGE_TYPE_UNDEFINED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_UNDEFINED) Change type for TYPE_WINDOW_CONTENT_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: The type of change is not defined.
int	INVALID_POSITION (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#INVALID_POSITION) Invalid selection/focus position.
int	MAX_TEXT_LENGTH (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#MAX_TEXT_LENGTH) Maximum length of the text fields.
int	TYPES_ALL_MASK (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPES_ALL_MASK) Mask for AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html) all types.
int	TYPE_ANNOUNCEMENT (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_ANNOUNCEMENT) Represents the event of an application making an announcement.
int	TYPE_ASSIST_READING_CONTEXT (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_ASSIST_READING_CONTEXT) Represents the event of the assistant currently reading the users screen context.
int	TYPE_GESTURE_DETECTION_END (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_GESTURE_DETECTION_END) Represents the event of ending gesture detection.
int	TYPE_GESTURE_DETECTION_START (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_GESTURE_DETECTION_START) Represents the event of beginning gesture detection.
int	TYPE_NOTIFICATION_STATE_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_NOTIFICATION_STATE_CHANGED) Represents the event showing a Notification (https://developer.android.google.cn/reference/android/app/Notification.html).
int	TYPE_TOUCH_EXPLORATION_GESTURE_END (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_EXPLORATION_GESTURE_END) Represents the event of ending a touch exploration gesture.
int	TYPE_TOUCH_EXPLORATION_GESTURE_START (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_EXPLORATION_GESTURE_START) Represents the event of starting a touch exploration gesture.
int	TYPE_TOUCH_INTERACTION_END (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_INTERACTION_END) Reorepresents the event of the user ending to touch the screen.

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	Represents the event of the user starting to touch the screen.
int	TYPE_VIEW_ACCESSIBILITY_FOCUSED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_ACCESSIBILITY_FOCUSED) Represents the event of gaining accessibility focus.
int	TYPE_VIEW_ACCESSIBILITY_FOCUS_CLEARED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_ACCESSIBILITY_FOCUS_CLEARED) Represents the event of clearing accessibility focus.
int	TYPE_VIEW_CLICKED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_CLICKED) Represents the event of clicking on a View (https://developer.android.google.cn/reference/android/view/View.html) like Button (https://developer.android.google.cn/reference/android/widget/Button.html), CompoundButton (https://developer.android.google.cn/reference/android/widget/CompoundButton.html), etc.
int	TYPE_VIEW_CONTEXT_CLICKED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_CONTEXT_CLICKED) Represents the event of a context click on a View (https://developer.android.google.cn/reference/android/view/View.html).
int	TYPE_VIEW_FOCUSED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_FOCUSED) Represents the event of setting input focus of a View (https://developer.android.google.cn/reference/android/view/View.html).
int	TYPE_VIEW_HOVER_ENTER (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_HOVER_ENTER) Represents the event of a hover enter over a View (https://developer.android.google.cn/reference/android/view/View.html).
int	TYPE_VIEW_HOVER_EXIT (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_HOVER_EXIT) Represents the event of a hover exit over a View (https://developer.android.google.cn/reference/android/view/View.html).
int	TYPE_VIEW_LONG_CLICKED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_LONG_CLICKED) Represents the event of long clicking on a View (https://developer.android.google.cn/reference/android/view/View.html) like Button (https://developer.android.google.cn/reference/android/widget/Button.html), CompoundButton (https://developer.android.google.cn/reference/android/widget/CompoundButton.html), etc.
int	TYPE_VIEW_SCROLLED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_SCROLLED) Represents the event of scrolling a view.
int	TYPE_VIEW_SELECTED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_SELECTED) Represents the event of selecting an item usually in the context of an AdapterView (https://developer.android.google.cn/reference/android/widget/AdapterView.html).
int	TYPE_VIEW_TEXT_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_CHANGED) Represents the event of changing the text of an EditText (https://developer.android.google.cn/reference/android/widget/EditText.html).
int	TYPE_VIEW_TEXT_SELECTION_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_SELECTION_CHANGED) Represents the event of changing the selection in an EditText (https://developer.android.google.cn/reference/android/widget/EditText.html).
int	TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY) Represents the event of traversing the text of a view at a given movement granularity.
int	TYPE_WINDOWS_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOWS_CHANGED) Represents the event change in the windows shown on the screen.

