| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AttributeModificationException.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/AttributeInUseException.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/directory/Attributes.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/directory/AttributeModificationException.html)    [**NO FRAMES**](http://docs.google.com/AttributeModificationException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#17dp8vu) | [METHOD](#lnxbz9) |

## **javax.naming.directory**

Class AttributeModificationException

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.Throwable](http://docs.google.com/java/lang/Throwable.html)  
 [java.lang.Exception](http://docs.google.com/java/lang/Exception.html)  
 [javax.naming.NamingException](http://docs.google.com/javax/naming/NamingException.html)  
 **javax.naming.directory.AttributeModificationException**

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

public class **AttributeModificationException**extends [NamingException](http://docs.google.com/javax/naming/NamingException.html)

This exception is thrown when an attempt is made to add, or remove, or modify an attribute, its identifier, or its values that conflicts with the attribute's (schema) definition or the attribute's state. It is thrown in response to DirContext.modifyAttributes(). It contains a list of modifications that have not been performed, in the order that they were supplied to modifyAttributes(). If the list is null, none of the modifications were performed successfully.

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

**Since:** 1.3 **See Also:**[DirContext.modifyAttributes(javax.naming.Name, int, javax.naming.directory.Attributes)](http://docs.google.com/javax/naming/directory/DirContext.html#modifyAttributes(javax.naming.Name,%20int,%20javax.naming.directory.Attributes)), [Serialized Form](http://docs.google.com/serialized-form.html#javax.naming.directory.AttributeModificationException)

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.naming.**[**NamingException**](http://docs.google.com/javax/naming/NamingException.html) |
| --- |
| [remainingName](http://docs.google.com/javax/naming/NamingException.html#remainingName), [resolvedName](http://docs.google.com/javax/naming/NamingException.html#resolvedName), [resolvedObj](http://docs.google.com/javax/naming/NamingException.html#resolvedObj), [rootException](http://docs.google.com/javax/naming/NamingException.html#rootException) |

| **Constructor Summary** | |
| --- | --- |
| [**AttributeModificationException**](http://docs.google.com/javax/naming/directory/AttributeModificationException.html#AttributeModificationException())()            Constructs a new instance of AttributeModificationException. |
| [**AttributeModificationException**](http://docs.google.com/javax/naming/directory/AttributeModificationException.html#AttributeModificationException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) explanation)            Constructs a new instance of AttributeModificationException using an explanation. |

| **Method Summary** | |
| --- | --- |
| [ModificationItem](http://docs.google.com/javax/naming/directory/ModificationItem.html)[] | [**getUnexecutedModifications**](http://docs.google.com/javax/naming/directory/AttributeModificationException.html#getUnexecutedModifications())()            Retrieves the unexecuted modification list. |
| void | [**setUnexecutedModifications**](http://docs.google.com/javax/naming/directory/AttributeModificationException.html#setUnexecutedModifications(javax.naming.directory.ModificationItem%5B%5D))([ModificationItem](http://docs.google.com/javax/naming/directory/ModificationItem.html)[] e)            Sets the unexecuted modification list to be e. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/naming/directory/AttributeModificationException.html#toString())()            The string representation of this exception consists of information about where the error occurred, and the first unexecuted modification. |

