| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/org/ietf/jgss/GSSException.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?org/ietf/jgss//class-useGSSException.html)    [**NO FRAMES**](http://docs.google.com/GSSException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**org.ietf.jgss.GSSException**

| Packages that use [GSSException](http://docs.google.com/org/ietf/jgss/GSSException.html) | |
| --- | --- |
| [**org.ietf.jgss**](#3znysh7) | This package presents a framework that allows application developers to make use of security services like authentication, data integrity and data confidentiality from a variety of underlying security mechanisms like Kerberos, using a unified API. |

| Uses of [GSSException](http://docs.google.com/org/ietf/jgss/GSSException.html) in [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) | |
| --- | --- |

| Methods in [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) that throw [GSSException](http://docs.google.com/org/ietf/jgss/GSSException.html) | |
| --- | --- |
| byte[] | **GSSContext.**[**acceptSecContext**](http://docs.google.com/org/ietf/jgss/GSSContext.html#acceptSecContext(byte%5B%5D,%20int,%20int))(byte[] inToken, int offset, int len)            Called by the context acceptor upon receiving a token from the peer. |
| void | **GSSContext.**[**acceptSecContext**](http://docs.google.com/org/ietf/jgss/GSSContext.html#acceptSecContext(java.io.InputStream,%20java.io.OutputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream)            Called by the context acceptor to process a token from the peer using streams. |
| void | **GSSCredential.**[**add**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#add(org.ietf.jgss.GSSName,%20int,%20int,%20org.ietf.jgss.Oid,%20int))([GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) name, int initLifetime, int acceptLifetime, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech, int usage)            Adds a mechanism specific credential-element to an existing credential. |
| abstract  void | **GSSManager.**[**addProviderAtEnd**](http://docs.google.com/org/ietf/jgss/GSSManager.html#addProviderAtEnd(java.security.Provider,%20org.ietf.jgss.Oid))([Provider](http://docs.google.com/java/security/Provider.html) p, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            This method is used to indicate to the GSSManager that the application would like a particular provider to be used if no other provider can be found that supports the given mechanism. |
| abstract  void | **GSSManager.**[**addProviderAtFront**](http://docs.google.com/org/ietf/jgss/GSSManager.html#addProviderAtFront(java.security.Provider,%20org.ietf.jgss.Oid))([Provider](http://docs.google.com/java/security/Provider.html) p, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            This method is used to indicate to the GSSManager that the application would like a particular provider to be used ahead of all others when support is desired for the given mechanism. |
| [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSName.**[**canonicalize**](http://docs.google.com/org/ietf/jgss/GSSName.html#canonicalize(org.ietf.jgss.Oid))([Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Creates a name that is canonicalized for some mechanism. |
| abstract  [GSSContext](http://docs.google.com/org/ietf/jgss/GSSContext.html) | **GSSManager.**[**createContext**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createContext(byte%5B%5D))(byte[] interProcessToken)            Factory method for creating a previously exported context. |
| abstract  [GSSContext](http://docs.google.com/org/ietf/jgss/GSSContext.html) | **GSSManager.**[**createContext**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createContext(org.ietf.jgss.GSSCredential))([GSSCredential](http://docs.google.com/org/ietf/jgss/GSSCredential.html) myCred)            Factory method for creating a context on the acceptor' side. |
| abstract  [GSSContext](http://docs.google.com/org/ietf/jgss/GSSContext.html) | **GSSManager.**[**createContext**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createContext(org.ietf.jgss.GSSName,%20org.ietf.jgss.Oid,%20org.ietf.jgss.GSSCredential,%20int))([GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) peer, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech, [GSSCredential](http://docs.google.com/org/ietf/jgss/GSSCredential.html) myCred, int lifetime)            Factory method for creating a context on the initiator's side. |
| abstract  [GSSCredential](http://docs.google.com/org/ietf/jgss/GSSCredential.html) | **GSSManager.**[**createCredential**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createCredential(org.ietf.jgss.GSSName,%20int,%20org.ietf.jgss.Oid%5B%5D,%20int))([GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) name, int lifetime, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html)[] mechs, int usage)            Factory method for acquiring credentials over a set of mechanisms. |