int	TYPE_WINDOW_CONTENT_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) Represents the event of changing the content of a window and more specifically the sub-tree rooted at the event's source.
int	TYPE_WINDOW_STATE_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_STATE_CHANGED) Represents the event of opening a PopupWindow (https://developer.android.google.cn/reference/android/widget/PopupWindow.html), Menu (https://developer.android.google.cn/reference/android/view/Menu.html), Dialog (https://developer.android.google.cn/reference/android/app/Dialog.html), etc.

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▼ (#)From interface [android.os.Parcelable](https://developer.android.google.cn/reference/android/os/Parcelable.html) (<https://developer.android.google.cn/reference/android/os/Parcelable.html>)

Fields

public static final Creator <AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html)>	CREATOR (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CREATOR)
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Public methods

void	(appendRecord(android.view.accessibility.AccessibilityRecord)) (AccessibilityRecord (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html) record) Appends an AccessibilityRecord (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html) to the end of event records.
int	(describeContents()) Describe the kinds of special objects contained in this Parcelable instance's marshaled representation.
static String (https://developer.android.google.cn/reference/java/lang/String.html)	(eventTypeToString(int))(int eventType) Returns the string representation of an event type.
int	(getAction()) Gets the performed action that triggered this event.
int	(getContentChangeTypes()) Gets the bit mask of change types signaled by an TYPE_WINDOW_CONTENT_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event.
long	(getEventTime()) Gets the time in which this event was sent.
int	(getEventType()) Gets the event type.
int	(getMovementGranularity()) Gets the movement granularity that was traversed.
CharSequence (https://developer.android.google.cn/reference/java/lang/CharSequence.html)	(getPackageName()) Gets the package name of the source.
AccessibilityRecord (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html)	(getRecord(int))(int index) Gets the record at a given index.
int	(getRecordCount()) Gets the number of records contained in the event.
void	(initFromParcel(android.os.Parcel))(Parcel) (https://developer.android.google.cn/reference/android/os/Parcel.html) parcel) Creates a new instance from a Parcel (https://developer.android.google.cn/reference/android/os/Parcel.html).
static AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html)	(obtain(android.view.accessibility.AccessibilityEvent))(AccessibilityEvent) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html) event)

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static AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html)	(obtain()) Returns a cached instance if such is available or a new one is instantiated.
static AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html)	(obtain(int))(int eventType) Returns a cached instance if such is available or a new one is instantiated with its type property set.
void	(recycle()) Recycles an instance back to be reused.
void	(setAction(int))(int action) Sets the performed action that triggered this event.
void	(setContentChangeTypes(int))(int changeTypes) Sets the bit mask of node tree changes signaled by an TYPE_WINDOW_CONTENT_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event.

void	<code>setEventTime</code> ((https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#setEventTime(long)))(long <code>eventTime</code>) Sets the time in which this event was sent.
void	<code>setEventType</code> ((https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#setEventType(int)))(int <code>eventType</code>) Sets the event type.
void	<code>setMovementGranularity</code> ((https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#setMovementGranularity(int)))(int <code>granularity</code>) Sets the movement granularity that was traversed.
void	<code>setPackageName</code> ((https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#setPackageName(java.lang.CharSequence)))(CharSequence <code>packageName</code>) Sets the package name of the source.
String	<code>toString</code> ((https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#toString()))() Returns a string representation of the object.
void	<code>writeToParcel</code> ((https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#writeToParcel(android.os.Parcel, int)))(Parcel <code>parcel</code> , int <code>flags</code>) Flatten this object in to a Parcel.