| **Methods inherited from class javax.naming.**[**NamingException**](http://docs.google.com/javax/naming/NamingException.html) |
| --- |
| [appendRemainingComponent](http://docs.google.com/javax/naming/NamingException.html#appendRemainingComponent(java.lang.String)), [appendRemainingName](http://docs.google.com/javax/naming/NamingException.html#appendRemainingName(javax.naming.Name)), [getCause](http://docs.google.com/javax/naming/NamingException.html#getCause()), [getExplanation](http://docs.google.com/javax/naming/NamingException.html#getExplanation()), [getRemainingName](http://docs.google.com/javax/naming/NamingException.html#getRemainingName()), [getResolvedName](http://docs.google.com/javax/naming/NamingException.html#getResolvedName()), [getResolvedObj](http://docs.google.com/javax/naming/NamingException.html#getResolvedObj()), [getRootCause](http://docs.google.com/javax/naming/NamingException.html#getRootCause()), [initCause](http://docs.google.com/javax/naming/NamingException.html#initCause(java.lang.Throwable)), [setRemainingName](http://docs.google.com/javax/naming/NamingException.html#setRemainingName(javax.naming.Name)), [setResolvedName](http://docs.google.com/javax/naming/NamingException.html#setResolvedName(javax.naming.Name)), [setResolvedObj](http://docs.google.com/javax/naming/NamingException.html#setResolvedObj(java.lang.Object)), [setRootCause](http://docs.google.com/javax/naming/NamingException.html#setRootCause(java.lang.Throwable)), [toString](http://docs.google.com/javax/naming/NamingException.html#toString(boolean)) |

| **Methods inherited from class java.lang.**[**Throwable**](http://docs.google.com/java/lang/Throwable.html) |
| --- |
| [fillInStackTrace](http://docs.google.com/java/lang/Throwable.html#fillInStackTrace()), [getLocalizedMessage](http://docs.google.com/java/lang/Throwable.html#getLocalizedMessage()), [getMessage](http://docs.google.com/java/lang/Throwable.html#getMessage()), [getStackTrace](http://docs.google.com/java/lang/Throwable.html#getStackTrace()), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace()), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintStream)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintWriter)), [setStackTrace](http://docs.google.com/java/lang/Throwable.html#setStackTrace(java.lang.StackTraceElement%5B%5D)) |

| **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** |
| --- |

### AttributeModificationException

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

Constructs a new instance of AttributeModificationException using an explanation. All other fields are set to null.

**Parameters:**explanation - Possibly null additional detail about this exception. If null, this exception has no detail message.**See Also:**[Throwable.getMessage()](http://docs.google.com/java/lang/Throwable.html#getMessage())

### AttributeModificationException

public **AttributeModificationException**()

Constructs a new instance of AttributeModificationException. All fields are set to null.

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

### setUnexecutedModifications

public void **setUnexecutedModifications**([ModificationItem](http://docs.google.com/javax/naming/directory/ModificationItem.html)[] e)

Sets the unexecuted modification list to be e. Items in the list must appear in the same order in which they were originally supplied in DirContext.modifyAttributes(). The first item in the list is the first one that was not executed. If this list is null, none of the operations originally submitted to modifyAttributes() were executed.

**Parameters:**e - The possibly null list of unexecuted modifications.**See Also:**[getUnexecutedModifications()](http://docs.google.com/javax/naming/directory/AttributeModificationException.html#getUnexecutedModifications())

### getUnexecutedModifications

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

Retrieves the unexecuted modification list. Items in the list appear in the same order in which they were originally supplied in DirContext.modifyAttributes(). The first item in the list is the first one that was not executed. If this list is null, none of the operations originally submitted to modifyAttributes() were executed.

**Returns:**The possibly null unexecuted modification list.**See Also:**[setUnexecutedModifications(javax.naming.directory.ModificationItem[])](http://docs.google.com/javax/naming/directory/AttributeModificationException.html#setUnexecutedModifications(javax.naming.directory.ModificationItem%5B%5D))

### toString

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

The string representation of this exception consists of information about where the error occurred, and the first unexecuted modification. This string is meant for debugging and not mean to be interpreted programmatically.

**Overrides:**[toString](http://docs.google.com/javax/naming/NamingException.html#toString()) in class [NamingException](http://docs.google.com/javax/naming/NamingException.html) **Returns:**The non-null string representation of this exception.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AttributeModificationException.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/AttributeInUseException.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/directory/Attributes.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/directory/AttributeModificationException.html)    [**NO FRAMES**](http://docs.google.com/AttributeModificationException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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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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