| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ActivationGroupDesc.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/java/rmi/activation/ActivationGroup_Stub.html)   [**NEXT CLASS**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html) | [**FRAMES**](http://docs.google.com/index.html?java/rmi/activation/ActivationGroupDesc.html)    [**NO FRAMES**](http://docs.google.com/ActivationGroupDesc.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#17dp8vu) |

## **java.rmi.activation**

Class ActivationGroupDesc

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.rmi.activation.ActivationGroupDesc**

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

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

An activation group descriptor contains the information necessary to create/recreate an activation group in which to activate objects. Such a descriptor contains:

* the group's class name,
* the group's code location (the location of the group's class), and
* a "marshalled" object that can contain group specific initialization data.

The group's class must be a concrete subclass of ActivationGroup. A subclass of ActivationGroup is created/recreated via the ActivationGroup.createGroup static method that invokes a special constructor that takes two arguments:

* the group's ActivationGroupID, and
* the group's initialization data (in a java.rmi.MarshalledObject)

**Since:** 1.2 **See Also:**[ActivationGroup](http://docs.google.com/java/rmi/activation/ActivationGroup.html), [ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.rmi.activation.ActivationGroupDesc)

| **Nested Class Summary** | |
| --- | --- |
| static class | [**ActivationGroupDesc.CommandEnvironment**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html)            Startup options for ActivationGroup implementations. |

| **Constructor Summary** | |
| --- | --- |
| [**ActivationGroupDesc**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#ActivationGroupDesc(java.util.Properties,%20java.rmi.activation.ActivationGroupDesc.CommandEnvironment))([Properties](http://docs.google.com/java/util/Properties.html) overrides, [ActivationGroupDesc.CommandEnvironment](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html) cmd)            Constructs a group descriptor that uses the system defaults for group implementation and code location. |
| [**ActivationGroupDesc**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#ActivationGroupDesc(java.lang.String,%20java.lang.String,%20java.rmi.MarshalledObject,%20java.util.Properties,%20java.rmi.activation.ActivationGroupDesc.CommandEnvironment))([String](http://docs.google.com/java/lang/String.html) className, [String](http://docs.google.com/java/lang/String.html) location, [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> data, [Properties](http://docs.google.com/java/util/Properties.html) overrides, [ActivationGroupDesc.CommandEnvironment](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html) cmd)            Specifies an alternate group implementation and execution environment to be used for the group. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares two activation group descriptors for content equality. |
| [String](http://docs.google.com/java/lang/String.html) | [**getClassName**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#getClassName())()            Returns the group's class name (possibly null). |
| [ActivationGroupDesc.CommandEnvironment](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html) | [**getCommandEnvironment**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#getCommandEnvironment())()            Returns the group's command-environment control object. |
| [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> | [**getData**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#getData())()            Returns the group's initialization data. |
| [String](http://docs.google.com/java/lang/String.html) | [**getLocation**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#getLocation())()            Returns the group's code location. |
| [Properties](http://docs.google.com/java/util/Properties.html) | [**getPropertyOverrides**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#getPropertyOverrides())()            Returns the group's property-override list. |
| int | [**hashCode**](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html#hashCode())()            Produce identical numbers for similar ActivationGroupDescs. |

| **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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [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)) |

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

### ActivationGroupDesc

public **ActivationGroupDesc**([Properties](http://docs.google.com/java/util/Properties.html) overrides,  
 [ActivationGroupDesc.CommandEnvironment](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html) cmd)

Constructs a group descriptor that uses the system defaults for group implementation and code location. Properties specify Java environment overrides (which will override system properties in the group implementation's VM). The command environment can control the exact command/options used in starting the child VM, or can be null to accept rmid's default.

This constructor will create an ActivationGroupDesc with a null group class name, which indicates the system's default ActivationGroup implementation.

**Parameters:**overrides - the set of properties to set when the group is recreated.cmd - the controlling options for executing the VM in another process (or null).**Since:** 1.2

### ActivationGroupDesc

public **ActivationGroupDesc**([String](http://docs.google.com/java/lang/String.html) className,  
 [String](http://docs.google.com/java/lang/String.html) location,  
 [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> data,  
 [Properties](http://docs.google.com/java/util/Properties.html) overrides,  
 [ActivationGroupDesc.CommandEnvironment](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html) cmd)

Specifies an alternate group implementation and execution environment to be used for the group.

**Parameters:**className - the group's package qualified class name or null. A null group class name indicates the system's default ActivationGroup implementation.location - the location from where to load the group's classdata - the group's initialization data contained in marshalled form (could contain properties, for example)overrides - a properties map which will override those set by default in the subprocess environment (will be translated into -D options), or null.cmd - the controlling options for executing the VM in another process (or null).**Since:** 1.2

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

### getClassName

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

Returns the group's class name (possibly null). A null group class name indicates the system's default ActivationGroup implementation.

**Returns:**the group's class name**Since:** 1.2

### getLocation

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

Returns the group's code location.

**Returns:**the group's code location**Since:** 1.2

### getData

public [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> **getData**()

Returns the group's initialization data.

**Returns:**the group's initialization data**Since:** 1.2

### getPropertyOverrides

public [Properties](http://docs.google.com/java/util/Properties.html) **getPropertyOverrides**()

Returns the group's property-override list.

**Returns:**the property-override list, or null**Since:** 1.2

### getCommandEnvironment

public [ActivationGroupDesc.CommandEnvironment](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.CommandEnvironment.html) **getCommandEnvironment**()

Returns the group's command-environment control object.

**Returns:**the command-environment object, or null**Since:** 1.2

### equals

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

Compares two activation group descriptors for content equality.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the Object to compare with **Returns:**true if these Objects are equal; false otherwise.**Since:** 1.2 **See Also:**[Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Produce identical numbers for similar ActivationGroupDescs.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**an integer**See Also:**[Hashtable](http://docs.google.com/java/util/Hashtable.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ActivationGroupDesc.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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| SUMMARY: [NESTED](#3znysh7) | FIELD | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#17dp8vu) |

[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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