| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MutationEvent.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/events/MouseEvent.html)   [**NEXT CLASS**](http://docs.google.com/org/w3c/dom/events/UIEvent.html) | [**FRAMES**](http://docs.google.com/index.html?org/w3c/dom/events/MutationEvent.html)    [**NO FRAMES**](http://docs.google.com/MutationEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | CONSTR | [METHOD](#3rdcrjn) |

## **org.w3c.dom.events**

Interface MutationEvent

**All Superinterfaces:** [Event](http://docs.google.com/org/w3c/dom/events/Event.html)

public interface **MutationEvent**extends [Event](http://docs.google.com/org/w3c/dom/events/Event.html)

The MutationEvent interface provides specific contextual information associated with Mutation events.

See also the [Document Object Model (DOM) Level 2 Events Specification](http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113).

**Since:** DOM Level 2

| **Field Summary** | |
| --- | --- |
| static short | [**ADDITION**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#ADDITION)            The Attr was just added. |
| static short | [**MODIFICATION**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#MODIFICATION)            The Attr was modified in place. |
| static short | [**REMOVAL**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#REMOVAL)            The Attr was just removed. |

| **Fields inherited from interface org.w3c.dom.events.**[**Event**](http://docs.google.com/org/w3c/dom/events/Event.html) |
| --- |
| [AT\_TARGET](http://docs.google.com/org/w3c/dom/events/Event.html#AT_TARGET), [BUBBLING\_PHASE](http://docs.google.com/org/w3c/dom/events/Event.html#BUBBLING_PHASE), [CAPTURING\_PHASE](http://docs.google.com/org/w3c/dom/events/Event.html#CAPTURING_PHASE) |

| **Method Summary** | |
| --- | --- |
| short | [**getAttrChange**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#getAttrChange())()            attrChange indicates the type of change which triggered the DOMAttrModified event. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAttrName**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#getAttrName())()            attrName indicates the name of the changed Attr node in a DOMAttrModified event. |
| [String](http://docs.google.com/java/lang/String.html) | [**getNewValue**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#getNewValue())()            newValue indicates the new value of the Attr node in DOMAttrModified events, and of the CharacterData node in DOMCharacterDataModified events. |
| [String](http://docs.google.com/java/lang/String.html) | [**getPrevValue**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#getPrevValue())()            prevValue indicates the previous value of the Attr node in DOMAttrModified events, and of the CharacterData node in DOMCharacterDataModified events. |
| [Node](http://docs.google.com/org/w3c/dom/Node.html) | [**getRelatedNode**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#getRelatedNode())()            relatedNode is used to identify a secondary node related to a mutation event. |
| void | [**initMutationEvent**](http://docs.google.com/org/w3c/dom/events/MutationEvent.html#initMutationEvent(java.lang.String,%20boolean,%20boolean,%20org.w3c.dom.Node,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20short))([String](http://docs.google.com/java/lang/String.html) typeArg, boolean canBubbleArg, boolean cancelableArg, [Node](http://docs.google.com/org/w3c/dom/Node.html) relatedNodeArg, [String](http://docs.google.com/java/lang/String.html) prevValueArg, [String](http://docs.google.com/java/lang/String.html) newValueArg, [String](http://docs.google.com/java/lang/String.html) attrNameArg, short attrChangeArg)            The initMutationEvent method is used to initialize the value of a MutationEvent created through the DocumentEvent interface. |

