| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CannotProceedException.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/Binding.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/CommunicationException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/CannotProceedException.html)    [**NO FRAMES**](http://docs.google.com/CannotProceedException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#1ksv4uv) | [METHOD](#z337ya) |

## **javax.naming**

Class CannotProceedException

[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.CannotProceedException**

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

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

This exception is thrown to indicate that the operation reached a point in the name where the operation cannot proceed any further. When performing an operation on a composite name, a naming service provider may reach a part of the name that does not belong to its namespace. At that point, it can construct a CannotProceedException and then invoke methods provided by javax.naming.spi.NamingManager (such as getContinuationContext()) to locate another provider to continue the operation. If this is not possible, this exception is raised to the caller of the context operation.

If the program wants to handle this exception in particular, it should catch CannotProceedException explicitly before attempting to catch NamingException.

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

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

| **Field Summary** | |
| --- | --- |
| protected  [Name](http://docs.google.com/javax/naming/Name.html) | [**altName**](http://docs.google.com/javax/naming/CannotProceedException.html#altName)            Contains the name of the resolved object, relative to the context altNameCtx. |
| protected  [Context](http://docs.google.com/javax/naming/Context.html) | [**altNameCtx**](http://docs.google.com/javax/naming/CannotProceedException.html#altNameCtx)            Contains the context relative to which altName is specified. |
| protected  [Hashtable](http://docs.google.com/java/util/Hashtable.html)<?,?> | [**environment**](http://docs.google.com/javax/naming/CannotProceedException.html#environment)            Contains the environment relevant for the Context or DirContext method that cannot proceed. |
| protected  [Name](http://docs.google.com/javax/naming/Name.html) | [**remainingNewName**](http://docs.google.com/javax/naming/CannotProceedException.html#remainingNewName)            Contains the remaining unresolved part of the second "name" argument to Context.rename(). |

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

| **Method Summary** | |
| --- | --- |
| [Name](http://docs.google.com/javax/naming/Name.html) | [**getAltName**](http://docs.google.com/javax/naming/CannotProceedException.html#getAltName())()            Retrieves the altName field of this exception. |
| [Context](http://docs.google.com/javax/naming/Context.html) | [**getAltNameCtx**](http://docs.google.com/javax/naming/CannotProceedException.html#getAltNameCtx())()            Retrieves the altNameCtx field of this exception. |
| [Hashtable](http://docs.google.com/java/util/Hashtable.html)<?,?> | [**getEnvironment**](http://docs.google.com/javax/naming/CannotProceedException.html#getEnvironment())()            Retrieves the environment that was in effect when this exception was created. |
| [Name](http://docs.google.com/javax/naming/Name.html) | [**getRemainingNewName**](http://docs.google.com/javax/naming/CannotProceedException.html#getRemainingNewName())()            Retrieves the "remaining new name" field of this exception, which is used when this exception is thrown during a rename() operation. |
| void | [**setAltName**](http://docs.google.com/javax/naming/CannotProceedException.html#setAltName(javax.naming.Name))([Name](http://docs.google.com/javax/naming/Name.html) altName)            Sets the altName field of this exception. |
| void | [**setAltNameCtx**](http://docs.google.com/javax/naming/CannotProceedException.html#setAltNameCtx(javax.naming.Context))([Context](http://docs.google.com/javax/naming/Context.html) altNameCtx)            Sets the altNameCtx field of this exception. |
| void | [**setEnvironment**](http://docs.google.com/javax/naming/CannotProceedException.html#setEnvironment(java.util.Hashtable))([Hashtable](http://docs.google.com/java/util/Hashtable.html)<?,?> environment)            Sets the environment that will be returned when getEnvironment() is called. |
| void | [**setRemainingNewName**](http://docs.google.com/javax/naming/CannotProceedException.html#setRemainingNewName(javax.naming.Name))([Name](http://docs.google.com/javax/naming/Name.html) newName)            Sets the "remaining new name" field of this exception. |

| **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()), [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)) |

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

### remainingNewName

protected [Name](http://docs.google.com/javax/naming/Name.html) **remainingNewName**

Contains the remaining unresolved part of the second "name" argument to Context.rename(). This information necessary for continuing the Context.rename() operation.

This field is initialized to null. It should not be manipulated directly: it should be accessed and updated using getRemainingName() and setRemainingName().

