JavaScript is disabled on your browser.

[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/InstantiateTransformer.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/collections4/functors/InstantiateFactory.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/functors/InvokerTransformer.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/functors/InstantiateTransformer.html)
* [No Frames](http://docs.google.com/InstantiateTransformer.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#3dy6vkm) |
* [Method](#4d34og8)

org.apache.commons.collections4.functors

## Class InstantiateTransformer<T>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.InstantiateTransformer<T>
* All Implemented Interfaces: [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends T>,T>  
    
  public class InstantiateTransformer<T>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends T>,T>  
  Transformer implementation that creates a new object instance by reflection.  
  **WARNING:** from v4.1 onwards this class will **not** be serializable anymore in order to prevent potential remote code execution exploits. Please refer to [COLLECTIONS-580](https://issues.apache.org/jira/browse/COLLECTIONS-580) for more details.Since: 3.0

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [InstantiateTransformer](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html#InstantiateTransformer-java.lang.Class:A-java.lang.Object:A-)([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?>[] paramTypes, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] args) Constructor that performs no validation. |

### Method SummaryAll Methods Static Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static <T> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends T>,T> | * + [instantiateTransformer](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html#instantiateTransformer--)() Get a typed no-arg instance. |
| * + static <T> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends T>,T> | * + [instantiateTransformer](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html#instantiateTransformer-java.lang.Class:A-java.lang.Object:A-)([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?>[] paramTypes, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] args) Transformer method that performs validation. |
| * + [T](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html) | * + [transform](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html#transform-java.lang.Class-)([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends [T](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html)> input) Transforms the input Class object to a result by instantiation. |

### 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

#### InstantiateTransformer public InstantiateTransformer([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?>[] paramTypes, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] args) Constructor that performs no validation. Use instantiateTransformer if you want that. Note: from 4.0, the input parameters will be clonedParameters: paramTypes - the constructor parameter types args - the constructor arguments

### Method Detail

#### instantiateTransformer public static <T> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends T>,T> instantiateTransformer() Get a typed no-arg instance.Type Parameters: T - the type of the objects to be created Returns: Transformer<Class<? extends T>, T>

#### instantiateTransformer public static <T> [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends T>,T> instantiateTransformer([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?>[] paramTypes, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] args) Transformer method that performs validation.Type Parameters: T - the type of the objects to be created Parameters: paramTypes - the constructor parameter types args - the constructor arguments Returns: an instantiate transformer Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if paramTypes does not match args

#### transform public [T](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html) transform([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends [T](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html)> input) Transforms the input Class object to a result by instantiation.Specified by: [transform](http://docs.google.com/org/apache/commons/collections4/Transformer.html#transform-I-) in interface [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<[Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<? extends [T](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html)>,[T](http://docs.google.com/org/apache/commons/collections4/functors/InstantiateTransformer.html)> Parameters: input - the input object to transform Returns: the transformed result

[Skip navigation links](#35nkun2)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/InstantiateTransformer.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/collections4/functors/InstantiateFactory.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/functors/InvokerTransformer.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/functors/InstantiateTransformer.html)
* [No Frames](http://docs.google.com/InstantiateTransformer.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#3dy6vkm) |
* [Method](#4d34og8)

Copyright © 2001–2019 [The Apache Software Foundation](https://www.apache.org/). All rights reserved.