| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BeanContextChildSupport.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/beans/beancontext/BeanContextChildComponentProxy.html)   [**NEXT CLASS**](http://docs.google.com/java/beans/beancontext/BeanContextContainerProxy.html) | [**FRAMES**](http://docs.google.com/index.html?java/beans/beancontext/BeanContextChildSupport.html)    [**NO FRAMES**](http://docs.google.com/BeanContextChildSupport.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#lnxbz9) | [METHOD](#44sinio) |

## **java.beans.beancontext**

Class BeanContextChildSupport

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.beans.beancontext.BeanContextChildSupport**

**All Implemented Interfaces:** [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html), [BeanContextServiceRevokedListener](http://docs.google.com/java/beans/beancontext/BeanContextServiceRevokedListener.html), [BeanContextServicesListener](http://docs.google.com/java/beans/beancontext/BeanContextServicesListener.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [EventListener](http://docs.google.com/java/util/EventListener.html) **Direct Known Subclasses:** [BeanContextSupport](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html)

public class **BeanContextChildSupport**extends [Object](http://docs.google.com/java/lang/Object.html)implements [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html), [BeanContextServicesListener](http://docs.google.com/java/beans/beancontext/BeanContextServicesListener.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

This is a general support class to provide support for implementing the BeanContextChild protocol. This class may either be directly subclassed, or encapsulated and delegated to in order to implement this interface for a given component.

**Since:** 1.2 **See Also:**[BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html), [BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html), [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.beans.beancontext.BeanContextChildSupport)

| **Field Summary** | |
| --- | --- |
| protected  [BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) | [**beanContext**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#beanContext) |
| [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) | [**beanContextChildPeer**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#beanContextChildPeer)            The BeanContext in which this BeanContextChild is nested. |
| protected  [PropertyChangeSupport](http://docs.google.com/java/beans/PropertyChangeSupport.html) | [**pcSupport**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#pcSupport)            The PropertyChangeSupport associated with this BeanContextChildSupport. |
| protected  boolean | [**rejectedSetBCOnce**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#rejectedSetBCOnce)            A flag indicating that there has been at least one PropertyChangeVetoException thrown for the attempted setBeanContext operation. |
| protected  [VetoableChangeSupport](http://docs.google.com/java/beans/VetoableChangeSupport.html) | [**vcSupport**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#vcSupport)            The VetoableChangeSupport associated with this BeanContextChildSupport. |

| **Constructor Summary** | |
| --- | --- |
| [**BeanContextChildSupport**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#BeanContextChildSupport())()            construct a BeanContextChildSupport where this class has been subclassed in order to implement the JavaBean component itself. |
| [**BeanContextChildSupport**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#BeanContextChildSupport(java.beans.beancontext.BeanContextChild))([BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) bcc)            construct a BeanContextChildSupport where the JavaBean component itself implements BeanContextChild, and encapsulates this, delegating that interface to this implementation |