**See Also:**[getRemainingNewName()](http://docs.google.com/javax/naming/CannotProceedException.html#getRemainingNewName()), [setRemainingNewName(javax.naming.Name)](http://docs.google.com/javax/naming/CannotProceedException.html#setRemainingNewName(javax.naming.Name))

### environment

protected [Hashtable](http://docs.google.com/java/util/Hashtable.html)<?,?> **environment**

Contains the environment relevant for the Context or DirContext method that cannot proceed.

This field is initialized to null. It should not be manipulated directly: it should be accessed and updated using getEnvironment() and setEnvironment().

**See Also:**[getEnvironment()](http://docs.google.com/javax/naming/CannotProceedException.html#getEnvironment()), [setEnvironment(java.util.Hashtable)](http://docs.google.com/javax/naming/CannotProceedException.html#setEnvironment(java.util.Hashtable))

### altName

protected [Name](http://docs.google.com/javax/naming/Name.html) **altName**

Contains the name of the resolved object, relative to the context altNameCtx. It is a composite name. If null, then no name is specified. See the javax.naming.spi.ObjectFactory.getObjectInstance method for details on how this is used.

This field is initialized to null. It should not be manipulated directly: it should be accessed and updated using getAltName() and setAltName().

**See Also:**[getAltName()](http://docs.google.com/javax/naming/CannotProceedException.html#getAltName()), [setAltName(javax.naming.Name)](http://docs.google.com/javax/naming/CannotProceedException.html#setAltName(javax.naming.Name)), [altNameCtx](http://docs.google.com/javax/naming/CannotProceedException.html#altNameCtx), [ObjectFactory.getObjectInstance(java.lang.Object, javax.naming.Name, javax.naming.Context, java.util.Hashtable)](http://docs.google.com/javax/naming/spi/ObjectFactory.html#getObjectInstance(java.lang.Object,%20javax.naming.Name,%20javax.naming.Context,%20java.util.Hashtable))

### altNameCtx

protected [Context](http://docs.google.com/javax/naming/Context.html) **altNameCtx**

Contains the context relative to which altName is specified. If null, then the default initial context is implied. See the javax.naming.spi.ObjectFactory.getObjectInstance method for details on how this is used.

This field is initialized to null. It should not be manipulated directly: it should be accessed and updated using getAltNameCtx() and setAltNameCtx().

**See Also:**[getAltNameCtx()](http://docs.google.com/javax/naming/CannotProceedException.html#getAltNameCtx()), [setAltNameCtx(javax.naming.Context)](http://docs.google.com/javax/naming/CannotProceedException.html#setAltNameCtx(javax.naming.Context)), [altName](http://docs.google.com/javax/naming/CannotProceedException.html#altName), [ObjectFactory.getObjectInstance(java.lang.Object, javax.naming.Name, javax.naming.Context, java.util.Hashtable)](http://docs.google.com/javax/naming/spi/ObjectFactory.html#getObjectInstance(java.lang.Object,%20javax.naming.Name,%20javax.naming.Context,%20java.util.Hashtable))

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

### CannotProceedException

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

Constructs a new instance of CannotProceedException using an explanation. All unspecified fields default to null.

**Parameters:**explanation - A possibly null string containing 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())

### CannotProceedException

public **CannotProceedException**()

Constructs a new instance of CannotProceedException. All fields default to null.

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

### getEnvironment

public [Hashtable](http://docs.google.com/java/util/Hashtable.html)<?,?> **getEnvironment**()

Retrieves the environment that was in effect when this exception was created.

**Returns:**Possibly null environment property set. null means no environment was recorded for this exception.**See Also:**[setEnvironment(java.util.Hashtable)](http://docs.google.com/javax/naming/CannotProceedException.html#setEnvironment(java.util.Hashtable))

### setEnvironment

public void **setEnvironment**([Hashtable](http://docs.google.com/java/util/Hashtable.html)<?,?> environment)

Sets the environment that will be returned when getEnvironment() is called.

**Parameters:**environment - A possibly null environment property set. null means no environment is being recorded for this exception.**See Also:**[getEnvironment()](http://docs.google.com/javax/naming/CannotProceedException.html#getEnvironment())

### getRemainingNewName

public [Name](http://docs.google.com/javax/naming/Name.html) **getRemainingNewName**()

Retrieves the "remaining new name" field of this exception, which is used when this exception is thrown during a rename() operation.

