| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DragSourceEvent.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/awt/dnd/DragSourceDropEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/dnd/DragSourceListener.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/dnd/DragSourceEvent.html)    [**NO FRAMES**](http://docs.google.com/DragSourceEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **java.awt.dnd**

Class DragSourceEvent

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.util.EventObject](http://docs.google.com/java/util/EventObject.html)  
 **java.awt.dnd.DragSourceEvent**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Direct Known Subclasses:** [DragSourceDragEvent](http://docs.google.com/java/awt/dnd/DragSourceDragEvent.html), [DragSourceDropEvent](http://docs.google.com/java/awt/dnd/DragSourceDropEvent.html)

public class **DragSourceEvent**extends [EventObject](http://docs.google.com/java/util/EventObject.html)

This class is the base class for DragSourceDragEvent and DragSourceDropEvent.

DragSourceEvents are generated whenever the drag enters, moves over, or exits a drop site, when the drop action changes, and when the drag ends. The location for the generated DragSourceEvent specifies the mouse cursor location in screen coordinates at the moment this event occured.

In a multi-screen environment without a virtual device, the cursor location is specified in the coordinate system of the *initiator* GraphicsConfiguration. The *initiator* GraphicsConfiguration is the GraphicsConfiguration of the Component on which the drag gesture for the current drag operation was recognized. If the cursor location is outside the bounds of the initiator GraphicsConfiguration, the reported coordinates are clipped to fit within the bounds of that GraphicsConfiguration.

In a multi-screen environment with a virtual device, the location is specified in the corresponding virtual coordinate system. If the cursor location is outside the bounds of the virtual device the reported coordinates are clipped to fit within the bounds of the virtual device.

**Since:** 1.2 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.awt.dnd.DragSourceEvent)

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class java.util.**[**EventObject**](http://docs.google.com/java/util/EventObject.html) |
| --- |
| [source](http://docs.google.com/java/util/EventObject.html#source) |

| **Constructor Summary** | |
| --- | --- |
| [**DragSourceEvent**](http://docs.google.com/java/awt/dnd/DragSourceEvent.html#DragSourceEvent(java.awt.dnd.DragSourceContext))([DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html) dsc)            Construct a DragSourceEvent given a specified DragSourceContext. |
| [**DragSourceEvent**](http://docs.google.com/java/awt/dnd/DragSourceEvent.html#DragSourceEvent(java.awt.dnd.DragSourceContext,%20int,%20int))([DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html) dsc, int x, int y)            Construct a DragSourceEvent given a specified DragSourceContext, and coordinates of the cursor location. |

| **Method Summary** | |
| --- | --- |
| [DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html) | [**getDragSourceContext**](http://docs.google.com/java/awt/dnd/DragSourceEvent.html#getDragSourceContext())()            This method returns the DragSourceContext that originated the event. |
| [Point](http://docs.google.com/java/awt/Point.html) | [**getLocation**](http://docs.google.com/java/awt/dnd/DragSourceEvent.html#getLocation())()            This method returns a Point indicating the cursor location in screen coordinates at the moment this event occured, or null if the cursor location is not specified for this event. |
| int | [**getX**](http://docs.google.com/java/awt/dnd/DragSourceEvent.html#getX())()            This method returns the horizontal coordinate of the cursor location in screen coordinates at the moment this event occured, or zero if the cursor location is not specified for this event. |
| int | [**getY**](http://docs.google.com/java/awt/dnd/DragSourceEvent.html#getY())()            This method returns the vertical coordinate of the cursor location in screen coordinates at the moment this event occured, or zero if the cursor location is not specified for this event. |

| **Methods inherited from class java.util.**[**EventObject**](http://docs.google.com/java/util/EventObject.html) |
| --- |
| [getSource](http://docs.google.com/java/util/EventObject.html#getSource()), [toString](http://docs.google.com/java/util/EventObject.html#toString()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### DragSourceEvent

public **DragSourceEvent**([DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html) dsc)

Construct a DragSourceEvent given a specified DragSourceContext. The coordinates for this DragSourceEvent are not specified, so getLocation will return null for this event.

**Parameters:**dsc - the DragSourceContext **Throws:** IllegalArgumentException - if dsc is null.**See Also:**[getLocation()](http://docs.google.com/java/awt/dnd/DragSourceEvent.html#getLocation())

### DragSourceEvent

public **DragSourceEvent**([DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html) dsc,  
 int x,  
 int y)

Construct a DragSourceEvent given a specified DragSourceContext, and coordinates of the cursor location.

**Parameters:**dsc - the DragSourceContextx - the horizontal coordinate for the cursor locationy - the vertical coordinate for the cursor location **Throws:** IllegalArgumentException - if dsc is null.**Since:** 1.4

| **Method Detail** |
| --- |

### getDragSourceContext

public [DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html) **getDragSourceContext**()

This method returns the DragSourceContext that originated the event.

**Returns:**the DragSourceContext that originated the event

### getLocation

public [Point](http://docs.google.com/java/awt/Point.html) **getLocation**()

This method returns a Point indicating the cursor location in screen coordinates at the moment this event occured, or null if the cursor location is not specified for this event.

**Returns:**the Point indicating the cursor location or null if the cursor location is not specified**Since:** 1.4

### getX

public int **getX**()

This method returns the horizontal coordinate of the cursor location in screen coordinates at the moment this event occured, or zero if the cursor location is not specified for this event.

**Returns:**an integer indicating the horizontal coordinate of the cursor location or zero if the cursor location is not specified**Since:** 1.4

### getY

public int **getY**()

This method returns the vertical coordinate of the cursor location in screen coordinates at the moment this event occured, or zero if the cursor location is not specified for this event.

**Returns:**an integer indicating the vertical coordinate of the cursor location or zero if the cursor location is not specified**Since:** 1.4

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DragSourceEvent.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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