| **Method Summary** | |
| --- | --- |
| void | [**addPropertyChangeListener**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#addPropertyChangeListener(java.lang.String,%20java.beans.PropertyChangeListener))([String](http://docs.google.com/java/lang/String.html) name, [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) pcl)            Add a PropertyChangeListener for a specific property. |
| void | [**addVetoableChangeListener**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#addVetoableChangeListener(java.lang.String,%20java.beans.VetoableChangeListener))([String](http://docs.google.com/java/lang/String.html) name, [VetoableChangeListener](http://docs.google.com/java/beans/VetoableChangeListener.html) vcl)            Add a VetoableChangeListener for a specific property. |
| void | [**firePropertyChange**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#firePropertyChange(java.lang.String,%20java.lang.Object,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) oldValue, [Object](http://docs.google.com/java/lang/Object.html) newValue)            Report a bound property update to any registered listeners. |
| void | [**fireVetoableChange**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#fireVetoableChange(java.lang.String,%20java.lang.Object,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) oldValue, [Object](http://docs.google.com/java/lang/Object.html) newValue)            Report a vetoable property update to any registered listeners. |
| [BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) | [**getBeanContext**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#getBeanContext())()            Gets the nesting BeanContext for this BeanContextChildSupport. |
| [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) | [**getBeanContextChildPeer**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#getBeanContextChildPeer())()            Gets the BeanContextChild associated with this BeanContextChildSupport. |
| protected  void | [**initializeBeanContextResources**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#initializeBeanContextResources())()            This method may be overridden by subclasses to provide their own initialization behaviors. |
| boolean | [**isDelegated**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#isDelegated())()            Reports whether or not this class is a delegate of another. |
| protected  void | [**releaseBeanContextResources**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#releaseBeanContextResources())()            This method may be overridden by subclasses to provide their own release behaviors. |
| void | [**removePropertyChangeListener**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#removePropertyChangeListener(java.lang.String,%20java.beans.PropertyChangeListener))([String](http://docs.google.com/java/lang/String.html) name, [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) pcl)            Remove a PropertyChangeListener for a specific property. |
| void | [**removeVetoableChangeListener**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#removeVetoableChangeListener(java.lang.String,%20java.beans.VetoableChangeListener))([String](http://docs.google.com/java/lang/String.html) name, [VetoableChangeListener](http://docs.google.com/java/beans/VetoableChangeListener.html) vcl)            Removes a VetoableChangeListener. |
| void | [**serviceAvailable**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#serviceAvailable(java.beans.beancontext.BeanContextServiceAvailableEvent))([BeanContextServiceAvailableEvent](http://docs.google.com/java/beans/beancontext/BeanContextServiceAvailableEvent.html) bcsae)            A new service is available from the nesting BeanContext. |
| void | [**serviceRevoked**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#serviceRevoked(java.beans.beancontext.BeanContextServiceRevokedEvent))([BeanContextServiceRevokedEvent](http://docs.google.com/java/beans/beancontext/BeanContextServiceRevokedEvent.html) bcsre)            A service provided by the nesting BeanContext has been revoked. |
| void | [**setBeanContext**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#setBeanContext(java.beans.beancontext.BeanContext))([BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) bc)            Sets the BeanContext for this BeanContextChildSupport. |
| boolean | [**validatePendingSetBeanContext**](http://docs.google.com/java/beans/beancontext/BeanContextChildSupport.html#validatePendingSetBeanContext(java.beans.beancontext.BeanContext))([BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) newValue)            Called from setBeanContext to validate (or otherwise) the pending change in the nesting BeanContext property value. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Field Detail** |
| --- |

### beanContextChildPeer

public [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **beanContextChildPeer**

The BeanContext in which this BeanContextChild is nested.

### pcSupport

protected [PropertyChangeSupport](http://docs.google.com/java/beans/PropertyChangeSupport.html) **pcSupport**

The PropertyChangeSupport associated with this BeanContextChildSupport.

### vcSupport

protected [VetoableChangeSupport](http://docs.google.com/java/beans/VetoableChangeSupport.html) **vcSupport**

The VetoableChangeSupport associated with this BeanContextChildSupport.

### beanContext

protected transient [BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) **beanContext**

### rejectedSetBCOnce

protected transient boolean **rejectedSetBCOnce**

A flag indicating that there has been at least one PropertyChangeVetoException thrown for the attempted setBeanContext operation.

| **Constructor Detail** |
| --- |

### BeanContextChildSupport

public **BeanContextChildSupport**()

construct a BeanContextChildSupport where this class has been subclassed in order to implement the JavaBean component itself.

### BeanContextChildSupport

public **BeanContextChildSupport**([BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) bcc)

construct a BeanContextChildSupport where the JavaBean component itself implements BeanContextChild, and encapsulates this, delegating that interface to this implementation

| **Method Detail** |
| --- |

### setBeanContext

public void **setBeanContext**([BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) bc)  
 throws [PropertyVetoException](http://docs.google.com/java/beans/PropertyVetoException.html)

Sets the BeanContext for this BeanContextChildSupport.

