| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/datatransfer//class-useTransferable.html)    [**NO FRAMES**](http://docs.google.com/Transferable.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.awt.datatransfer.Transferable**

| Packages that use [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| [**java.awt.datatransfer**](#3znysh7) | Provides interfaces and classes for transferring data between and within applications. |
| [**java.awt.dnd**](#2et92p0) | Drag and Drop is a direct manipulation gesture found in many Graphical User Interface systems that provides a mechanism to transfer information between two entities logically associated with presentation elements in the GUI. |
| [**javax.activation**](#tyjcwt) |  |
| [**javax.swing**](#3dy6vkm) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |

| Uses of [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) | |
| --- | --- |

| Classes in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) that implement [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| class | [**StringSelection**](http://docs.google.com/java/awt/datatransfer/StringSelection.html)            A Transferable which implements the capability required to transfer a String. |

| Fields in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) declared as [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **Clipboard.**[**contents**](http://docs.google.com/java/awt/datatransfer/Clipboard.html#contents) |

| Methods in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) that return [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **Clipboard.**[**getContents**](http://docs.google.com/java/awt/datatransfer/Clipboard.html#getContents(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) requestor)            Returns a transferable object representing the current contents of the clipboard. |

| Methods in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) with parameters of type [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| [Reader](http://docs.google.com/java/io/Reader.html) | **DataFlavor.**[**getReaderForText**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getReaderForText(java.awt.datatransfer.Transferable))([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable)            Gets a Reader for a text flavor, decoded, if necessary, for the expected charset (encoding). |
| void | **StringSelection.**[**lostOwnership**](http://docs.google.com/java/awt/datatransfer/StringSelection.html#lostOwnership(java.awt.datatransfer.Clipboard,%20java.awt.datatransfer.Transferable))([Clipboard](http://docs.google.com/java/awt/datatransfer/Clipboard.html) clipboard, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) contents) |
| void | **ClipboardOwner.**[**lostOwnership**](http://docs.google.com/java/awt/datatransfer/ClipboardOwner.html#lostOwnership(java.awt.datatransfer.Clipboard,%20java.awt.datatransfer.Transferable))([Clipboard](http://docs.google.com/java/awt/datatransfer/Clipboard.html) clipboard, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) contents)            Notifies this object that it is no longer the clipboard owner. |
| void | **Clipboard.**[**setContents**](http://docs.google.com/java/awt/datatransfer/Clipboard.html#setContents(java.awt.datatransfer.Transferable,%20java.awt.datatransfer.ClipboardOwner))([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) contents, [ClipboardOwner](http://docs.google.com/java/awt/datatransfer/ClipboardOwner.html) owner)            Sets the current contents of the clipboard to the specified transferable object and registers the specified clipboard owner as the owner of the new contents. |

| Uses of [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) | |
| --- | --- |

| Classes in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) that implement [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| protected  class | [**DropTargetContext.TransferableProxy**](http://docs.google.com/java/awt/dnd/DropTargetContext.TransferableProxy.html)            TransferableProxy is a helper inner class that implements Transferable interface and serves as a proxy for another Transferable object which represents data transfer for a particular drag-n-drop operation. |

| Fields in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) declared as [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **DropTargetContext.TransferableProxy.**[**transferable**](http://docs.google.com/java/awt/dnd/DropTargetContext.TransferableProxy.html#transferable)            The encapsulated Transferable object. |

| Methods in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) that return [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **DropTargetContext.**[**createTransferableProxy**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#createTransferableProxy(java.awt.datatransfer.Transferable,%20boolean))([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t, boolean local)            Creates a TransferableProxy to proxy for the specified Transferable. |
| [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **DropTargetDragEvent.**[**getTransferable**](http://docs.google.com/java/awt/dnd/DropTargetDragEvent.html#getTransferable())()            This method returns the Transferable object that represents the data associated with the current drag operation. |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **DropTargetContext.**[**getTransferable**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getTransferable())()            get the Transferable (proxy) operand of this operation |
| [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **DropTargetDropEvent.**[**getTransferable**](http://docs.google.com/java/awt/dnd/DropTargetDropEvent.html#getTransferable())()            This method returns the Transferable object associated with the drop. |
| [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **DragSourceContext.**[**getTransferable**](http://docs.google.com/java/awt/dnd/DragSourceContext.html#getTransferable())()            Returns the Transferable associated with this DragSourceContext. |

