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org.apache.commons.beanutils

## Class BeanToPropertyValueTransformer

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.beanutils.BeanToPropertyValueTransformer
* All Implemented Interfaces: org.apache.commons.collections.Transformer  
    
  public class BeanToPropertyValueTransformer  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements org.apache.commons.collections.Transformer
* Transformer that outputs a property value.  
  An implementation of org.apache.commons.collections.Transformer that transforms the object provided by returning the value of a specified property of the object. The constructor for BeanToPropertyValueTransformer requires the name of the property that will be used in the transformation. The property can be a simple, nested, indexed, or mapped property as defined by org.apache.commons.beanutils.PropertyUtils. If any object in the property path specified by propertyName is null then the outcome is based on the value of the ignoreNull attribute.  
  A typical usage might look like:  
   // create the transformer  
   BeanToPropertyValueTransformer transformer = new BeanToPropertyValueTransformer( "person.address.city" );  
    
   // transform the Collection  
   Collection peoplesCities = CollectionUtils.collect( peopleCollection, transformer );  
     
    
  This would take a Collection of person objects and return a Collection of objects which represents the cities in which each person lived. Assuming...
  + The top level object in the peeopleCollection is an object which represents a person.
  + The person object has a getAddress() method which returns an object which represents a person's address.
  + The address object has a getCity() method which returns an object which represents the city in which a person lives.

Version: $Id$ See Also: [PropertyUtils](http://docs.google.com/org/apache/commons/beanutils/PropertyUtils.html), Transformer

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [BeanToPropertyValueTransformer](http://docs.google.com/org/apache/commons/beanutils/BeanToPropertyValueTransformer.html#BeanToPropertyValueTransformer-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) propertyName) Constructs a Transformer which does not ignore nulls. |
| * + [BeanToPropertyValueTransformer](http://docs.google.com/org/apache/commons/beanutils/BeanToPropertyValueTransformer.html#BeanToPropertyValueTransformer-java.lang.String-boolean-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) propertyName, boolean ignoreNull) Constructs a Transformer and sets ignoreNull. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) | * + [getPropertyName](http://docs.google.com/org/apache/commons/beanutils/BeanToPropertyValueTransformer.html#getPropertyName--)() Returns the name of the property that will be used in the transformation of the bean. |
| * + boolean | * + [isIgnoreNull](http://docs.google.com/org/apache/commons/beanutils/BeanToPropertyValueTransformer.html#isIgnoreNull--)() Returns the flag which determines whether null objects in the property path will genenerate an IllegalArgumentException or not. |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [transform](http://docs.google.com/org/apache/commons/beanutils/BeanToPropertyValueTransformer.html#transform-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) object) Returns the value of the property named in the transformer's constructor for the object provided. |

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[clone](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#clone--), [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-), [finalize](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#finalize--), [getClass](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#getClass--), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--), [notify](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notify--), [notifyAll](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notifyAll--), [toString](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#toString--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-int-)

### Constructor Detail

#### BeanToPropertyValueTransformer public BeanToPropertyValueTransformer([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) propertyName) Constructs a Transformer which does not ignore nulls. Constructor which takes the name of the property that will be used in the transformation and assumes ignoreNull to be false.Parameters: propertyName - The name of the property that will be used in the transformation. Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - If the propertyName is null or empty.

#### BeanToPropertyValueTransformer public BeanToPropertyValueTransformer([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) propertyName, boolean ignoreNull) Constructs a Transformer and sets ignoreNull. Constructor which takes the name of the property that will be used in the transformation and a boolean which determines whether null objects in the property path will genenerate an IllegalArgumentException or not.Parameters: propertyName - The name of the property that will be used in the transformation. ignoreNull - Determines whether null objects in the property path will genenerate an IllegalArgumentException or not. Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - If the propertyName is null or empty.

### Method Detail

#### transform public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) transform([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) object) Returns the value of the property named in the transformer's constructor for the object provided. If any object in the property path leading up to the target property is null then the outcome will be based on the value of the ignoreNull attribute. By default, ignoreNull is false and would result in an IllegalArgumentException if an object in the property path leading up to the target property is null.Specified by: transform in interface org.apache.commons.collections.Transformer Parameters: object - The object to be transformed. Returns: The value of the property named in the transformer's constructor for the object provided. Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - If an IllegalAccessException, InvocationTargetException, or NoSuchMethodException is thrown when trying to access the property specified on the object provided. Or if an object in the property path provided is null and ignoreNull is set to false.

#### getPropertyName public [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) getPropertyName() Returns the name of the property that will be used in the transformation of the bean.Returns: The name of the property that will be used in the transformation of the bean.

#### isIgnoreNull public boolean isIgnoreNull() Returns the flag which determines whether null objects in the property path will genenerate an IllegalArgumentException or not. If set to true then if any objects in the property path evaluate to null then the IllegalArgumentException throw by PropertyUtils will be logged but not rethrown and null will be returned. If set to false then if any objects in the property path evaluate to null then the IllegalArgumentException throw by PropertyUtils will be logged and rethrown.Returns: The flag which determines whether null objects in the property path will genenerate an IllegalArgumentException or not.

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