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[Skip navigation links](#1fob9te)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/IntrospectionContext.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/apache/commons/beanutils/FluentPropertyBeanIntrospector.html)
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/IntrospectionContext.html)
* [No Frames](http://docs.google.com/IntrospectionContext.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* [Method](#3znysh7)
* Detail:
* Field |
* Constr |
* [Method](#2et92p0)

org.apache.commons.beanutils

## Interface IntrospectionContext

* public interface IntrospectionContext  
  A context interface used during introspection for querying and setting property descriptors.  
  An implementation of this interface is passed to [BeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/BeanIntrospector.html) objects during processing of a bean class. It allows the BeanIntrospector to deliver descriptors for properties it has detected. It is also possible to find out which properties have already been found by another BeanIntrospector; this allows multiple BeanIntrospector instances to collaborate.Since: 1.9 Version: $Id$

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [addPropertyDescriptor](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html#addPropertyDescriptor-java.beans.PropertyDescriptor-)([PropertyDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/PropertyDescriptor.html?is-external=true) desc) Adds the given property descriptor to this context. |
| * + void | * + [addPropertyDescriptors](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html#addPropertyDescriptors-java.beans.PropertyDescriptor:A-)([PropertyDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/PropertyDescriptor.html?is-external=true)[] descriptors) Adds an array of property descriptors to this context. |
| * + [PropertyDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/PropertyDescriptor.html?is-external=true) | * + [getPropertyDescriptor](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html#getPropertyDescriptor-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Returns the descriptor for the property with the given name or **null** if this property is unknown. |
| * + [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> | * + [getTargetClass](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html#getTargetClass--)() Returns the class that is subject of introspection. |
| * + boolean | * + [hasProperty](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html#hasProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Tests whether a descriptor for the property with the given name is already contained in this context. |
| * + [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true)> | * + [propertyNames](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html#propertyNames--)() Returns a set with the names of all properties known to this context. |
| * + void | * + [removePropertyDescriptor](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html#removePropertyDescriptor-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Removes the descriptor for the property with the given name. |

### Method Detail

#### getTargetClass [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> getTargetClass() Returns the class that is subject of introspection.Returns: the current class

#### addPropertyDescriptor void addPropertyDescriptor([PropertyDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/PropertyDescriptor.html?is-external=true) desc) Adds the given property descriptor to this context. This method is called by a BeanIntrospector during introspection for each detected property. If this context already contains a descriptor for the affected property, it is overridden.Parameters: desc - the property descriptor

#### addPropertyDescriptors void addPropertyDescriptors([PropertyDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/PropertyDescriptor.html?is-external=true)[] descriptors) Adds an array of property descriptors to this context. Using this method multiple descriptors can be added at once.Parameters: descriptors - the array of descriptors to be added

#### hasProperty boolean hasProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Tests whether a descriptor for the property with the given name is already contained in this context. This method can be used for instance to prevent that an already existing property descriptor is overridden.Parameters: name - the name of the property in question Returns: **true** if a descriptor for this property has already been added, **false** otherwise

#### getPropertyDescriptor [PropertyDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/PropertyDescriptor.html?is-external=true) getPropertyDescriptor([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Returns the descriptor for the property with the given name or **null** if this property is unknown.Parameters: name - the name of the property in question Returns: the descriptor for this property or **null** if this property is unknown

#### removePropertyDescriptor void removePropertyDescriptor([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Removes the descriptor for the property with the given name.Parameters: name - the name of the affected property

#### propertyNames [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true)> propertyNames() Returns a set with the names of all properties known to this context.Returns: a set with the known property names

[Skip navigation links](#35nkun2)

* [Overview](http://docs.google.com/overview-summary.html)
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* Class
* [Use](http://docs.google.com/class-use/IntrospectionContext.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
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* [No Frames](http://docs.google.com/IntrospectionContext.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* [Method](#3znysh7)
* Detail:
* Field |
* Constr |
* [Method](#2et92p0)

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