| Methods in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) with parameters of type [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| protected  [DragSourceContext](http://docs.google.com/java/awt/dnd/DragSourceContext.html) | **DragSource.**[**createDragSourceContext**](http://docs.google.com/java/awt/dnd/DragSource.html#createDragSourceContext(java.awt.dnd.peer.DragSourceContextPeer,%20java.awt.dnd.DragGestureEvent,%20java.awt.Cursor,%20java.awt.Image,%20java.awt.Point,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener))(java.awt.dnd.peer.DragSourceContextPeer dscp, [DragGestureEvent](http://docs.google.com/java/awt/dnd/DragGestureEvent.html) dgl, [Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Image](http://docs.google.com/java/awt/Image.html) dragImage, [Point](http://docs.google.com/java/awt/Point.html) imageOffset, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl)            Creates the DragSourceContext to handle this drag. |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **DropTargetContext.**[**createTransferableProxy**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#createTransferableProxy(java.awt.datatransfer.Transferable,%20boolean))([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t, boolean local)            Creates a TransferableProxy to proxy for the specified Transferable. |
| void | **DragGestureEvent.**[**startDrag**](http://docs.google.com/java/awt/dnd/DragGestureEvent.html#startDrag(java.awt.Cursor,%20java.awt.Image,%20java.awt.Point,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener))([Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Image](http://docs.google.com/java/awt/Image.html) dragImage, [Point](http://docs.google.com/java/awt/Point.html) imageOffset, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl)            Start the drag given the initial Cursor to display, a drag Image, the offset of the Image, the Transferable object, and the DragSourceListener to use. |
| void | **DragGestureEvent.**[**startDrag**](http://docs.google.com/java/awt/dnd/DragGestureEvent.html#startDrag(java.awt.Cursor,%20java.awt.datatransfer.Transferable))([Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable)            Starts the drag operation given the Cursor for this drag operation and the Transferable representing the source data for this drag operation. |
| void | **DragGestureEvent.**[**startDrag**](http://docs.google.com/java/awt/dnd/DragGestureEvent.html#startDrag(java.awt.Cursor,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener))([Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl)            Starts the drag given the initial Cursor to display, the Transferable object, and the DragSourceListener to use. |
| void | **DragSource.**[**startDrag**](http://docs.google.com/java/awt/dnd/DragSource.html#startDrag(java.awt.dnd.DragGestureEvent,%20java.awt.Cursor,%20java.awt.Image,%20java.awt.Point,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener))([DragGestureEvent](http://docs.google.com/java/awt/dnd/DragGestureEvent.html) trigger, [Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Image](http://docs.google.com/java/awt/Image.html) dragImage, [Point](http://docs.google.com/java/awt/Point.html) dragOffset, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl)            Start a drag, given the DragGestureEvent that initiated the drag, the initial Cursor to use, the Image to drag, the offset of the Image origin from the hotspot of the Cursor at the instant of the trigger, the subject data of the drag, and the DragSourceListener. |
| void | **DragSource.**[**startDrag**](http://docs.google.com/java/awt/dnd/DragSource.html#startDrag(java.awt.dnd.DragGestureEvent,%20java.awt.Cursor,%20java.awt.Image,%20java.awt.Point,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener,%20java.awt.datatransfer.FlavorMap))([DragGestureEvent](http://docs.google.com/java/awt/dnd/DragGestureEvent.html) trigger, [Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Image](http://docs.google.com/java/awt/Image.html) dragImage, [Point](http://docs.google.com/java/awt/Point.html) imageOffset, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl, [FlavorMap](http://docs.google.com/java/awt/datatransfer/FlavorMap.html) flavorMap)            Start a drag, given the DragGestureEvent that initiated the drag, the initial Cursor to use, the Image to drag, the offset of the Image origin from the hotspot of the Cursor at the instant of the trigger, the Transferable subject data of the drag, the DragSourceListener, and the FlavorMap. |
| void | **DragSource.**[**startDrag**](http://docs.google.com/java/awt/dnd/DragSource.html#startDrag(java.awt.dnd.DragGestureEvent,%20java.awt.Cursor,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener))([DragGestureEvent](http://docs.google.com/java/awt/dnd/DragGestureEvent.html) trigger, [Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl)            Start a drag, given the DragGestureEvent that initiated the drag, the initial Cursor to use, the Transferable subject data of the drag, and the DragSourceListener. |
| void | **DragSource.**[**startDrag**](http://docs.google.com/java/awt/dnd/DragSource.html#startDrag(java.awt.dnd.DragGestureEvent,%20java.awt.Cursor,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener,%20java.awt.datatransfer.FlavorMap))([DragGestureEvent](http://docs.google.com/java/awt/dnd/DragGestureEvent.html) trigger, [Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl, [FlavorMap](http://docs.google.com/java/awt/datatransfer/FlavorMap.html) flavorMap)            Start a drag, given the DragGestureEvent that initiated the drag, the initial Cursor to use, the Transferable subject data of the drag, the DragSourceListener, and the FlavorMap. |

