| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ConfirmationCallback.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/security/auth/callback/ChoiceCallback.html)   [**NEXT CLASS**](http://docs.google.com/javax/security/auth/callback/LanguageCallback.html) | [**FRAMES**](http://docs.google.com/index.html?javax/security/auth/callback/ConfirmationCallback.html)    [**NO FRAMES**](http://docs.google.com/ConfirmationCallback.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#3j2qqm3) | [METHOD](#3whwml4) |

## **javax.security.auth.callback**

Class ConfirmationCallback

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.security.auth.callback.ConfirmationCallback**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Callback](http://docs.google.com/javax/security/auth/callback/Callback.html)

public class **ConfirmationCallback**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Callback](http://docs.google.com/javax/security/auth/callback/Callback.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

Underlying security services instantiate and pass a ConfirmationCallback to the handle method of a CallbackHandler to ask for YES/NO, OK/CANCEL, YES/NO/CANCEL or other similar confirmations.

**See Also:**[CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html), [Serialized Form](http://docs.google.com/serialized-form.html#javax.security.auth.callback.ConfirmationCallback)

| **Field Summary** | |
| --- | --- |
| static int | [**CANCEL**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#CANCEL)            CANCEL option. |
| static int | [**ERROR**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#ERROR)            ERROR message type. |
| static int | [**INFORMATION**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#INFORMATION)            INFORMATION message type. |
| static int | [**NO**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#NO)            NO option. |
| static int | [**OK**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#OK)            OK option. |
| static int | [**OK\_CANCEL\_OPTION**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#OK_CANCEL_OPTION)            OK/CANCEL confirmation confirmation option. |
| static int | [**UNSPECIFIED\_OPTION**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#UNSPECIFIED_OPTION)            Unspecified option type. |
| static int | [**WARNING**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#WARNING)            WARNING message type. |
| static int | [**YES**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#YES)            YES option. |
| static int | [**YES\_NO\_CANCEL\_OPTION**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#YES_NO_CANCEL_OPTION)            YES/NO/CANCEL confirmation confirmation option. |
| static int | [**YES\_NO\_OPTION**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#YES_NO_OPTION)            YES/NO confirmation option. |

| **Constructor Summary** | |
| --- | --- |
| [**ConfirmationCallback**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#ConfirmationCallback(int,%20int,%20int))(int messageType, int optionType, int defaultOption)            Construct a ConfirmationCallback with a message type, an option type and a default option. |
| [**ConfirmationCallback**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#ConfirmationCallback(int,%20java.lang.String%5B%5D,%20int))(int messageType, [String](http://docs.google.com/java/lang/String.html)[] options, int defaultOption)            Construct a ConfirmationCallback with a message type, a list of options and a default option. |
| [**ConfirmationCallback**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#ConfirmationCallback(java.lang.String,%20int,%20int,%20int))([String](http://docs.google.com/java/lang/String.html) prompt, int messageType, int optionType, int defaultOption)            Construct a ConfirmationCallback with a prompt, message type, an option type and a default option. |
| [**ConfirmationCallback**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#ConfirmationCallback(java.lang.String,%20int,%20java.lang.String%5B%5D,%20int))([String](http://docs.google.com/java/lang/String.html) prompt, int messageType, [String](http://docs.google.com/java/lang/String.html)[] options, int defaultOption)            Construct a ConfirmationCallback with a prompt, message type, a list of options and a default option. |

| **Method Summary** | |
| --- | --- |
| int | [**getDefaultOption**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#getDefaultOption())()            Get the default option. |
| int | [**getMessageType**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#getMessageType())()            Get the message type. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getOptions**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#getOptions())()            Get the confirmation options. |
| int | [**getOptionType**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#getOptionType())()            Get the option type. |
| [String](http://docs.google.com/java/lang/String.html) | [**getPrompt**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#getPrompt())()            Get the prompt. |
| int | [**getSelectedIndex**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#getSelectedIndex())()            Get the selected confirmation option. |
| void | [**setSelectedIndex**](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#setSelectedIndex(int))(int selection)            Set the selected confirmation option. |

| **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()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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** |
| --- |

### UNSPECIFIED\_OPTION

public static final int **UNSPECIFIED\_OPTION**

Unspecified option type.