Inherited methods
✕ (#)From class android.view.accessibility.AccessibilityRecord (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html)
✕ (#)From class java.lang.Object (https://developer.android.google.cn/reference/java/lang/Object.html)
✕ (#)From interface android.os.Parcelable (https://developer.android.google.cn/reference/android/os/Parcelable.html)

Constants

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CONTENT_CHANGE_TYPE_CONTENT_DESCRIPTION

added in API level 19 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int CONTENT_CHANGE_TYPE_CONTENT_DESCRIPTION

Change type for [TYPE_WINDOW_CONTENT_CHANGED](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: The node's content description changed.

Constant Value: 4 (0x00000004)

CONTENT_CHANGE_TYPE_SUBTREE

added in API level 19 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int CONTENT_CHANGE_TYPE_SUBTREE

Change type for [TYPE_WINDOW_CONTENT_CHANGED](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: A node in the subtree rooted at the source node was added or removed.

Constant Value: 1 (0x00000001)

CONTENT_CHANGE_TYPE_TEXT

added in API level 19 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int CONTENT_CHANGE_TYPE_TEXT

Change type for [TYPE_WINDOW_CONTENT_CHANGED](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: The node's text changed.

Constant Value: 2 (0x00000002)

CONTENT_CHANGE_TYPE_UNDEFINED

added in API level 19 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int CONTENT_CHANGE_TYPE_UNDEFINED

Change type for [TYPE_WINDOW_CONTENT_CHANGED](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event: The type of change is not defined.

Constant Value: 0 (0x00000000)

INVALID_POSITION

int INVALID_POSITION

Invalid selection/focus position.

See also:

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Constant Value: -1 (0xffffffff)

MAX_TEXT_LENGTH

int MAX_TEXT_LENGTH

Maximum length of the text fields.

See also:

getBeforeText() (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getBeforeText())

Note: This constant is no longer needed since there is no limit on the length of text that is contained in an accessibility event anymore.
(https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html#getText())

Constant Value: 500 (0x000001f4)

TYPES_ALL_MASK

int TYPES_ALL_MASK

Mask for AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html) all types.

See also:

TYPE_VIEW_CLICKED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_CLICKED)

TYPE_VIEW_LONG_CLICKED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_LONG_CLICKED)

TYPE_VIEW_SELECTED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_SELECTED)

TYPE_VIEW_FOCUSED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_FOCUSED)

TYPE_VIEW_TEXT_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_CHANGED)

TYPE_WINDOW_STATE_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_STATE_CHANGED)

TYPE_NOTIFICATION_STATE_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_NOTIFICATION_STATE_CHANGED)

TYPE_VIEW_HOVER_ENTER (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_HOVER_ENTER)

TYPE_VIEW_HOVER_EXIT (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_HOVER_EXIT)

TYPE_TOUCH_EXPLORATION_GESTURE_START (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_EXPLORATION_GESTURE_START)

TYPE_TOUCH_EXPLORATION_GESTURE_END (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_EXPLORATION_GESTURE_END)

TYPE_VIEW_TEXT_SELECTION_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_SELECTION_CHANGED)

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TYPE_VIEW_SCROLLED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_SCROLLED)

TYPE_VIEW_TEXT_SELECTION_CHANGED (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_SELECTION_CHANGED)

TYPE_ANNOUNCEMENT (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_ANNOUNCEMENT)

TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY)

TYPE_GESTURE_DETECTION_START (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_GESTURE_DETECTION_START)

TYPE_GESTURE_DETECTION_END (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_GESTURE_DETECTION_END)

TYPE_TOUCH_INTERACTION_START (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_INTERACTION_START)

<code>TYPE_TOUCH_INTERACTION_END</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_TOUCH_INTERACTION_END)	
<code>TYPE_WINDOWS_CHANGED</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOWS_CHANGED)	
<code>TYPE_VIEW_CONTEXT_CLICKED</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_CONTEXT_CLICKED)	
Constant Value: -1 (0xffffffff)	

TYPE_ANNOUNCEMENT

<code>int TYPE_ANNOUNCEMENT</code>	added in API level 16 (https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels)
Represents the event of an application making an announcement.	
Constant Value: 16384 (0x00004000)	

TYPE_ASSIST_READING_CONTEXT

<code>int TYPE_ASSIST_READING_CONTEXT</code>	added in API level 23 (https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels)
Represents the event of the assistant currently reading the users screen context.	
Constant Value: 16777216 (0x01000000)	

