| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SortResponseControl.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/ldap/SortKey.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/ldap/StartTlsRequest.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/ldap/SortResponseControl.html)    [**NO FRAMES**](http://docs.google.com/SortResponseControl.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#26in1rg) | [METHOD](#35nkun2) |

## **javax.naming.ldap**

Class SortResponseControl

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.naming.ldap.BasicControl](http://docs.google.com/javax/naming/ldap/BasicControl.html)  
 **javax.naming.ldap.SortResponseControl**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Control](http://docs.google.com/javax/naming/ldap/Control.html)

public final class **SortResponseControl**extends [BasicControl](http://docs.google.com/javax/naming/ldap/BasicControl.html)

Indicates whether the requested sort of search results was successful or not. When the result code indicates success then the results have been sorted as requested. Otherwise the sort was unsuccessful and additional details regarding the cause of the error may have been provided by the server.

The code sample in [SortControl](http://docs.google.com/javax/naming/ldap/SortControl.html) shows how this class may be used.

This class implements the LDAPv3 Response Control for server-side sorting as defined in [RFC 2891](http://www.ietf.org/rfc/rfc2891.txt). The control's value has the following ASN.1 definition:

SortResult ::= SEQUENCE {  
 sortResult ENUMERATED {  
 success (0), -- results are sorted  
 operationsError (1), -- server internal failure  
 timeLimitExceeded (3), -- timelimit reached before  
 -- sorting was completed  
 strongAuthRequired (8), -- refused to return sorted  
 -- results via insecure  
 -- protocol  
 adminLimitExceeded (11), -- too many matching entries  
 -- for the server to sort  
 noSuchAttribute (16), -- unrecognized attribute  
 -- type in sort key  
 inappropriateMatching (18), -- unrecognized or inappro-  
 -- priate matching rule in  
 -- sort key  
 insufficientAccessRights (50), -- refused to return sorted  
 -- results to this client  
 busy (51), -- too busy to process  
 unwillingToPerform (53), -- unable to sort  
 other (80)  
 },  
 attributeType [0] AttributeType OPTIONAL }

**Since:** 1.5 **See Also:**[SortControl](http://docs.google.com/javax/naming/ldap/SortControl.html), [Serialized Form](http://docs.google.com/serialized-form.html#javax.naming.ldap.SortResponseControl)

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**OID**](http://docs.google.com/javax/naming/ldap/SortResponseControl.html#OID)            The server-side sort response control's assigned object identifier is 1.2.840.113556.1.4.474. |

| **Fields inherited from class javax.naming.ldap.**[**BasicControl**](http://docs.google.com/javax/naming/ldap/BasicControl.html) |
| --- |
| [criticality](http://docs.google.com/javax/naming/ldap/BasicControl.html#criticality), [id](http://docs.google.com/javax/naming/ldap/BasicControl.html#id), [value](http://docs.google.com/javax/naming/ldap/BasicControl.html#value) |

| **Fields inherited from interface javax.naming.ldap.**[**Control**](http://docs.google.com/javax/naming/ldap/Control.html) |
| --- |
| [CRITICAL](http://docs.google.com/javax/naming/ldap/Control.html#CRITICAL), [NONCRITICAL](http://docs.google.com/javax/naming/ldap/Control.html#NONCRITICAL) |

| **Constructor Summary** | |
| --- | --- |
| [**SortResponseControl**](http://docs.google.com/javax/naming/ldap/SortResponseControl.html#SortResponseControl(java.lang.String,%20boolean,%20byte%5B%5D))([String](http://docs.google.com/java/lang/String.html) id, boolean criticality, byte[] value)            Constructs a control to indicate the outcome of a sort request. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getAttributeID**](http://docs.google.com/javax/naming/ldap/SortResponseControl.html#getAttributeID())()            Retrieves the ID of the attribute that caused the sort to fail. |
| [NamingException](http://docs.google.com/javax/naming/NamingException.html) | [**getException**](http://docs.google.com/javax/naming/ldap/SortResponseControl.html#getException())()            Retrieves the NamingException appropriate for the result code. |
| int | [**getResultCode**](http://docs.google.com/javax/naming/ldap/SortResponseControl.html#getResultCode())()            Retrieves the LDAP result code of the sort operation. |
| boolean | [**isSorted**](http://docs.google.com/javax/naming/ldap/SortResponseControl.html#isSorted())()            Determines if the search results have been successfully sorted. |

| **Methods inherited from class javax.naming.ldap.**[**BasicControl**](http://docs.google.com/javax/naming/ldap/BasicControl.html) |
| --- |
| [getEncodedValue](http://docs.google.com/javax/naming/ldap/BasicControl.html#getEncodedValue()), [getID](http://docs.google.com/javax/naming/ldap/BasicControl.html#getID()), [isCritical](http://docs.google.com/javax/naming/ldap/BasicControl.html#isCritical()) |

| **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** |
| --- |

### OID

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

The server-side sort response control's assigned object identifier is 1.2.840.113556.1.4.474.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.naming.ldap.SortResponseControl.OID)

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

### SortResponseControl

public **SortResponseControl**([String](http://docs.google.com/java/lang/String.html) id,  
 boolean criticality,  
 byte[] value)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Constructs a control to indicate the outcome of a sort request.

**Parameters:**id - The control's object identifier string.criticality - The control's criticality.value - The control's ASN.1 BER encoded value. It is not cloned - any changes to value will affect the contents of the control. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an error is encountered while decoding the control's value.

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

### isSorted

public boolean **isSorted**()

Determines if the search results have been successfully sorted. If an error occurred during sorting a NamingException is thrown.

**Returns:**true if the search results have been sorted.

### getResultCode

public int **getResultCode**()

Retrieves the LDAP result code of the sort operation.

**Returns:**The result code. A zero value indicates success.

### getAttributeID

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

Retrieves the ID of the attribute that caused the sort to fail. Returns null if no ID was returned by the server.

**Returns:**The possibly null ID of the bad attribute.

### getException

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

Retrieves the NamingException appropriate for the result code.

**Returns:**A NamingException or null if the result code indicates success.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SortResponseControl.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*** |
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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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