| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/GSSException.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/ietf/jgss/GSSCredential.html)   [**NEXT CLASS**](http://docs.google.com/org/ietf/jgss/GSSManager.html) | [**FRAMES**](http://docs.google.com/index.html?org/ietf/jgss/GSSException.html)    [**NO FRAMES**](http://docs.google.com/GSSException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#147n2zr) | [METHOD](#ihv636) |

## **org.ietf.jgss**

Class GSSException

[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)  
 **org.ietf.jgss.GSSException**

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

public class **GSSException**extends [Exception](http://docs.google.com/java/lang/Exception.html)

This exception is thrown whenever a GSS-API error occurs, including any mechanism specific error. It may contain both the major and the minor GSS-API status codes. Major error codes are those defined at the GSS-API level in this class. Minor error codes are mechanism specific error codes that can provide additional information. The underlying mechanism implementation is responsible for setting appropriate minor status codes when throwing this exception. Aside from delivering the numeric error codes to the caller, this class performs the mapping from their numeric values to textual representations.

**Since:** 1.4 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#org.ietf.jgss.GSSException)

| **Field Summary** | |
| --- | --- |
| static int | [**BAD\_BINDINGS**](http://docs.google.com/org/ietf/jgss/GSSException.html#BAD_BINDINGS)            Channel bindings mismatch. |
| static int | [**BAD\_MECH**](http://docs.google.com/org/ietf/jgss/GSSException.html#BAD_MECH)            Unsupported mechanism requested. |
| static int | [**BAD\_MIC**](http://docs.google.com/org/ietf/jgss/GSSException.html#BAD_MIC)            Token had invalid integrity check. |
| static int | [**BAD\_NAME**](http://docs.google.com/org/ietf/jgss/GSSException.html#BAD_NAME)            Invalid name provided. |
| static int | [**BAD\_NAMETYPE**](http://docs.google.com/org/ietf/jgss/GSSException.html#BAD_NAMETYPE)            Name of unsupported type provided. |
| static int | [**BAD\_QOP**](http://docs.google.com/org/ietf/jgss/GSSException.html#BAD_QOP)            Unsupported QOP value. |
| static int | [**BAD\_STATUS**](http://docs.google.com/org/ietf/jgss/GSSException.html#BAD_STATUS)            Invalid status code. |
| static int | [**CONTEXT\_EXPIRED**](http://docs.google.com/org/ietf/jgss/GSSException.html#CONTEXT_EXPIRED)            Security context expired. |
| static int | [**CREDENTIALS\_EXPIRED**](http://docs.google.com/org/ietf/jgss/GSSException.html#CREDENTIALS_EXPIRED)            Expired credentials. |
| static int | [**DEFECTIVE\_CREDENTIAL**](http://docs.google.com/org/ietf/jgss/GSSException.html#DEFECTIVE_CREDENTIAL)            Defective credentials. |
| static int | [**DEFECTIVE\_TOKEN**](http://docs.google.com/org/ietf/jgss/GSSException.html#DEFECTIVE_TOKEN)            Defective token. |
| static int | [**DUPLICATE\_ELEMENT**](http://docs.google.com/org/ietf/jgss/GSSException.html#DUPLICATE_ELEMENT)            Duplicate credential element requested. |
| static int | [**DUPLICATE\_TOKEN**](http://docs.google.com/org/ietf/jgss/GSSException.html#DUPLICATE_TOKEN)            The token was a duplicate of an earlier token. |
| static int | [**FAILURE**](http://docs.google.com/org/ietf/jgss/GSSException.html#FAILURE)            General failure, unspecified at GSS-API level. |
| static int | [**GAP\_TOKEN**](http://docs.google.com/org/ietf/jgss/GSSException.html#GAP_TOKEN)            An expected per-message token was not received. |
| static int | [**NAME\_NOT\_MN**](http://docs.google.com/org/ietf/jgss/GSSException.html#NAME_NOT_MN)            Name contains multi-mechanism elements. |
| static int | [**NO\_CONTEXT**](http://docs.google.com/org/ietf/jgss/GSSException.html#NO_CONTEXT)            Invalid security context. |
| static int | [**NO\_CRED**](http://docs.google.com/org/ietf/jgss/GSSException.html#NO_CRED)            Invalid credentials. |
| static int | [**OLD\_TOKEN**](http://docs.google.com/org/ietf/jgss/GSSException.html#OLD_TOKEN)            The token's validity period has expired. |
| static int | [**UNAUTHORIZED**](http://docs.google.com/org/ietf/jgss/GSSException.html#UNAUTHORIZED)            Operation unauthorized. |
| static int | [**UNAVAILABLE**](http://docs.google.com/org/ietf/jgss/GSSException.html#UNAVAILABLE)            Operation unavailable. |
| static int | [**UNSEQ\_TOKEN**](http://docs.google.com/org/ietf/jgss/GSSException.html#UNSEQ_TOKEN)            A later token has already been processed. |