TYPE_GESTURE_DETECTION_END

<code>int TYPE_GESTURE_DETECTION_END</code>	added in API level 17 (https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels)
Represents the event of ending gesture detection.	
Constant Value: 524288 (0x00800000)	

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TYPE_GESTURE_DETECTION_START

<code>int TYPE_GESTURE_DETECTION_START</code>	added in API level 17 (https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels)
Represents the event of beginning gesture detection.	
Constant Value: 262144 (0x00400000)	

TYPE_NOTIFICATION_STATE_CHANGED

<code>int TYPE_NOTIFICATION_STATE_CHANGED</code>	added in API level 4 (https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels)
Represents the event showing a <code>Notification</code> (https://developer.android.google.cn/reference/android/app/Notification.html).	
Constant Value: 64 (0x00000040)	

TYPE_TOUCH_EXPLORATION_GESTURE_END

<code>int TYPE_TOUCH_EXPLORATION_GESTURE_END</code>	added in API level 14 (https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels)
Represents the event of ending a touch exploration gesture.	
Constant Value: 1024 (0x00000400)	

TYPE_TOUCH_EXPLORATION_GESTURE_START

<code>int TYPE_TOUCH_EXPLORATION_GESTURE_START</code>	added in API level 14 (https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels)
Represents the event of starting a touch exploration gesture.	
Constant Value: 512 (0x00000200)	

TYPE_TOUCH_INTERACTION_END

int TYPE_TOUCH_INTERACTION_END

Represents the event of the user ending to touch the screen.

Constant Value: 2097152 (0x00200000)

added in API level 17 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

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TYPE_TOUCH_INTERACTION_START

int TYPE_TOUCH_INTERACTION_START

Represents the event of the user starting to touch the screen.

Constant Value: 1048576 (0x00100000)

added in API level 17 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_ACCESSIBILITY_FOCUSED

int TYPE_VIEW_ACCESSIBILITY_FOCUSED

Represents the event of gaining accessibility focus.

Constant Value: 32768 (0x00008000)

added in API level 16 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_ACCESSIBILITY_FOCUS_CLEARED

int TYPE_VIEW_ACCESSIBILITY_FOCUS_CLEARED

Represents the event of clearing accessibility focus.

Constant Value: 65536 (0x00010000)

added in API level 16 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_CLICKED

int TYPE_VIEW_CLICKED

Represents the event of clicking on a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>) like [Button](https://developer.android.google.cn/reference/android/widget/Button.html) (<https://developer.android.google.cn/reference/android/widget/Button.html>), [CompoundButton](https://developer.android.google.cn/reference/android/widget/CompoundButton.html) (<https://developer.android.google.cn/reference/android/widget/CompoundButton.html>), etc.

Constant Value: 1 (0x00000001)

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_CONTEXT_CLICKED

int TYPE_VIEW_CONTEXT_CLICKED

Represents the event of a context click on a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>).

Constant Value: 8388608 (0x00800000)

added in API level 23 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

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TYPE_VIEW_FOCUSED

int TYPE_VIEW_FOCUSED

Represents the event of setting input focus of a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>).

Constant Value: 8 (0x00000008)

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_HOVER_ENTER

int TYPE_VIEW_HOVER_ENTER

Represents the event of a hover enter over a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>).

Constant Value: 128 (0x00000080)

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_HOVER_EXIT

int TYPE_VIEW_HOVER_EXIT

Represents the event of a hover exit over a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>).

Constant Value: 256 (0x00000100)

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_LONG_CLICKED

int TYPE_VIEW_LONG_CLICKED

Represents the event of long clicking on a [View](https://developer.android.google.cn/reference/android/view/View.html) (<https://developer.android.google.cn/reference/android/view/View.html>) like [Button](https://developer.android.google.cn/reference/android/widget/Button.html) (<https://developer.android.google.cn/reference/android/widget/Button.html>), [CompoundButton](https://developer.android.google.cn/reference/android/widget/CompoundButton.html) (<https://developer.android.google.cn/reference/android/widget/CompoundButton.html>), etc.