| abstract  [GSSCredential](http://docs.google.com/org/ietf/jgss/GSSCredential.html) | **GSSManager.**[**createCredential**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createCredential(org.ietf.jgss.GSSName,%20int,%20org.ietf.jgss.Oid,%20int))([GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) name, int lifetime, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech, int usage)            Factory method for acquiring a single mechanism credential. |
| abstract  [GSSCredential](http://docs.google.com/org/ietf/jgss/GSSCredential.html) | **GSSManager.**[**createCredential**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createCredential(int))(int usage)            Factory method for acquiring default credentials. |
| abstract  [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSManager.**[**createName**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createName(byte%5B%5D,%20org.ietf.jgss.Oid))(byte[] name, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) nameType)            Factory method to convert a byte array containing a name from the specified namespace to a GSSName object. |
| abstract  [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSManager.**[**createName**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createName(byte%5B%5D,%20org.ietf.jgss.Oid,%20org.ietf.jgss.Oid))(byte[] name, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) nameType, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Factory method to convert a byte array containing a name from the specified namespace to a GSSName object and canonicalize it at the same time for a mechanism. |
| abstract  [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSManager.**[**createName**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createName(java.lang.String,%20org.ietf.jgss.Oid))([String](http://docs.google.com/java/lang/String.html) nameStr, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) nameType)            Factory method to convert a string name from the specified namespace to a GSSName object. |
| abstract  [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSManager.**[**createName**](http://docs.google.com/org/ietf/jgss/GSSManager.html#createName(java.lang.String,%20org.ietf.jgss.Oid,%20org.ietf.jgss.Oid))([String](http://docs.google.com/java/lang/String.html) nameStr, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) nameType, [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Factory method to convert a string name from the specified namespace to a GSSName object and canonicalize it at the same time for a mechanism. |
| void | **GSSContext.**[**dispose**](http://docs.google.com/org/ietf/jgss/GSSContext.html#dispose())()            Releases any system resources and cryptographic information stored in the context object and invalidates the context. |
| void | **GSSCredential.**[**dispose**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#dispose())()            Releases any sensitive information that the GSSCredential object may be containing. |
| boolean | **GSSName.**[**equals**](http://docs.google.com/org/ietf/jgss/GSSName.html#equals(org.ietf.jgss.GSSName))([GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) another)            Compares two GSSName objects to determine if they refer to the same entity. |
| byte[] | **GSSContext.**[**export**](http://docs.google.com/org/ietf/jgss/GSSContext.html#export())()            Exports this context so that another process may import it.. |
| byte[] | **GSSName.**[**export**](http://docs.google.com/org/ietf/jgss/GSSName.html#export())()            Returns a canonical contiguous byte representation of a mechanism name (MN), suitable for direct, byte by byte comparison by authorization functions. |
| [GSSCredential](http://docs.google.com/org/ietf/jgss/GSSCredential.html) | **GSSContext.**[**getDelegCred**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getDelegCred())()            Obtains the credentials delegated by the context initiator to the context acceptor. |
| byte[] | **Oid.**[**getDER**](http://docs.google.com/org/ietf/jgss/Oid.html#getDER())()            Returns the full ASN.1 DER encoding for this oid object, which includes the tag and length. |
| [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) | **GSSContext.**[**getMech**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getMech())()            Determines what mechanism is being used for this context. |
| [Oid](http://docs.google.com/org/ietf/jgss/Oid.html)[] | **GSSCredential.**[**getMechs**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getMechs())()            Returns a list of mechanisms supported by this credential. |
| byte[] | **GSSContext.**[**getMIC**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getMIC(byte%5B%5D,%20int,%20int,%20org.ietf.jgss.MessageProp))(byte[] inMsg, int offset, int len, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Returns a token containing a cryptographic Message Integrity Code (MIC) for the supplied message, for transfer to the peer application. |