| **Methods inherited from interface org.w3c.dom.events.**[**Event**](http://docs.google.com/org/w3c/dom/events/Event.html) |
| --- |
| [getBubbles](http://docs.google.com/org/w3c/dom/events/Event.html#getBubbles()), [getCancelable](http://docs.google.com/org/w3c/dom/events/Event.html#getCancelable()), [getCurrentTarget](http://docs.google.com/org/w3c/dom/events/Event.html#getCurrentTarget()), [getEventPhase](http://docs.google.com/org/w3c/dom/events/Event.html#getEventPhase()), [getTarget](http://docs.google.com/org/w3c/dom/events/Event.html#getTarget()), [getTimeStamp](http://docs.google.com/org/w3c/dom/events/Event.html#getTimeStamp()), [getType](http://docs.google.com/org/w3c/dom/events/Event.html#getType()), [initEvent](http://docs.google.com/org/w3c/dom/events/Event.html#initEvent(java.lang.String,%20boolean,%20boolean)), [preventDefault](http://docs.google.com/org/w3c/dom/events/Event.html#preventDefault()), [stopPropagation](http://docs.google.com/org/w3c/dom/events/Event.html#stopPropagation()) |

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

### MODIFICATION

static final short **MODIFICATION**

The Attr was modified in place.

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

### ADDITION

static final short **ADDITION**

The Attr was just added.

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

### REMOVAL

static final short **REMOVAL**

The Attr was just removed.

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

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

### getRelatedNode

[Node](http://docs.google.com/org/w3c/dom/Node.html) **getRelatedNode**()

relatedNode is used to identify a secondary node related to a mutation event. For example, if a mutation event is dispatched to a node indicating that its parent has changed, the relatedNode is the changed parent. If an event is instead dispatched to a subtree indicating a node was changed within it, the relatedNode is the changed node. In the case of the DOMAttrModified event it indicates the Attr node which was modified, added, or removed.

### getPrevValue

[String](http://docs.google.com/java/lang/String.html) **getPrevValue**()

prevValue indicates the previous value of the Attr node in DOMAttrModified events, and of the CharacterData node in DOMCharacterDataModified events.

### getNewValue

[String](http://docs.google.com/java/lang/String.html) **getNewValue**()

newValue indicates the new value of the Attr node in DOMAttrModified events, and of the CharacterData node in DOMCharacterDataModified events.

### getAttrName

[String](http://docs.google.com/java/lang/String.html) **getAttrName**()

attrName indicates the name of the changed Attr node in a DOMAttrModified event.

### getAttrChange

short **getAttrChange**()

attrChange indicates the type of change which triggered the DOMAttrModified event. The values can be MODIFICATION , ADDITION, or REMOVAL.

### initMutationEvent

void **initMutationEvent**([String](http://docs.google.com/java/lang/String.html) typeArg,  
 boolean canBubbleArg,  
 boolean cancelableArg,  
 [Node](http://docs.google.com/org/w3c/dom/Node.html) relatedNodeArg,  
 [String](http://docs.google.com/java/lang/String.html) prevValueArg,  
 [String](http://docs.google.com/java/lang/String.html) newValueArg,  
 [String](http://docs.google.com/java/lang/String.html) attrNameArg,  
 short attrChangeArg)

The initMutationEvent method is used to initialize the value of a MutationEvent created through the DocumentEvent interface. This method may only be called before the MutationEvent has been dispatched via the dispatchEvent method, though it may be called multiple times during that phase if necessary. If called multiple times, the final invocation takes precedence.

**Parameters:**typeArg - Specifies the event type.canBubbleArg - Specifies whether or not the event can bubble.cancelableArg - Specifies whether or not the event's default action can be prevented.relatedNodeArg - Specifies the Event's related Node.prevValueArg - Specifies the Event's prevValue attribute. This value may be null.newValueArg - Specifies the Event's newValue attribute. This value may be null.attrNameArg - Specifies the Event's attrName attribute. This value may be null.attrChangeArg - Specifies the Event's attrChange attribute

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MutationEvent.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/events/MouseEvent.html)   [**NEXT CLASS**](http://docs.google.com/org/w3c/dom/events/UIEvent.html) | [**FRAMES**](http://docs.google.com/index.html?org/w3c/dom/events/MutationEvent.html)    [**NO FRAMES**](http://docs.google.com/MutationEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | CONSTR | [METHOD](#3rdcrjn) |

[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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