| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AccessibleRelationSet.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/accessibility/AccessibleRelation.html)   [**NEXT CLASS**](http://docs.google.com/javax/accessibility/AccessibleResourceBundle.html) | [**FRAMES**](http://docs.google.com/index.html?javax/accessibility/AccessibleRelationSet.html)    [**NO FRAMES**](http://docs.google.com/AccessibleRelationSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **javax.accessibility**

Class AccessibleRelationSet

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.accessibility.AccessibleRelationSet**

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

Class AccessibleRelationSet determines a component's relation set. The relation set of a component is a set of AccessibleRelation objects that describe the component's relationships with other components.

**Since:** 1.3 **See Also:**[AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)

| **Field Summary** | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)> | [**relations**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#relations)            Each entry in the Vector represents an AccessibleRelation. |

| **Constructor Summary** | |
| --- | --- |
| [**AccessibleRelationSet**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#AccessibleRelationSet())()            Creates a new empty relation set. |
| [**AccessibleRelationSet**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#AccessibleRelationSet(javax.accessibility.AccessibleRelation%5B%5D))([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)[] relations)            Creates a new relation with the initial set of relations contained in the array of relations passed in. |

| **Method Summary** | |
| --- | --- |
| boolean | [**add**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#add(javax.accessibility.AccessibleRelation))([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html) relation)            Adds a new relation to the current relation set. |
| void | [**addAll**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#addAll(javax.accessibility.AccessibleRelation%5B%5D))([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)[] relations)            Adds all of the relations to the existing relation set. |
| void | [**clear**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#clear())()            Removes all the relations from the current relation set. |
| boolean | [**contains**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#contains(java.lang.String))([String](http://docs.google.com/java/lang/String.html) key)            Returns whether the relation set contains a relation that matches the specified key. |
| [AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html) | [**get**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#get(java.lang.String))([String](http://docs.google.com/java/lang/String.html) key)            Returns the relation that matches the specified key. |
| boolean | [**remove**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#remove(javax.accessibility.AccessibleRelation))([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html) relation)            Removes a relation from the current relation set. |
| int | [**size**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#size())()            Returns the number of relations in the relation set. |
| [AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)[] | [**toArray**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#toArray())()            Returns the current relation set as an array of AccessibleRelation |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#toString())()            Creates a localized String representing all the relations in the set using the default locale. |

| **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** |
| --- |

### relations

protected [Vector](http://docs.google.com/java/util/Vector.html)<[AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)> **relations**

Each entry in the Vector represents an AccessibleRelation.

**See Also:**[add(javax.accessibility.AccessibleRelation)](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#add(javax.accessibility.AccessibleRelation)), [addAll(javax.accessibility.AccessibleRelation[])](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#addAll(javax.accessibility.AccessibleRelation%5B%5D)), [remove(javax.accessibility.AccessibleRelation)](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#remove(javax.accessibility.AccessibleRelation)), [contains(java.lang.String)](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#contains(java.lang.String)), [get(java.lang.String)](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#get(java.lang.String)), [size()](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#size()), [toArray()](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#toArray()), [clear()](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#clear())

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

### AccessibleRelationSet

public **AccessibleRelationSet**()

Creates a new empty relation set.

### AccessibleRelationSet

public **AccessibleRelationSet**([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)[] relations)

Creates a new relation with the initial set of relations contained in the array of relations passed in. Duplicate entries are ignored.

**Parameters:**relations - an array of AccessibleRelation describing the relation set.

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

### add

public boolean **add**([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html) relation)

Adds a new relation to the current relation set. If the relation is already in the relation set, the target(s) of the specified relation is merged with the target(s) of the existing relation. Otherwise, the new relation is added to the relation set.

**Parameters:**relation - the relation to add to the relation set **Returns:**true if relation is added to the relation set; false if the relation set is unchanged

### addAll

public void **addAll**([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)[] relations)

Adds all of the relations to the existing relation set. Duplicate entries are ignored.

**Parameters:**relations - AccessibleRelation array describing the relation set.

### remove

public boolean **remove**([AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html) relation)

Removes a relation from the current relation set. If the relation is not in the set, the relation set will be unchanged and the return value will be false. If the relation is in the relation set, it will be removed from the set and the return value will be true.

**Parameters:**relation - the relation to remove from the relation set **Returns:**true if the relation is in the relation set; false if the relation set is unchanged

### clear

public void **clear**()

Removes all the relations from the current relation set.

### size

public int **size**()

Returns the number of relations in the relation set.

### contains

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

Returns whether the relation set contains a relation that matches the specified key.

**Parameters:**key - the AccessibleRelation key **Returns:**true if the relation is in the relation set; otherwise false

### get

public [AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html) **get**([String](http://docs.google.com/java/lang/String.html) key)

Returns the relation that matches the specified key.

**Parameters:**key - the AccessibleRelation key **Returns:**the relation, if one exists, that matches the specified key. Otherwise, null is returned.

### toArray

public [AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)[] **toArray**()

Returns the current relation set as an array of AccessibleRelation

**Returns:**AccessibleRelation array contacting the current relation.

### toString

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

Creates a localized String representing all the relations in the set using the default locale.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**comma separated localized String**See Also:**[AccessibleBundle.toDisplayString(java.lang.String, java.util.Locale)](http://docs.google.com/javax/accessibility/AccessibleBundle.html#toDisplayString(java.lang.String,%20java.util.Locale))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AccessibleRelationSet.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/accessibility/AccessibleRelation.html)   [**NEXT CLASS**](http://docs.google.com/javax/accessibility/AccessibleResourceBundle.html) | [**FRAMES**](http://docs.google.com/index.html?javax/accessibility/AccessibleRelationSet.html)    [**NO FRAMES**](http://docs.google.com/AccessibleRelationSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

[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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