| **Constructor Summary** | |
| --- | --- |
| [**GSSException**](http://docs.google.com/org/ietf/jgss/GSSException.html#GSSException(int))(int majorCode)            Creates a GSSException object with a specified major code. |
| [**GSSException**](http://docs.google.com/org/ietf/jgss/GSSException.html#GSSException(int,%20int,%20java.lang.String))(int majorCode, int minorCode, [String](http://docs.google.com/java/lang/String.html) minorString)            Creates a GSSException object with the specified major code, minor code, and minor code textual explanation. |

| **Method Summary** | |
| --- | --- |
| int | [**getMajor**](http://docs.google.com/org/ietf/jgss/GSSException.html#getMajor())()            Returns the GSS-API level major error code for the problem causing this exception to be thrown. |
| [String](http://docs.google.com/java/lang/String.html) | [**getMajorString**](http://docs.google.com/org/ietf/jgss/GSSException.html#getMajorString())()            Returns a string explaining the GSS-API level major error code in this exception. |
| [String](http://docs.google.com/java/lang/String.html) | [**getMessage**](http://docs.google.com/org/ietf/jgss/GSSException.html#getMessage())()            Returns a textual representation of both the major and the minor status codes. |
| int | [**getMinor**](http://docs.google.com/org/ietf/jgss/GSSException.html#getMinor())()            Returns the mechanism level error code for the problem causing this exception to be thrown. |
| [String](http://docs.google.com/java/lang/String.html) | [**getMinorString**](http://docs.google.com/org/ietf/jgss/GSSException.html#getMinorString())()            Returns a string explaining the mechanism specific error code. |
| void | [**setMinor**](http://docs.google.com/org/ietf/jgss/GSSException.html#setMinor(int,%20java.lang.String))(int minorCode, [String](http://docs.google.com/java/lang/String.html) message)            Used by the exception thrower to set the mechanism level minor error code and its string explanation. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/org/ietf/jgss/GSSException.html#toString())()            Returns a textual representation of both the major and the minor status codes. |

| **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()), [getCause](http://docs.google.com/java/lang/Throwable.html#getCause()), [getLocalizedMessage](http://docs.google.com/java/lang/Throwable.html#getLocalizedMessage()), [getStackTrace](http://docs.google.com/java/lang/Throwable.html#getStackTrace()), [initCause](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)), [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** |
| --- |

### BAD\_BINDINGS

public static final int **BAD\_BINDINGS**

Channel bindings mismatch.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.BAD_BINDINGS)

### BAD\_MECH

public static final int **BAD\_MECH**

Unsupported mechanism requested.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.BAD_MECH)

### BAD\_NAME

public static final int **BAD\_NAME**

Invalid name provided.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.BAD_NAME)

### BAD\_NAMETYPE

public static final int **BAD\_NAMETYPE**

Name of unsupported type provided.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.BAD_NAMETYPE)

### BAD\_STATUS

public static final int **BAD\_STATUS**

Invalid status code.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.BAD_STATUS)

### BAD\_MIC

public static final int **BAD\_MIC**

Token had invalid integrity check.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.BAD_MIC)

### CONTEXT\_EXPIRED

public static final int **CONTEXT\_EXPIRED**

Security context expired.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.CONTEXT_EXPIRED)

### CREDENTIALS\_EXPIRED

public static final int **CREDENTIALS\_EXPIRED**

Expired credentials.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.CREDENTIALS_EXPIRED)

### DEFECTIVE\_CREDENTIAL

public static final int **DEFECTIVE\_CREDENTIAL**

Defective credentials.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.DEFECTIVE_CREDENTIAL)

### DEFECTIVE\_TOKEN

public static final int **DEFECTIVE\_TOKEN**

Defective token.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.DEFECTIVE_TOKEN)

### FAILURE

public static final int **FAILURE**

General failure, unspecified at GSS-API level.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.FAILURE)

### NO\_CONTEXT

public static final int **NO\_CONTEXT**

Invalid security context.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.NO_CONTEXT)

### NO\_CRED

public static final int **NO\_CRED**

Invalid credentials.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.NO_CRED)

### BAD\_QOP

public static final int **BAD\_QOP**

Unsupported QOP value.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.BAD_QOP)

### UNAUTHORIZED

public static final int **UNAUTHORIZED**

Operation unauthorized.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.UNAUTHORIZED)

### UNAVAILABLE

public static final int **UNAVAILABLE**

Operation unavailable.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.UNAVAILABLE)

### DUPLICATE\_ELEMENT

public static final int **DUPLICATE\_ELEMENT**

Duplicate credential element requested.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.DUPLICATE_ELEMENT)

