| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DragSourceListener.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/DragSourceEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/dnd/DragSourceMotionListener.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/dnd/DragSourceListener.html)    [**NO FRAMES**](http://docs.google.com/DragSourceListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.awt.dnd**

Interface DragSourceListener

**All Superinterfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html) **All Known Implementing Classes:** [DragSourceAdapter](http://docs.google.com/java/awt/dnd/DragSourceAdapter.html), [DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html)

public interface **DragSourceListener**extends [EventListener](http://docs.google.com/java/util/EventListener.html)

The DragSourceListener defines the event interface for originators of Drag and Drop operations to track the state of the user's gesture, and to provide appropriate "drag over" feedback to the user throughout the Drag and Drop operation.

The drop site is *associated with the previous dragEnter() invocation* if the latest invocation of dragEnter() on this listener:

* corresponds to that drop site and
* is not followed by a dragExit() invocation on this listener.

**Since:** 1.2

| **Method Summary** | |
| --- | --- |
| void | [**dragDropEnd**](http://docs.google.com/java/awt/dnd/DragSourceListener.html#dragDropEnd(java.awt.dnd.DragSourceDropEvent))([DragSourceDropEvent](http://docs.google.com/java/awt/dnd/DragSourceDropEvent.html) dsde)            This method is invoked to signify that the Drag and Drop operation is complete. |
| void | [**dragEnter**](http://docs.google.com/java/awt/dnd/DragSourceListener.html#dragEnter(java.awt.dnd.DragSourceDragEvent))([DragSourceDragEvent](http://docs.google.com/java/awt/dnd/DragSourceDragEvent.html) dsde)            Called as the cursor's hotspot enters a platform-dependent drop site. |
| void | [**dragExit**](http://docs.google.com/java/awt/dnd/DragSourceListener.html#dragExit(java.awt.dnd.DragSourceEvent))([DragSourceEvent](http://docs.google.com/java/awt/dnd/DragSourceEvent.html) dse)            Called as the cursor's hotspot exits a platform-dependent drop site. |
| void | [**dragOver**](http://docs.google.com/java/awt/dnd/DragSourceListener.html#dragOver(java.awt.dnd.DragSourceDragEvent))([DragSourceDragEvent](http://docs.google.com/java/awt/dnd/DragSourceDragEvent.html) dsde)            Called as the cursor's hotspot moves over a platform-dependent drop site. |
| void | [**dropActionChanged**](http://docs.google.com/java/awt/dnd/DragSourceListener.html#dropActionChanged(java.awt.dnd.DragSourceDragEvent))([DragSourceDragEvent](http://docs.google.com/java/awt/dnd/DragSourceDragEvent.html) dsde)            Called when the user has modified the drop gesture. |

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

### dragEnter

void **dragEnter**([DragSourceDragEvent](http://docs.google.com/java/awt/dnd/DragSourceDragEvent.html) dsde)

Called as the cursor's hotspot enters a platform-dependent drop site. This method is invoked when all the following conditions are true:

* The cursor's hotspot enters the operable part of a platform- dependent drop site.
* The drop site is active.
* The drop site accepts the drag.

**Parameters:**dsde - the DragSourceDragEvent

### dragOver

void **dragOver**([DragSourceDragEvent](http://docs.google.com/java/awt/dnd/DragSourceDragEvent.html) dsde)

Called as the cursor's hotspot moves over a platform-dependent drop site. This method is invoked when all the following conditions are true:

* The cursor's hotspot has moved, but still intersects the operable part of the drop site associated with the previous dragEnter() invocation.
* The drop site is still active.
* The drop site accepts the drag.

**Parameters:**dsde - the DragSourceDragEvent

### dropActionChanged

void **dropActionChanged**([DragSourceDragEvent](http://docs.google.com/java/awt/dnd/DragSourceDragEvent.html) dsde)

Called when the user has modified the drop gesture. This method is invoked when the state of the input device(s) that the user is interacting with changes. Such devices are typically the mouse buttons or keyboard modifiers that the user is interacting with.

**Parameters:**dsde - the DragSourceDragEvent

### dragExit

void **dragExit**([DragSourceEvent](http://docs.google.com/java/awt/dnd/DragSourceEvent.html) dse)

Called as the cursor's hotspot exits a platform-dependent drop site. This method is invoked when any of the following conditions are true:

* The cursor's hotspot no longer intersects the operable part of the drop site associated with the previous dragEnter() invocation.

OR

* The drop site associated with the previous dragEnter() invocation is no longer active.

OR

* The drop site associated with the previous dragEnter() invocation has rejected the drag.

**Parameters:**dse - the DragSourceEvent

### dragDropEnd

void **dragDropEnd**([DragSourceDropEvent](http://docs.google.com/java/awt/dnd/DragSourceDropEvent.html) dsde)

This method is invoked to signify that the Drag and Drop operation is complete. The getDropSuccess() method of the DragSourceDropEvent can be used to determine the termination state. The getDropAction() method returns the operation that the drop site selected to apply to the Drop operation. Once this method is complete, the current DragSourceContext and associated resources become invalid.

**Parameters:**dsde - the DragSourceDropEvent

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DragSourceListener.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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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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