**Returns:**The possibly null part of the new name that has not been resolved. It is a composite name. It can be null, which means the remaining new name field has not been set.**See Also:**[setRemainingNewName(javax.naming.Name)](http://docs.google.com/javax/naming/CannotProceedException.html#setRemainingNewName(javax.naming.Name))

### setRemainingNewName

public void **setRemainingNewName**([Name](http://docs.google.com/javax/naming/Name.html) newName)

Sets the "remaining new name" field of this exception. This is the value returned by getRemainingNewName().

newName is a composite name. If the intent is to set this field using a compound name or string, you must "stringify" the compound name, and create a composite name with a single component using the string. You can then invoke this method using the resulting composite name.

A copy of newName is made and stored. Subsequent changes to name does not affect the copy in this NamingException and vice versa.

**Parameters:**newName - The possibly null name to set the "remaining new name" to. If null, it sets the remaining name field to null.**See Also:**[getRemainingNewName()](http://docs.google.com/javax/naming/CannotProceedException.html#getRemainingNewName())

### getAltName

public [Name](http://docs.google.com/javax/naming/Name.html) **getAltName**()

Retrieves the altName field of this exception. This is the name of the resolved object, relative to the context altNameCtx. It will be used during a subsequent call to the javax.naming.spi.ObjectFactory.getObjectInstance method.

**Returns:**The name of the resolved object, relative to altNameCtx. It is a composite name. If null, then no name is specified.**See Also:**[setAltName(javax.naming.Name)](http://docs.google.com/javax/naming/CannotProceedException.html#setAltName(javax.naming.Name)), [getAltNameCtx()](http://docs.google.com/javax/naming/CannotProceedException.html#getAltNameCtx()), [ObjectFactory.getObjectInstance(java.lang.Object, javax.naming.Name, javax.naming.Context, java.util.Hashtable)](http://docs.google.com/javax/naming/spi/ObjectFactory.html#getObjectInstance(java.lang.Object,%20javax.naming.Name,%20javax.naming.Context,%20java.util.Hashtable))

### setAltName

public void **setAltName**([Name](http://docs.google.com/javax/naming/Name.html) altName)

Sets the altName field of this exception.

**Parameters:**altName - The name of the resolved object, relative to altNameCtx. It is a composite name. If null, then no name is specified.**See Also:**[getAltName()](http://docs.google.com/javax/naming/CannotProceedException.html#getAltName()), [setAltNameCtx(javax.naming.Context)](http://docs.google.com/javax/naming/CannotProceedException.html#setAltNameCtx(javax.naming.Context))

### getAltNameCtx

public [Context](http://docs.google.com/javax/naming/Context.html) **getAltNameCtx**()

Retrieves the altNameCtx field of this exception. This is the context relative to which altName is named. It will be used during a subsequent call to the javax.naming.spi.ObjectFactory.getObjectInstance method.

**Returns:**The context relative to which altName is named. If null, then the default initial context is implied.**See Also:**[setAltNameCtx(javax.naming.Context)](http://docs.google.com/javax/naming/CannotProceedException.html#setAltNameCtx(javax.naming.Context)), [getAltName()](http://docs.google.com/javax/naming/CannotProceedException.html#getAltName()), [ObjectFactory.getObjectInstance(java.lang.Object, javax.naming.Name, javax.naming.Context, java.util.Hashtable)](http://docs.google.com/javax/naming/spi/ObjectFactory.html#getObjectInstance(java.lang.Object,%20javax.naming.Name,%20javax.naming.Context,%20java.util.Hashtable))

### setAltNameCtx

public void **setAltNameCtx**([Context](http://docs.google.com/javax/naming/Context.html) altNameCtx)

Sets the altNameCtx field of this exception.

**Parameters:**altNameCtx - The context relative to which altName is named. If null, then the default initial context is implied.**See Also:**[getAltNameCtx()](http://docs.google.com/javax/naming/CannotProceedException.html#getAltNameCtx()), [setAltName(javax.naming.Name)](http://docs.google.com/javax/naming/CannotProceedException.html#setAltName(javax.naming.Name))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CannotProceedException.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/Binding.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/CommunicationException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/CannotProceedException.html)    [**NO FRAMES**](http://docs.google.com/CannotProceedException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#1ksv4uv) | [METHOD](#z337ya) |

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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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