Constant Value: 2 (0x00000002)

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_SCROLLED

int TYPE_VIEW_SCROLLED

Represents the event of scrolling a view. This event type is generally not sent directly.

See also:

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Constant Value: 4096 (0x00001000)

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_SELECTED

int TYPE_VIEW_SELECTED

Represents the event of selecting an item usually in the context of an [AdapterView](https://developer.android.google.cn/reference/android/widget/AdapterView.html) (<https://developer.android.google.cn/reference/android/widget/AdapterView.html>).

Constant Value: 4 (0x00000004)

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_TEXT_CHANGED

int TYPE_VIEW_TEXT_CHANGED

Represents the event of changing the text of an [EditText](https://developer.android.google.cn/reference/android/widget/EditText.html) (<https://developer.android.google.cn/reference/android/widget/EditText.html>).

Constant Value: 16 (0x00000010)

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_TEXT_SELECTION_CHANGED

int TYPE_VIEW_TEXT_SELECTION_CHANGED

Represents the event of changing the selection in an [EditText](https://developer.android.google.cn/reference/android/widget/EditText.html) (<https://developer.android.google.cn/reference/android/widget/EditText.html>).

Constant Value: 8192 (0x00002000)

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY

added in API level 16 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int TYPE_VIEW_TEXT_TRAVERSED_AT_MOVEMENT_GRANULARITY

Represents the event of traversing the text of a view at a given movement granularity.

Constant Value: 131072 (0x00020000)

TYPE_WINDOWS_CHANGED

added in API level 21 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int TYPE_WINDOWS_CHANGED

Constant Value: 4194304 (0x00400000)

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TYPE_WINDOW_CONTENT_CHANGED

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int TYPE_WINDOW_CONTENT_CHANGED

Represents the event of changing the content of a window and more specifically the sub-tree rooted at the event's source.

Constant Value: 2048 (0x0000800)

TYPE_WINDOW_STATE_CHANGED

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int TYPE_WINDOW_STATE_CHANGED

Represents the event of opening a [PopupWindow](https://developer.android.google.cn/reference/android/widget/PopupWindow.html) (<https://developer.android.google.cn/reference/android/widget/PopupWindow.html>), [Menu](https://developer.android.google.cn/reference/android/view/Menu.html) (<https://developer.android.google.cn/reference/android/view/Menu.html>), [Dialog](https://developer.android.google.cn/reference/android/app/Dialog.html) (<https://developer.android.google.cn/reference/android/app/Dialog.html>), etc.

Constant Value: 32 (0x00000020)

Fields

CREATOR

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

Creator (<https://developer.android.google.cn/reference/android/os/Parcelable.Creator.html>)<AccessibilityEvent (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html>)> CREATOR

See also:

[Parcelable.Creator](https://developer.android.google.cn/reference/android/os/Parcelable.Creator.html) (<https://developer.android.google.cn/reference/android/os/Parcelable.Creator.html>)

Public methods

appendRecord

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

void appendRecord ([AccessibilityRecord](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html) (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html>) record)

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Parameters	
record	AccessibilityRecord : The record to append.
Throws	
IllegalStateException	If called from an AccessibilityService.

(<https://developer.android.google.cn/reference/java/lang/IllegalArgumentException.html>)

describeContents

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int describeContents ()

Describe the kinds of special objects contained in this Parcelable instance's marshaled representation. For example, if the object will include a file descriptor in the output of `writeToParcel(Parcel, int)` ([https://developer.android.google.cn/reference/android/os/Parcelable.html#writeToParcel\(android.os.Parcel, int\)](https://developer.android.google.cn/reference/android/os/Parcelable.html#writeToParcel(android.os.Parcel, int))), the return value of this method must include the `CONTENTS_FILE_DESCRIPTOR` (https://developer.android.google.cn/reference/android/os/Parcelable.html#CONTENTS_FILE_DESCRIPTOR) bit.