| void | **GSSContext.**[**getMIC**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getMIC(java.io.InputStream,%20java.io.OutputStream,%20org.ietf.jgss.MessageProp))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Uses streams to produce a token containing a cryptographic MIC for the supplied message, for transfer to the peer application. |
| [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSCredential.**[**getName**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getName())()            Retrieves the name of the entity that the credential asserts. |
| [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSCredential.**[**getName**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getName(org.ietf.jgss.Oid))([Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Retrieves a Mechanism Name of the entity that the credential asserts. |
| abstract  [Oid](http://docs.google.com/org/ietf/jgss/Oid.html)[] | **GSSManager.**[**getNamesForMech**](http://docs.google.com/org/ietf/jgss/GSSManager.html#getNamesForMech(org.ietf.jgss.Oid))([Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Returns then name types supported by the indicated mechanism. |
| int | **GSSCredential.**[**getRemainingAcceptLifetime**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getRemainingAcceptLifetime(org.ietf.jgss.Oid))([Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Returns the lifetime in seconds for the credential to remain capable of accepting security contexts using the specified mechanism. |
| int | **GSSCredential.**[**getRemainingInitLifetime**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getRemainingInitLifetime(org.ietf.jgss.Oid))([Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Returns the lifetime in seconds for the credential to remain capable of initiating security contexts using the specified mechanism. |
| int | **GSSCredential.**[**getRemainingLifetime**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getRemainingLifetime())()            Returns the remaining lifetime in seconds for a credential. |
| [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSContext.**[**getSrcName**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getSrcName())()            Returns the name of the context initiator. |
| [Oid](http://docs.google.com/org/ietf/jgss/Oid.html) | **GSSName.**[**getStringNameType**](http://docs.google.com/org/ietf/jgss/GSSName.html#getStringNameType())()            Returns the name type of the printable representation of this name that can be obtained from the toString method. |
| [GSSName](http://docs.google.com/org/ietf/jgss/GSSName.html) | **GSSContext.**[**getTargName**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getTargName())()            Returns the name of the context acceptor. |
| int | **GSSCredential.**[**getUsage**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getUsage())()            Returns the credential usage mode. |
| int | **GSSCredential.**[**getUsage**](http://docs.google.com/org/ietf/jgss/GSSCredential.html#getUsage(org.ietf.jgss.Oid))([Oid](http://docs.google.com/org/ietf/jgss/Oid.html) mech)            Returns the credential usage mode for a specific mechanism. |
| int | **GSSContext.**[**getWrapSizeLimit**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getWrapSizeLimit(int,%20boolean,%20int))(int qop, boolean confReq, int maxTokenSize)            Used to determine limits on the size of the message that can be passed to wrap. |
| byte[] | **GSSContext.**[**initSecContext**](http://docs.google.com/org/ietf/jgss/GSSContext.html#initSecContext(byte%5B%5D,%20int,%20int))(byte[] inputBuf, int offset, int len)            Called by the context initiator to start the context creation phase and process any tokens generated by the peer's acceptSecContext method. |
| int | **GSSContext.**[**initSecContext**](http://docs.google.com/org/ietf/jgss/GSSContext.html#initSecContext(java.io.InputStream,%20java.io.OutputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream)            Called by the context initiator to start the context creation phase and process any tokens generated by the peer's acceptSecContext method using streams. |
| boolean | **GSSContext.**[**isInitiator**](http://docs.google.com/org/ietf/jgss/GSSContext.html#isInitiator())()            Determines if this is the context initiator. |
| boolean | **GSSContext.**[**isTransferable**](http://docs.google.com/org/ietf/jgss/GSSContext.html#isTransferable())()            Determines if the context is transferable to other processes through the use of the [export](http://docs.google.com/org/ietf/jgss/GSSContext.html#export()) method. |
| void | **GSSContext.**[**requestAnonymity**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestAnonymity(boolean))(boolean state)            Requests that the initiator's identity not be disclosed to the acceptor. |
| void | **GSSContext.**[**requestConf**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestConf(boolean))(boolean state)            Requests that data confidentiality be enabled for the wrap method. |
