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

## **java.rmi.activation**

Interface ActivationInstantiator

**All Superinterfaces:** [Remote](http://docs.google.com/java/rmi/Remote.html) **All Known Implementing Classes:** [ActivationGroup](http://docs.google.com/java/rmi/activation/ActivationGroup.html), [ActivationGroup\_Stub](http://docs.google.com/java/rmi/activation/ActivationGroup_Stub.html)

public interface **ActivationInstantiator**extends [Remote](http://docs.google.com/java/rmi/Remote.html)

An ActivationInstantiator is responsible for creating instances of "activatable" objects. A concrete subclass of ActivationGroup implements the newInstance method to handle creating objects within the group.

**Since:** 1.2 **See Also:**[ActivationGroup](http://docs.google.com/java/rmi/activation/ActivationGroup.html)

| **Method Summary** | |
| --- | --- |
| [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<? extends [Remote](http://docs.google.com/java/rmi/Remote.html)> | [**newInstance**](http://docs.google.com/java/rmi/activation/ActivationInstantiator.html#newInstance(java.rmi.activation.ActivationID,%20java.rmi.activation.ActivationDesc))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, [ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) desc)            The activator calls an instantiator's newInstance method in order to recreate in that group an object with the activation identifier, id, and descriptor, desc. |

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

### newInstance

[MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<? extends [Remote](http://docs.google.com/java/rmi/Remote.html)> **newInstance**([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id,  
 [ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) desc)  
 throws [ActivationException](http://docs.google.com/java/rmi/activation/ActivationException.html),  
 [RemoteException](http://docs.google.com/java/rmi/RemoteException.html)

The activator calls an instantiator's newInstance method in order to recreate in that group an object with the activation identifier, id, and descriptor, desc. The instantiator is responsible for:

* determining the class for the object using the descriptor's getClassName method,
* loading the class from the code location obtained from the descriptor (using the getLocation method),
* creating an instance of the class by invoking the special "activation" constructor of the object's class that takes two arguments: the object's ActivationID, and the MarshalledObject containing object specific initialization data, and
* returning a MarshalledObject containing the stub for the remote object it created

**Parameters:**id - the object's activation identifierdesc - the object's descriptor **Returns:**a marshalled object containing the serialized representation of remote object's stub **Throws:** [ActivationException](http://docs.google.com/java/rmi/activation/ActivationException.html) - if object activation fails [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) - if remote call fails**Since:** 1.2

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

[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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