Returns	
int	a bitmask indicating the set of special object types marshaled by this Parcelable object instance.

eventTypeToString

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

String (<https://developer.android.google.cn/reference/java/lang/String.html>) eventTypeToString (int eventType)

Returns the string representation of an event type. For example, `TYPE_VIEW_CLICKED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_VIEW_CLICKED) is represented by the string `TYPE_VIEW_CLICKED`.

Parameters	
eventType	int: The event type

Returns	
String (https://developer.android.google.cn/reference/java/lang/String.html)	The string representation.

getAction

added in API level 16 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int getAction ()

Gets the performed action that triggered this event.

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Returns	
int	The action.

getContentChangeTypes

added in API level 19 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int getContentChangeTypes ()

Gets the bit mask of change types signaled by an `TYPE_WINDOW_CONTENT_CHANGED` (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event. A single event may represent multiple change types.

Returns	
int	The bit mask of change types. One or more of: <ul style="list-style-type: none"><code>CONTENT_CHANGE_TYPE_CONTENT_DESCRIPTION</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_CONTENT_DESCRIPTION)<code>CONTENT_CHANGE_TYPE_SUBTREE</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_SUBTREE)<code>CONTENT_CHANGE_TYPE_TEXT</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_TEXT)<code>CONTENT_CHANGE_TYPE_UNDEFINED</code> (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#CONTENT_CHANGE_TYPE_UNDEFINED)

getEventTime

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

long getEventTime ()

Gets the time in which this event was sent.

Returns	
long	The event time.

getEventType

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int getEventType ()

Gets the event type.

Returns	
int	The event type.

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getMovementGranularity

added in API level 16 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int getMovementGranularity ()

Gets the movement granularity that was traversed.

Returns	
int	The granularity.

getPackageName

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

CharSequence (<https://developer.android.google.cn/reference/java/lang/CharSequence.html>) getPackageName ()

Gets the package name of the source.

Returns	
CharSequence (https://developer.android.google.cn/reference/java/lang/CharSequence.html)	The package name.

getRecord

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

AccessibilityRecord (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html>) getRecord (int index)

Gets the record at a given index.

Parameters	
index	int : The index.

Returns	
AccessibilityRecord (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityRecord.html)	The record at the specified index.

getRecordCount

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

int getRecordCount ()

Gets the number of records contained in the event.

Returns	
int	The number of records.

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initFromParcel

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

void initFromParcel (Parcel (<https://developer.android.google.cn/reference/android/os/Parcel.html>) parcel)

Creates a new instance from a Parcel (<https://developer.android.google.cn/reference/android/os/Parcel.html>).

Parameters	
parcel	Parcel: A parcel containing the state of a AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html).

obtain

added in API level 14 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

AccessibilityEvent (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html>) obtain (AccessibilityEvent (<https://developer.android.google.cn/reference/android/view/accessibi>

Returns a cached instance if such is available or a new one is created. The returned instance is initialized from the given event.

Parameters	
event	AccessibilityEvent: The other event.
Returns	
AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html)	An instance.

obtain

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

AccessibilityEvent (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html>) obtain ()

Returns a cached instance if such is available or a new one is instantiated.

Returns	
AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html)	An instance.

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AccessibilityEvent (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html>) obtain (int eventType)

Returns a cached instance if such is available or a new one is instantiated with its type property set.

Parameters	
eventType	int: The event type.
Returns	
AccessibilityEvent (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html)	An instance.

recycle

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

void recycle ()

Recycles an instance back to be reused.

Note: You must not touch the object after calling this function.

Throws	
IllegalStateException (https://developer.android.google.cn/reference/java/lang/IllegalStateException.html)	If the event is already recycled.

setAction

added in API level 16 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

void setAction (int action)

Sets the performed action that triggered this event.

Valid actions are defined in [AccessibilityNodeInfo](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html) (<https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html>):

- [ACTION_ACCESSIBILITY_FOCUS](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_ACCESSIBILITY_FOCUS) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_ACCESSIBILITY_FOCUS)
- [ACTION_CLEAR_ACCESSIBILITY_FOCUS](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLEAR_ACCESSIBILITY_FOCUS) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLEAR_ACCESSIBILITY_FOCUS)
- [ACTION_CLEAR_FOCUS](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLEAR_FOCUS) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLEAR_FOCUS)
- [ACTION_CLEAR_SELECTION](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLEAR_SELECTION) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLEAR_SELECTION)
- [ACTION_CLICK](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLICK) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#ACTION_CLICK)
- etc.