The getOptionType method returns this value if this ConfirmationCallback was instantiated with options instead of an optionType.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.UNSPECIFIED_OPTION)

### YES\_NO\_OPTION

public static final int **YES\_NO\_OPTION**

YES/NO confirmation option.

An underlying security service specifies this as the optionType to a ConfirmationCallback constructor if it requires a confirmation which can be answered with either YES or NO.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.YES_NO_OPTION)

### YES\_NO\_CANCEL\_OPTION

public static final int **YES\_NO\_CANCEL\_OPTION**

YES/NO/CANCEL confirmation confirmation option.

An underlying security service specifies this as the optionType to a ConfirmationCallback constructor if it requires a confirmation which can be answered with either YES, NO or CANCEL.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.YES_NO_CANCEL_OPTION)

### OK\_CANCEL\_OPTION

public static final int **OK\_CANCEL\_OPTION**

OK/CANCEL confirmation confirmation option.

An underlying security service specifies this as the optionType to a ConfirmationCallback constructor if it requires a confirmation which can be answered with either OK or CANCEL.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.OK_CANCEL_OPTION)

### YES

public static final int **YES**

YES option.

If an optionType was specified to this ConfirmationCallback, this option may be specified as a defaultOption or returned as the selected index.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.YES)

### NO

public static final int **NO**

NO option.

If an optionType was specified to this ConfirmationCallback, this option may be specified as a defaultOption or returned as the selected index.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.NO)

### CANCEL

public static final int **CANCEL**

CANCEL option.

If an optionType was specified to this ConfirmationCallback, this option may be specified as a defaultOption or returned as the selected index.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.CANCEL)

### OK

public static final int **OK**

OK option.

If an optionType was specified to this ConfirmationCallback, this option may be specified as a defaultOption or returned as the selected index.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.OK)

### INFORMATION

public static final int **INFORMATION**

INFORMATION message type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.INFORMATION)

### WARNING

public static final int **WARNING**

WARNING message type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.WARNING)

### ERROR

public static final int **ERROR**

ERROR message type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.security.auth.callback.ConfirmationCallback.ERROR)

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

### ConfirmationCallback

public **ConfirmationCallback**(int messageType,  
 int optionType,  
 int defaultOption)

Construct a ConfirmationCallback with a message type, an option type and a default option.

Underlying security services use this constructor if they require either a YES/NO, YES/NO/CANCEL or OK/CANCEL confirmation.

**Parameters:**messageType - the message type (INFORMATION, WARNING or ERROR).

optionType - the option type (YES\_NO\_OPTION, YES\_NO\_CANCEL\_OPTION or OK\_CANCEL\_OPTION).

defaultOption - the default option from the provided optionType (YES, NO, CANCEL or OK). **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if messageType is not either INFORMATION, WARNING, or ERROR, if optionType is not either YES\_NO\_OPTION, YES\_NO\_CANCEL\_OPTION, or OK\_CANCEL\_OPTION, or if defaultOption does not correspond to one of the options in optionType.

### ConfirmationCallback

public **ConfirmationCallback**(int messageType,  
 [String](http://docs.google.com/java/lang/String.html)[] options,  
 int defaultOption)

Construct a ConfirmationCallback with a message type, a list of options and a default option.

Underlying security services use this constructor if they require a confirmation different from the available preset confirmations provided (for example, CONTINUE/ABORT or STOP/GO). The confirmation options are listed in the options array, and are displayed by the CallbackHandler implementation in a manner consistent with the way preset options are displayed.

**Parameters:**messageType - the message type (INFORMATION, WARNING or ERROR).

options - the list of confirmation options.

defaultOption - the default option, represented as an index into the options array. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if messageType is not either INFORMATION, WARNING, or ERROR, if options is null, if options has a length of 0, if any element from options is null, if any element from options has a length of 0, or if defaultOption does not lie within the array boundaries of options.