### NAME\_NOT\_MN

public static final int **NAME\_NOT\_MN**

Name contains multi-mechanism elements.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.NAME_NOT_MN)

### DUPLICATE\_TOKEN

public static final int **DUPLICATE\_TOKEN**

The token was a duplicate of an earlier token. This is a fatal error code that may occur during context establishment. It is not used to indicate supplementary status values. The MessageProp object is used for that purpose.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.DUPLICATE_TOKEN)

### OLD\_TOKEN

public static final int **OLD\_TOKEN**

The token's validity period has expired. This is a fatal error code that may occur during context establishment. It is not used to indicate supplementary status values. The MessageProp object is used for that purpose.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.OLD_TOKEN)

### UNSEQ\_TOKEN

public static final int **UNSEQ\_TOKEN**

A later token has already been processed. This is a fatal error code that may occur during context establishment. It is not used to indicate supplementary status values. The MessageProp object is used for that purpose.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.UNSEQ_TOKEN)

### GAP\_TOKEN

public static final int **GAP\_TOKEN**

An expected per-message token was not received. This is a fatal error code that may occur during context establishment. It is not used to indicate supplementary status values. The MessageProp object is used for that purpose.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.ietf.jgss.GSSException.GAP_TOKEN)

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

### GSSException

public **GSSException**(int majorCode)

Creates a GSSException object with a specified major code.

**Parameters:**majorCode - the The GSS error code for the problem causing this exception to be thrown.

### GSSException

public **GSSException**(int majorCode,  
 int minorCode,  
 [String](http://docs.google.com/java/lang/String.html) minorString)

Creates a GSSException object with the specified major code, minor code, and minor code textual explanation. This constructor is to be used when the exception is originating from the underlying mechanism level. It allows the setting of both the GSS code and the mechanism code.

**Parameters:**majorCode - the GSS error code for the problem causing this exception to be thrown.minorCode - the mechanism level error code for the problem causing this exception to be thrown.minorString - the textual explanation of the mechanism error code.

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

### getMajor

public int **getMajor**()

Returns the GSS-API level major error code for the problem causing this exception to be thrown. Major error codes are defined at the mechanism independent GSS-API level in this class. Mechanism specific error codes that might provide more information aer set as the minor error code.

**Returns:**int the GSS-API level major error code causing this exception**See Also:**[getMajorString()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMajorString()), [getMinor()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMinor()), [getMinorString()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMinorString())

### getMinor

public int **getMinor**()

Returns the mechanism level error code for the problem causing this exception to be thrown. The minor code is set by the underlying mechanism.

**Returns:**int the mechanism error code; 0 indicates that it has not been set.**See Also:**[getMinorString()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMinorString()), [setMinor(int, java.lang.String)](http://docs.google.com/org/ietf/jgss/GSSException.html#setMinor(int,%20java.lang.String))

### getMajorString

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

Returns a string explaining the GSS-API level major error code in this exception.

**Returns:**String explanation string for the major error code**See Also:**[getMajor()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMajor()), [toString()](http://docs.google.com/org/ietf/jgss/GSSException.html#toString())

### getMinorString

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

Returns a string explaining the mechanism specific error code. If the minor status code is 0, then no mechanism level error details will be available.

**Returns:**String a textual explanation of mechanism error code**See Also:**[getMinor()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMinor()), [getMajorString()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMajorString()), [toString()](http://docs.google.com/org/ietf/jgss/GSSException.html#toString())

### setMinor

public void **setMinor**(int minorCode,  
 [String](http://docs.google.com/java/lang/String.html) message)

Used by the exception thrower to set the mechanism level minor error code and its string explanation. This is used by mechanism providers to indicate error details.

**Parameters:**minorCode - the mechanism specific error codemessage - textual explanation of the mechanism error code**See Also:**[getMinor()](http://docs.google.com/org/ietf/jgss/GSSException.html#getMinor())

### toString

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

Returns a textual representation of both the major and the minor status codes.

**Overrides:**[toString](http://docs.google.com/java/lang/Throwable.html#toString()) in class [Throwable](http://docs.google.com/java/lang/Throwable.html) **Returns:**a String with the error descriptions

### getMessage

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

Returns a textual representation of both the major and the minor status codes.

**Overrides:**[getMessage](http://docs.google.com/java/lang/Throwable.html#getMessage()) in class [Throwable](http://docs.google.com/java/lang/Throwable.html) **Returns:**a String with the error descriptions

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/GSSException.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/ietf/jgss/GSSCredential.html)   [**NEXT CLASS**](http://docs.google.com/org/ietf/jgss/GSSManager.html) | [**FRAMES**](http://docs.google.com/index.html?org/ietf/jgss/GSSException.html)    [**NO FRAMES**](http://docs.google.com/GSSException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#147n2zr) | [METHOD](#ihv636) |

[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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