| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ModificationItem.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/javax/naming/directory/InvalidSearchFilterException.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/directory/NoSuchAttributeException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/directory/ModificationItem.html)    [**NO FRAMES**](http://docs.google.com/ModificationItem.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.naming.directory**

Class ModificationItem

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.naming.directory.ModificationItem**

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

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

This class represents a modification item. It consists of a modification code and an attribute on which to operate.

A ModificationItem instance is not synchronized against concurrent multithreaded access. Multiple threads trying to access and modify a single ModificationItem instance should lock the object.

**Since:** 1.3 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.naming.directory.ModificationItem)

| **Constructor Summary** | |
| --- | --- |
| [**ModificationItem**](http://docs.google.com/javax/naming/directory/ModificationItem.html#ModificationItem(int,%20javax.naming.directory.Attribute))(int mod\_op, [Attribute](http://docs.google.com/javax/naming/directory/Attribute.html) attr)            Creates a new instance of ModificationItem. |

| **Method Summary** | |
| --- | --- |
| [Attribute](http://docs.google.com/javax/naming/directory/Attribute.html) | [**getAttribute**](http://docs.google.com/javax/naming/directory/ModificationItem.html#getAttribute())()            Retrieves the attribute associated with this modification item. |
| int | [**getModificationOp**](http://docs.google.com/javax/naming/directory/ModificationItem.html#getModificationOp())()            Retrieves the modification code of this modification item. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/naming/directory/ModificationItem.html#toString())()            Generates the string representation of this modification item, which consists of the modification operation and its related attribute. |

| **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()), [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)) |

| **Constructor Detail** |
| --- |

### ModificationItem

public **ModificationItem**(int mod\_op,  
 [Attribute](http://docs.google.com/javax/naming/directory/Attribute.html) attr)

Creates a new instance of ModificationItem.

**Parameters:**mod\_op - Modification to apply. It must be one of: DirContext.ADD\_ATTRIBUTE DirContext.REPLACE\_ATTRIBUTE DirContext.REMOVE\_ATTRIBUTEattr - The non-null attribute to use for modification. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - If attr is null, or if mod\_op is not one of the ones specified above.

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

### getModificationOp

public int **getModificationOp**()

Retrieves the modification code of this modification item.

**Returns:**The modification code. It is one of: DirContext.ADD\_ATTRIBUTE DirContext.REPLACE\_ATTRIBUTE DirContext.REMOVE\_ATTRIBUTE

### getAttribute

public [Attribute](http://docs.google.com/javax/naming/directory/Attribute.html) **getAttribute**()

Retrieves the attribute associated with this modification item.

**Returns:**The non-null attribute to use for the modification.

### toString

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

Generates the string representation of this modification item, which consists of the modification operation and its related attribute. The string representation is meant for debugging and not to be interpreted programmatically.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**The non-null string representation of this modification item.

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