| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/UserDataHandler.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/org/w3c/dom/TypeInfo.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?org/w3c/dom/UserDataHandler.html)    [**NO FRAMES**](http://docs.google.com/UserDataHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#2et92p0) | DETAIL: [FIELD](#tyjcwt) | CONSTR | [METHOD](#3rdcrjn) |

## **org.w3c.dom**

Interface UserDataHandler

public interface **UserDataHandler**

When associating an object to a key on a node using Node.setUserData() the application can provide a handler that gets called when the node the object is associated to is being cloned, imported, or renamed. This can be used by the application to implement various behaviors regarding the data it associates to the DOM nodes. This interface defines that handler.

See also the [Document Object Model (DOM) Level 3 Core Specification](http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407).

**Since:** DOM Level 3

| **Field Summary** | |
| --- | --- |
| static short | [**NODE\_ADOPTED**](http://docs.google.com/org/w3c/dom/UserDataHandler.html#NODE_ADOPTED)            The node is adopted, using Document.adoptNode(). |
| static short | [**NODE\_CLONED**](http://docs.google.com/org/w3c/dom/UserDataHandler.html#NODE_CLONED)            The node is cloned, using Node.cloneNode(). |
| static short | [**NODE\_DELETED**](http://docs.google.com/org/w3c/dom/UserDataHandler.html#NODE_DELETED)            The node is deleted. |
| static short | [**NODE\_IMPORTED**](http://docs.google.com/org/w3c/dom/UserDataHandler.html#NODE_IMPORTED)            The node is imported, using Document.importNode(). |
| static short | [**NODE\_RENAMED**](http://docs.google.com/org/w3c/dom/UserDataHandler.html#NODE_RENAMED)            The node is renamed, using Document.renameNode(). |

| **Method Summary** | |
| --- | --- |
| void | [**handle**](http://docs.google.com/org/w3c/dom/UserDataHandler.html#handle(short,%20java.lang.String,%20java.lang.Object,%20org.w3c.dom.Node,%20org.w3c.dom.Node))(short operation, [String](http://docs.google.com/java/lang/String.html) key, [Object](http://docs.google.com/java/lang/Object.html) data, [Node](http://docs.google.com/org/w3c/dom/Node.html) src, [Node](http://docs.google.com/org/w3c/dom/Node.html) dst)            This method is called whenever the node for which this handler is registered is imported or cloned. |

| **Field Detail** |
| --- |

### NODE\_CLONED

static final short **NODE\_CLONED**

The node is cloned, using Node.cloneNode().

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.w3c.dom.UserDataHandler.NODE_CLONED)

### NODE\_IMPORTED

static final short **NODE\_IMPORTED**

The node is imported, using Document.importNode().

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.w3c.dom.UserDataHandler.NODE_IMPORTED)

### NODE\_DELETED

static final short **NODE\_DELETED**

The node is deleted.

**Note:** This may not be supported or may not be reliable in certain environments, such as Java, where the implementation has no real control over when objects are actually deleted.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.w3c.dom.UserDataHandler.NODE_DELETED)

### NODE\_RENAMED

static final short **NODE\_RENAMED**

The node is renamed, using Document.renameNode().

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.w3c.dom.UserDataHandler.NODE_RENAMED)

### NODE\_ADOPTED

static final short **NODE\_ADOPTED**

The node is adopted, using Document.adoptNode().

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.w3c.dom.UserDataHandler.NODE_ADOPTED)

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

### handle

void **handle**(short operation,  
 [String](http://docs.google.com/java/lang/String.html) key,  
 [Object](http://docs.google.com/java/lang/Object.html) data,  
 [Node](http://docs.google.com/org/w3c/dom/Node.html) src,  
 [Node](http://docs.google.com/org/w3c/dom/Node.html) dst)

This method is called whenever the node for which this handler is registered is imported or cloned.

DOM applications must not raise exceptions in a UserDataHandler. The effect of throwing exceptions from the handler is DOM implementation dependent.

**Parameters:**operation - Specifies the type of operation that is being performed on the node.key - Specifies the key for which this handler is being called.data - Specifies the data for which this handler is being called.src - Specifies the node being cloned, adopted, imported, or renamed. This is null when the node is being deleted.dst - Specifies the node newly created if any, or null.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/UserDataHandler.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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