### ConfirmationCallback

public **ConfirmationCallback**([String](http://docs.google.com/java/lang/String.html) prompt,  
 int messageType,  
 int optionType,  
 int defaultOption)

Construct a ConfirmationCallback with a prompt, message type, an option type and a default option.

Underlying security services use this constructor if they require either a YES/NO, YES/NO/CANCEL or OK/CANCEL confirmation.

**Parameters:**prompt - the prompt used to describe the list of options.

messageType - the message type (INFORMATION, WARNING or ERROR).

optionType - the option type (YES\_NO\_OPTION, YES\_NO\_CANCEL\_OPTION or OK\_CANCEL\_OPTION).

defaultOption - the default option from the provided optionType (YES, NO, CANCEL or OK). **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if prompt is null, if prompt has a length of 0, if messageType is not either INFORMATION, WARNING, or ERROR, if optionType is not either YES\_NO\_OPTION, YES\_NO\_CANCEL\_OPTION, or OK\_CANCEL\_OPTION, or if defaultOption does not correspond to one of the options in optionType.

### ConfirmationCallback

public **ConfirmationCallback**([String](http://docs.google.com/java/lang/String.html) prompt,  
 int messageType,  
 [String](http://docs.google.com/java/lang/String.html)[] options,  
 int defaultOption)

Construct a ConfirmationCallback with a prompt, message type, a list of options and a default option.

Underlying security services use this constructor if they require a confirmation different from the available preset confirmations provided (for example, CONTINUE/ABORT or STOP/GO). The confirmation options are listed in the options array, and are displayed by the CallbackHandler implementation in a manner consistent with the way preset options are displayed.

**Parameters:**prompt - the prompt used to describe the list of options.

messageType - the message type (INFORMATION, WARNING or ERROR).

options - the list of confirmation options.

defaultOption - the default option, represented as an index into the options array. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if prompt is null, if prompt has a length of 0, if messageType is not either INFORMATION, WARNING, or ERROR, if options is null, if options has a length of 0, if any element from options is null, if any element from options has a length of 0, or if defaultOption does not lie within the array boundaries of options.

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

### getPrompt

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

Get the prompt.

**Returns:**the prompt, or null if this ConfirmationCallback was instantiated without a prompt.

### getMessageType

public int **getMessageType**()

Get the message type.

**Returns:**the message type (INFORMATION, WARNING or ERROR).

### getOptionType

public int **getOptionType**()

Get the option type.

If this method returns UNSPECIFIED\_OPTION, then this ConfirmationCallback was instantiated with options instead of an optionType. In this case, invoke the getOptions method to determine which confirmation options to display.

**Returns:**the option type (YES\_NO\_OPTION, YES\_NO\_CANCEL\_OPTION or OK\_CANCEL\_OPTION), or UNSPECIFIED\_OPTION if this ConfirmationCallback was instantiated with options instead of an optionType.

### getOptions

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

Get the confirmation options.

**Returns:**the list of confirmation options, or null if this ConfirmationCallback was instantiated with an optionType instead of options.

### getDefaultOption

public int **getDefaultOption**()

Get the default option.

**Returns:**the default option, represented as YES, NO, OK or CANCEL if an optionType was specified to the constructor of this ConfirmationCallback. Otherwise, this method returns the default option as an index into the options array specified to the constructor of this ConfirmationCallback.

### setSelectedIndex

public void **setSelectedIndex**(int selection)

Set the selected confirmation option.

**Parameters:**selection - the selection represented as YES, NO, OK or CANCEL if an optionType was specified to the constructor of this ConfirmationCallback. Otherwise, the selection represents the index into the options array specified to the constructor of this ConfirmationCallback.**See Also:**[getSelectedIndex()](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#getSelectedIndex())

### getSelectedIndex

public int **getSelectedIndex**()

Get the selected confirmation option.

**Returns:**the selected confirmation option represented as YES, NO, OK or CANCEL if an optionType was specified to the constructor of this ConfirmationCallback. Otherwise, this method returns the selected confirmation option as an index into the options array specified to the constructor of this ConfirmationCallback.**See Also:**[setSelectedIndex(int)](http://docs.google.com/javax/security/auth/callback/ConfirmationCallback.html#setSelectedIndex(int))

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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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