Parameters	
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Throws	
IllegalStateException (https://developer.android.google.cn/reference/java/lang/IllegalStateException.html)	If called from an AccessibilityService.

See also:

[performAction\(int\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#performAction(int)) ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#performAction\(int\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityNodeInfo.html#performAction(int)))

setContentChangeTypes

added in API level 19 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

void setContentChangeTypes (int changeTypes)

Sets the bit mask of node tree changes signaled by an [TYPE_WINDOW_CONTENT_CHANGED](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) (https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#TYPE_WINDOW_CONTENT_CHANGED) event.

Parameters	
changeTypes	int : The bit mask of change types.
Throws	
IllegalStateException (https://developer.android.google.cn/reference/java/lang/IllegalStateException.html)	If called from an AccessibilityService.

See also:

[getContentChangeTypes\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getContentChangeTypes()) ([https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getContentChangeTypes\(\)](https://developer.android.google.cn/reference/android/view/accessibility/AccessibilityEvent.html#getContentChangeTypes()))

setEventTime

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

void setEventTime (long eventTime)

Sets the time in which this event was sent.

Parameters	
eventTime	long : The event time.
Throws	
IllegalStateException (https://developer.android.google.cn/reference/java/lang/IllegalStateException.html)	If called from an AccessibilityService.

setEventType

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

void setEventType (int eventTime)

`void setEventType (int eventType)`

Sets the event type.

Parameters	
<code>eventType</code>	<code>int</code> : The event type.
Throws	
<code>IllegalStateException</code> (https://developer.android.google.cn/reference/java/lang/IllegalStateException.html)	If called from an AccessibilityService.

setMovementGranularity

added in API level 16 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

`void setMovementGranularity (int granularity)`

Sets the movement granularity that was traversed.

Parameters	
<code>granularity</code>	<code>int</code> : The granularity.
Throws	
<code>IllegalStateException</code> (https://developer.android.google.cn/reference/java/lang/IllegalStateException.html)	If called from an AccessibilityService.

setPackageName

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

`void setPackageName (CharSequence https://developer.android.google.cn/reference/java/lang/CharSequence.html packageName)`

Sets the package name of the source.

Parameters	
<code>packageName</code>	<code>CharSequence</code> : The package name.
Throws	
<code>IllegalStateException</code> (https://developer.android.google.cn/reference/java/lang/IllegalStateException.html)	If called from an AccessibilityService.

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toString

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

`String https://developer.android.google.cn/reference/java/lang/String.html toString ()`

Returns a string representation of the object. In general, the `toString` method returns a string that "textually represents" this object. The result should be a concise but informative representation that is easy for a person to read. It is recommended that all subclasses override this method.

The `toString` method for class `Object` returns a string consisting of the name of the class of which the object is an instance, the at-sign character '@', and the unsigned hexadecimal representation of the hash code of the object. In other words, this method returns a string equal to the value of:

```
getClass().getName() + '@' + Integer.toHexString(hashCode())
```

Returns	
<code>String</code> (https://developer.android.google.cn/reference/java/lang/String.html)	a string representation of the object.

writeToParcel

added in API level 4 (<https://developer.android.google.cn/guide/topics/manifest/uses-sdk-element.html#ApiLevels>)

`void writeToParcel (Parcel https://developer.android.google.cn/reference/android/os/Parcel.html parcel, int flags)`

Flatten this object in to a Parcel.

Parameters	
parcel	Parcel: The Parcel in which the object should be written.
flags	int: Additional flags about how the object should be written. May be 0 or PARCELABLE_WRITE_RETURN_VALUE (https://developer.android.google.cn/reference/android/os/Parcelable.html#PARCELABLE_WRITE_RETURN_VALUE).



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