| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Role.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/management/relation/RelationTypeSupport.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/relation/RoleInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/relation/Role.html)    [**NO FRAMES**](http://docs.google.com/Role.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.management.relation**

Class Role

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.management.relation.Role**

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

public class **Role**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

Represents a role: includes a role name and referenced MBeans (via their ObjectNames). The role value is always represented as an ArrayList collection (of ObjectNames) to homogenize the access.

The **serialVersionUID** of this class is -279985518429862552L.

**Since:** 1.5 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.management.relation.Role)

| **Constructor Summary** | |
| --- | --- |
| [**Role**](http://docs.google.com/javax/management/relation/Role.html#Role(java.lang.String,%20java.util.List))([String](http://docs.google.com/java/lang/String.html) roleName, [List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> roleValue)            Make a new Role object. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/management/relation/Role.html#clone())()            Clone the role object. |
| [String](http://docs.google.com/java/lang/String.html) | [**getRoleName**](http://docs.google.com/javax/management/relation/Role.html#getRoleName())()            Retrieves role name. |
| [List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> | [**getRoleValue**](http://docs.google.com/javax/management/relation/Role.html#getRoleValue())()            Retrieves role value. |
| static [String](http://docs.google.com/java/lang/String.html) | [**roleValueToString**](http://docs.google.com/javax/management/relation/Role.html#roleValueToString(java.util.List))([List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> roleValue)            Returns a string for the given role value. |
| void | [**setRoleName**](http://docs.google.com/javax/management/relation/Role.html#setRoleName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) roleName)            Sets role name. |
| void | [**setRoleValue**](http://docs.google.com/javax/management/relation/Role.html#setRoleValue(java.util.List))([List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> roleValue)            Sets role value. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/management/relation/Role.html#toString())()            Returns a string describing the role. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [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)) |

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

### Role

public **Role**([String](http://docs.google.com/java/lang/String.html) roleName,  
 [List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> roleValue)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Make a new Role object. No check is made that the ObjectNames in the role value exist in an MBean server. That check will be made when the role is set in a relation.

**Parameters:**roleName - role nameroleValue - role value (List of ObjectName objects) **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if null parameter

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

### getRoleName

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

Retrieves role name.

**Returns:**the role name.**See Also:**[setRoleName(java.lang.String)](http://docs.google.com/javax/management/relation/Role.html#setRoleName(java.lang.String))

### getRoleValue

public [List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> **getRoleValue**()

Retrieves role value.

**Returns:**ArrayList of ObjectName objects for referenced MBeans.**See Also:**[setRoleValue(java.util.List)](http://docs.google.com/javax/management/relation/Role.html#setRoleValue(java.util.List))

### setRoleName

public void **setRoleName**([String](http://docs.google.com/java/lang/String.html) roleName)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets role name.

**Parameters:**roleName - role name **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if null parameter**See Also:**[getRoleName()](http://docs.google.com/javax/management/relation/Role.html#getRoleName())

### setRoleValue

public void **setRoleValue**([List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> roleValue)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Sets role value.

**Parameters:**roleValue - List of ObjectName objects for referenced MBeans. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if null parameter**See Also:**[getRoleValue()](http://docs.google.com/javax/management/relation/Role.html#getRoleValue())

### toString

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

Returns a string describing the role.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the description of the role.

### clone

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

Clone the role object.

**Overrides:**[clone](http://docs.google.com/java/lang/Object.html#clone()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a Role that is an independent copy of the current Role object.**See Also:**[Cloneable](http://docs.google.com/java/lang/Cloneable.html)

### roleValueToString

public static [String](http://docs.google.com/java/lang/String.html) **roleValueToString**([List](http://docs.google.com/java/util/List.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> roleValue)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Returns a string for the given role value.

**Parameters:**roleValue - List of ObjectName objects **Returns:**A String consisting of the ObjectNames separated by newlines (\n). **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if null parameter

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