| void | **GSSContext.**[**requestCredDeleg**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestCredDeleg(boolean))(boolean state)            Requests that the initiator's credentials be delegated to the acceptor during context establishment. |
| void | **GSSContext.**[**requestInteg**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestInteg(boolean))(boolean state)            Requests that data integrity be enabled for the wrap and getMICmethods. |
| void | **GSSContext.**[**requestLifetime**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestLifetime(int))(int lifetime)            Requests a lifetime in seconds for the context. |
| void | **GSSContext.**[**requestMutualAuth**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestMutualAuth(boolean))(boolean state)            Requests that mutual authentication be done during context establishment. |
| void | **GSSContext.**[**requestReplayDet**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestReplayDet(boolean))(boolean state)            Requests that replay detection be enabled for the per-message security services after context establishemnt. |
| void | **GSSContext.**[**requestSequenceDet**](http://docs.google.com/org/ietf/jgss/GSSContext.html#requestSequenceDet(boolean))(boolean state)            Requests that sequence checking be enabled for the per-message security services after context establishemnt. |
| void | **GSSContext.**[**setChannelBinding**](http://docs.google.com/org/ietf/jgss/GSSContext.html#setChannelBinding(org.ietf.jgss.ChannelBinding))([ChannelBinding](http://docs.google.com/org/ietf/jgss/ChannelBinding.html) cb)            Sets the channel bindings to be used during context establishment. |
| byte[] | **GSSContext.**[**unwrap**](http://docs.google.com/org/ietf/jgss/GSSContext.html#unwrap(byte%5B%5D,%20int,%20int,%20org.ietf.jgss.MessageProp))(byte[] inBuf, int offset, int len, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Used to process tokens generated by the wrap method on the other side of the context. |
| void | **GSSContext.**[**unwrap**](http://docs.google.com/org/ietf/jgss/GSSContext.html#unwrap(java.io.InputStream,%20java.io.OutputStream,%20org.ietf.jgss.MessageProp))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Uses streams to process tokens generated by the wrap method on the other side of the context. |
| void | **GSSContext.**[**verifyMIC**](http://docs.google.com/org/ietf/jgss/GSSContext.html#verifyMIC(byte%5B%5D,%20int,%20int,%20byte%5B%5D,%20int,%20int,%20org.ietf.jgss.MessageProp))(byte[] inToken, int tokOffset, int tokLen, byte[] inMsg, int msgOffset, int msgLen, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Verifies the cryptographic MIC, contained in the token parameter, over the supplied message. |
| void | **GSSContext.**[**verifyMIC**](http://docs.google.com/org/ietf/jgss/GSSContext.html#verifyMIC(java.io.InputStream,%20java.io.InputStream,%20org.ietf.jgss.MessageProp))([InputStream](http://docs.google.com/java/io/InputStream.html) tokStream, [InputStream](http://docs.google.com/java/io/InputStream.html) msgStream, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Uses streams to verify the cryptographic MIC, contained in the token parameter, over the supplied message. |
| byte[] | **GSSContext.**[**wrap**](http://docs.google.com/org/ietf/jgss/GSSContext.html#wrap(byte%5B%5D,%20int,%20int,%20org.ietf.jgss.MessageProp))(byte[] inBuf, int offset, int len, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Applies per-message security services over the established security context. |
| void | **GSSContext.**[**wrap**](http://docs.google.com/org/ietf/jgss/GSSContext.html#wrap(java.io.InputStream,%20java.io.OutputStream,%20org.ietf.jgss.MessageProp))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Applies per-message security services over the established security context using streams. |

| Constructors in [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) that throw [GSSException](http://docs.google.com/org/ietf/jgss/GSSException.html) | |
| --- | --- |
| [**Oid**](http://docs.google.com/org/ietf/jgss/Oid.html#Oid(byte%5B%5D))(byte[] data)            Creates an Oid object from its ASN.1 DER encoding. |
| [**Oid**](http://docs.google.com/org/ietf/jgss/Oid.html#Oid(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) derOid)            Creates an Oid object from its ASN.1 DER encoding. |
| [**Oid**](http://docs.google.com/org/ietf/jgss/Oid.html#Oid(java.lang.String))([String](http://docs.google.com/java/lang/String.html) strOid)            Constructs an Oid object from a string representation of its integer components. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/org/ietf/jgss/GSSException.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?org/ietf/jgss//class-useGSSException.html)    [**NO FRAMES**](http://docs.google.com/GSSException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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