| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DropTargetContext.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/DropTargetAdapter.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/dnd/DropTargetContext.TransferableProxy.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/dnd/DropTargetContext.html)    [**NO FRAMES**](http://docs.google.com/DropTargetContext.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | CONSTR | [METHOD](#2et92p0) | DETAIL: FIELD | CONSTR | [METHOD](#3dy6vkm) |

## **java.awt.dnd**

Class DropTargetContext

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public class **DropTargetContext**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

A DropTargetContext is created whenever the logical cursor associated with a Drag and Drop operation coincides with the visible geometry of a Component associated with a DropTarget. The DropTargetContext provides the mechanism for a potential receiver of a drop operation to both provide the end user with the appropriate drag under feedback, but also to effect the subsequent data transfer if appropriate.

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

| **Nested Class Summary** | |
| --- | --- |
| 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. |

| **Method Summary** | |
| --- | --- |
| protected  void | [**acceptDrag**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#acceptDrag(int))(int dragOperation)            accept the Drag. |
| protected  void | [**acceptDrop**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#acceptDrop(int))(int dropOperation)            called to signal that the drop is acceptable using the specified operation. |
| void | [**addNotify**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#addNotify(java.awt.dnd.peer.DropTargetContextPeer))(java.awt.dnd.peer.DropTargetContextPeer dtcp)            Called when associated with the DropTargetContextPeer. |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | [**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 | [**dropComplete**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#dropComplete(boolean))(boolean success)            This method signals that the drop is completed and if it was successful or not. |
| [Component](http://docs.google.com/java/awt/Component.html) | [**getComponent**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getComponent())()            This method returns the Component associated with this DropTargetContext. |
| protected  [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)[] | [**getCurrentDataFlavors**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getCurrentDataFlavors())()            get the available DataFlavors of the Transferable operand of this operation. |
| protected  [List](http://docs.google.com/java/util/List.html)<[DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)> | [**getCurrentDataFlavorsAsList**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getCurrentDataFlavorsAsList())()            This method returns a the currently available DataFlavors of the Transferable operand as a java.util.List. |
| [DropTarget](http://docs.google.com/java/awt/dnd/DropTarget.html) | [**getDropTarget**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getDropTarget())()            This method returns the DropTarget associated with this DropTargetContext. |
| protected  int | [**getTargetActions**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getTargetActions())()            This method returns an int representing the current actions this DropTarget will accept. |
| protected  [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) | [**getTransferable**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getTransferable())()            get the Transferable (proxy) operand of this operation |
| protected  boolean | [**isDataFlavorSupported**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#isDataFlavorSupported(java.awt.datatransfer.DataFlavor))([DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) df)            This method returns a boolean indicating if the given DataFlavor is supported by this DropTargetContext. |
| protected  void | [**rejectDrag**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#rejectDrag())()            reject the Drag. |
| protected  void | [**rejectDrop**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#rejectDrop())()            called to signal that the drop is unacceptable. |
| void | [**removeNotify**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#removeNotify())()            Called when disassociated with the DropTargetContextPeer. |
| protected  void | [**setTargetActions**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#setTargetActions(int))(int actions)            This method sets the current actions acceptable to this DropTarget. |

| **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()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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)) |

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

### getDropTarget

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

This method returns the DropTarget associated with this DropTargetContext.

**Returns:**the DropTarget associated with this DropTargetContext

### getComponent

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

This method returns the Component associated with this DropTargetContext.

**Returns:**the Component associated with this Context

### addNotify

public void **addNotify**(java.awt.dnd.peer.DropTargetContextPeer dtcp)

Called when associated with the DropTargetContextPeer.

**Parameters:**dtcp - the DropTargetContextPeer

### removeNotify

public void **removeNotify**()

Called when disassociated with the DropTargetContextPeer.

### setTargetActions

protected void **setTargetActions**(int actions)

This method sets the current actions acceptable to this DropTarget.

**Parameters:**actions - an int representing the supported action(s)

### getTargetActions

protected int **getTargetActions**()

This method returns an int representing the current actions this DropTarget will accept.

**Returns:**the current actions acceptable to this DropTarget

### dropComplete

public void **dropComplete**(boolean success)  
 throws [InvalidDnDOperationException](http://docs.google.com/java/awt/dnd/InvalidDnDOperationException.html)

This method signals that the drop is completed and if it was successful or not.

**Parameters:**success - true for success, false if not

**Throws:** [InvalidDnDOperationException](http://docs.google.com/java/awt/dnd/InvalidDnDOperationException.html) - if a drop is not outstanding/extant

### acceptDrag

protected void **acceptDrag**(int dragOperation)

accept the Drag.

**Parameters:**dragOperation - the supported action(s)

### rejectDrag

protected void **rejectDrag**()

reject the Drag.

### acceptDrop

protected void **acceptDrop**(int dropOperation)

called to signal that the drop is acceptable using the specified operation. must be called during DropTargetListener.drop method invocation.

**Parameters:**dropOperation - the supported action(s)

### rejectDrop

protected void **rejectDrop**()

called to signal that the drop is unacceptable. must be called during DropTargetListener.drop method invocation.

### getCurrentDataFlavors

protected [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)[] **getCurrentDataFlavors**()

get the available DataFlavors of the Transferable operand of this operation.

**Returns:**a DataFlavor[] containing the supported DataFlavors of the Transferable operand.

### getCurrentDataFlavorsAsList

protected [List](http://docs.google.com/java/util/List.html)<[DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)> **getCurrentDataFlavorsAsList**()

This method returns a the currently available DataFlavors of the Transferable operand as a java.util.List.

**Returns:**the currently available DataFlavors as a java.util.List

### isDataFlavorSupported

protected boolean **isDataFlavorSupported**([DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) df)

This method returns a boolean indicating if the given DataFlavor is supported by this DropTargetContext.

**Parameters:**df - the DataFlavor

**Returns:**if the DataFlavor specified is supported

### getTransferable

protected [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) **getTransferable**()  
 throws [InvalidDnDOperationException](http://docs.google.com/java/awt/dnd/InvalidDnDOperationException.html)

get the Transferable (proxy) operand of this operation

**Returns:**the Transferable **Throws:** [InvalidDnDOperationException](http://docs.google.com/java/awt/dnd/InvalidDnDOperationException.html) - if a drag is not outstanding/extant

### createTransferableProxy

protected [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) **createTransferableProxy**([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) t,  
 boolean local)

Creates a TransferableProxy to proxy for the specified Transferable.

**Parameters:**t - the Transferable to be proxiedlocal - true if t represents the result of a local drag-n-drop operation. **Returns:**the new TransferableProxy instance.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DropTargetContext.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/DropTargetAdapter.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/dnd/DropTargetContext.TransferableProxy.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/dnd/DropTargetContext.html)    [**NO FRAMES**](http://docs.google.com/DropTargetContext.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | CONSTR | [METHOD](#2et92p0) | DETAIL: FIELD | CONSTR | [METHOD](#3dy6vkm) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).