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org.apache.commons.collections4.map

## Class PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy<K,V>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.map.PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy<K,V>
* Type Parameters: K - the type of the keys in the map V - the type of the values in the map All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [PassiveExpiringMap.ExpirationPolicy](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ExpirationPolicy.html)<K,V> Enclosing class: [PassiveExpiringMap](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.html)>  
    
  public static class PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy<K,V>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [PassiveExpiringMap.ExpirationPolicy](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ExpirationPolicy.html)<K,V>  
  A [ExpirationPolicy](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ExpirationPolicy.html) that returns a expiration time that is a constant about of time in the future from the current time.Since: 4.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.map.PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy)

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [ConstantTimeToLiveExpirationPolicy](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html#ConstantTimeToLiveExpirationPolicy--)() Default constructor. |
| * + [ConstantTimeToLiveExpirationPolicy](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html#ConstantTimeToLiveExpirationPolicy-long-)(long timeToLiveMillis) Construct a policy with the given time-to-live constant measured in milliseconds. |
| * + [ConstantTimeToLiveExpirationPolicy](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html#ConstantTimeToLiveExpirationPolicy-long-java.util.concurrent.TimeUnit-)(long timeToLive, [TimeUnit](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/TimeUnit.html?is-external=true) timeUnit) Construct a policy with the given time-to-live constant measured in the given time unit of measure. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + long | * + [expirationTime](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html#expirationTime-K-V-)([K](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html) key, [V](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html) value) Determine the expiration time for the given key-value entry. |

### 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

#### ConstantTimeToLiveExpirationPolicy public ConstantTimeToLiveExpirationPolicy() Default constructor. Constructs a policy using a negative time-to-live value that results in entries never expiring.

#### ConstantTimeToLiveExpirationPolicy public ConstantTimeToLiveExpirationPolicy(long timeToLiveMillis) Construct a policy with the given time-to-live constant measured in milliseconds. A negative time-to-live value indicates entries never expire. A zero time-to-live value indicates entries expire (nearly) immediately.Parameters: timeToLiveMillis - the constant amount of time (in milliseconds) an entry is available before it expires. A negative value results in entries that NEVER expire. A zero value results in entries that ALWAYS expire.

#### ConstantTimeToLiveExpirationPolicy public ConstantTimeToLiveExpirationPolicy(long timeToLive, [TimeUnit](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/TimeUnit.html?is-external=true) timeUnit) Construct a policy with the given time-to-live constant measured in the given time unit of measure.Parameters: timeToLive - the constant amount of time an entry is available before it expires. A negative value results in entries that NEVER expire. A zero value results in entries that ALWAYS expire. timeUnit - the unit of time for the timeToLive parameter, must not be null. Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the time unit is null.

### Method Detail

#### expirationTime public long expirationTime([K](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html) key, [V](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html) value) Determine the expiration time for the given key-value entry.Specified by: [expirationTime](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ExpirationPolicy.html#expirationTime-K-V-) in interface [PassiveExpiringMap.ExpirationPolicy](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ExpirationPolicy.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html)> Parameters: key - the key for the entry (ignored). value - the value for the entry (ignored). Returns: if [timeToLiveMillis](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html#timeToLiveMillis) ≥ 0, an expiration time of [timeToLiveMillis](http://docs.google.com/org/apache/commons/collections4/map/PassiveExpiringMap.ConstantTimeToLiveExpirationPolicy.html#timeToLiveMillis) + [System.currentTimeMillis()](https://docs.oracle.com/javase/7/docs/api/java/lang/System.html?is-external=true#currentTimeMillis--) is returned. Otherwise, -1 is returned indicating the entry never expires.

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