| Constructors in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) with parameters of type [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| [**DragSourceContext**](http://docs.google.com/java/awt/dnd/DragSourceContext.html#DragSourceContext(java.awt.dnd.peer.DragSourceContextPeer,%20java.awt.dnd.DragGestureEvent,%20java.awt.Cursor,%20java.awt.Image,%20java.awt.Point,%20java.awt.datatransfer.Transferable,%20java.awt.dnd.DragSourceListener))(java.awt.dnd.peer.DragSourceContextPeer dscp, [DragGestureEvent](http://docs.google.com/java/awt/dnd/DragGestureEvent.html) trigger, [Cursor](http://docs.google.com/java/awt/Cursor.html) dragCursor, [Image](http://docs.google.com/java/awt/Image.html) dragImage, [Point](http://docs.google.com/java/awt/Point.html) offset, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t, [DragSourceListener](http://docs.google.com/java/awt/dnd/DragSourceListener.html) dsl)            Called from DragSource, this constructor creates a new DragSourceContext given the DragSourceContextPeer for this Drag, the DragGestureEvent that triggered the Drag, the initial Cursor to use for the Drag, an (optional) Image to display while the Drag is taking place, the offset of the Image origin from the hotspot at the instant of the triggering event, the Transferable subject data, and the DragSourceListener to use during the Drag and Drop operation. |

| Uses of [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) in [javax.activation](http://docs.google.com/javax/activation/package-summary.html) | |
| --- | --- |

| Classes in [javax.activation](http://docs.google.com/javax/activation/package-summary.html) that implement [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| class | [**DataHandler**](http://docs.google.com/javax/activation/DataHandler.html)            The DataHandler class provides a consistent interface to data available in many different sources and formats. |

| Uses of [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **TransferHandler.**[**createTransferable**](http://docs.google.com/javax/swing/TransferHandler.html#createTransferable(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Creates a Transferable to use as the source for a data transfer. |
| [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **TransferHandler.TransferSupport.**[**getTransferable**](http://docs.google.com/javax/swing/TransferHandler.TransferSupport.html#getTransferable())()            Returns the Transferable associated with this transfer. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| protected  void | **TransferHandler.**[**exportDone**](http://docs.google.com/javax/swing/TransferHandler.html#exportDone(javax.swing.JComponent,%20java.awt.datatransfer.Transferable,%20int))([JComponent](http://docs.google.com/javax/swing/JComponent.html) source, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) data, int action)            Invoked after data has been exported. |
| [Icon](http://docs.google.com/javax/swing/Icon.html) | **TransferHandler.**[**getVisualRepresentation**](http://docs.google.com/javax/swing/TransferHandler.html#getVisualRepresentation(java.awt.datatransfer.Transferable))([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t)            Returns an object that establishes the look of a transfer. |
| boolean | **TransferHandler.**[**importData**](http://docs.google.com/javax/swing/TransferHandler.html#importData(javax.swing.JComponent,%20java.awt.datatransfer.Transferable))([JComponent](http://docs.google.com/javax/swing/JComponent.html) comp, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t)            Causes a transfer to a component from a clipboard or a DND drop operation. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | |
| --- | --- |
| [**TransferHandler.TransferSupport**](http://docs.google.com/javax/swing/TransferHandler.TransferSupport.html#TransferHandler.TransferSupport(java.awt.Component,%20java.awt.datatransfer.Transferable))([Component](http://docs.google.com/java/awt/Component.html) component, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable)            Create a TransferSupport with isDrop() false for the given component and Transferable. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/datatransfer/Transferable.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/datatransfer//class-useTransferable.html)    [**NO FRAMES**](http://docs.google.com/Transferable.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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