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org.apache.commons.collections4.functors

## Class PrototypeFactory

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.PrototypeFactory
* public class PrototypeFactory  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  Factory implementation that creates a new instance each time based on a prototype.  
  **WARNING:** from v4.1 onwards [Factory](http://docs.google.com/org/apache/commons/collections4/Factory.html) instances returned by [prototypeFactory(Object)](http://docs.google.com/org/apache/commons/collections4/functors/PrototypeFactory.html#prototypeFactory-T-) 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

### Method SummaryAll Methods Static Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static <T> [Factory](http://docs.google.com/org/apache/commons/collections4/Factory.html)<T> | * + [prototypeFactory](http://docs.google.com/org/apache/commons/collections4/functors/PrototypeFactory.html#prototypeFactory-T-)(T prototype) Factory method that performs validation. |

### 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-)

### Method Detail

#### prototypeFactory public static <T> [Factory](http://docs.google.com/org/apache/commons/collections4/Factory.html)<T> prototypeFactory(T prototype)

* + - Factory method that performs validation.  
      Creates a Factory that will return a clone of the same prototype object each time the factory is used. The prototype will be cloned using one of these techniques (in order):
      * public clone method
      * public copy constructor
      * serialization clone

Type Parameters: T - the type the factory creates Parameters: prototype - the object to clone each time in the factory Returns: the prototype factory, or a [ConstantFactory.NULL\_INSTANCE](http://docs.google.com/org/apache/commons/collections4/functors/ConstantFactory.html#NULL_INSTANCE) if the prototype is null Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the prototype cannot be cloned

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