**Specified by:**[setBeanContext](http://docs.google.com/java/beans/beancontext/BeanContextChild.html#setBeanContext(java.beans.beancontext.BeanContext)) in interface [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **Parameters:**bc - the new value to be assigned to the BeanContext property **Throws:** PropertyVetoException - if the change is rejected [PropertyVetoException](http://docs.google.com/java/beans/PropertyVetoException.html)

### getBeanContext

public [BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) **getBeanContext**()

Gets the nesting BeanContext for this BeanContextChildSupport.

**Specified by:**[getBeanContext](http://docs.google.com/java/beans/beancontext/BeanContextChild.html#getBeanContext()) in interface [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **Returns:**the nesting BeanContext for this BeanContextChildSupport.

### addPropertyChangeListener

public void **addPropertyChangeListener**([String](http://docs.google.com/java/lang/String.html) name,  
 [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) pcl)

Add a PropertyChangeListener for a specific property. The same listener object may be added more than once. For each property, the listener will be invoked the number of times it was added for that property. If name or pcl is null, no exception is thrown and no action is taken.

**Specified by:**[addPropertyChangeListener](http://docs.google.com/java/beans/beancontext/BeanContextChild.html#addPropertyChangeListener(java.lang.String,%20java.beans.PropertyChangeListener)) in interface [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **Parameters:**name - The name of the property to listen onpcl - The PropertyChangeListener to be added

### removePropertyChangeListener

public void **removePropertyChangeListener**([String](http://docs.google.com/java/lang/String.html) name,  
 [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) pcl)

Remove a PropertyChangeListener for a specific property. If pcl was added more than once to the same event source for the specified property, it will be notified one less time after being removed. If name is null, no exception is thrown and no action is taken. If pcl is null, or was never added for the specified property, no exception is thrown and no action is taken.

**Specified by:**[removePropertyChangeListener](http://docs.google.com/java/beans/beancontext/BeanContextChild.html#removePropertyChangeListener(java.lang.String,%20java.beans.PropertyChangeListener)) in interface [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **Parameters:**name - The name of the property that was listened onpcl - The PropertyChangeListener to be removed

### addVetoableChangeListener

public void **addVetoableChangeListener**([String](http://docs.google.com/java/lang/String.html) name,  
 [VetoableChangeListener](http://docs.google.com/java/beans/VetoableChangeListener.html) vcl)

Add a VetoableChangeListener for a specific property. The same listener object may be added more than once. For each property, the listener will be invoked the number of times it was added for that property. If name or vcl is null, no exception is thrown and no action is taken.

**Specified by:**[addVetoableChangeListener](http://docs.google.com/java/beans/beancontext/BeanContextChild.html#addVetoableChangeListener(java.lang.String,%20java.beans.VetoableChangeListener)) in interface [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **Parameters:**name - The name of the property to listen onvcl - The VetoableChangeListener to be added

### removeVetoableChangeListener

public void **removeVetoableChangeListener**([String](http://docs.google.com/java/lang/String.html) name,  
 [VetoableChangeListener](http://docs.google.com/java/beans/VetoableChangeListener.html) vcl)

Removes a VetoableChangeListener. If pcl was added more than once to the same event source for the specified property, it will be notified one less time after being removed. If name is null, no exception is thrown and no action is taken. If vcl is null, or was never added for the specified property, no exception is thrown and no action is taken.

**Specified by:**[removeVetoableChangeListener](http://docs.google.com/java/beans/beancontext/BeanContextChild.html#removeVetoableChangeListener(java.lang.String,%20java.beans.VetoableChangeListener)) in interface [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **Parameters:**name - The name of the property that was listened onvcl - The VetoableChangeListener to be removed

### serviceRevoked

public void **serviceRevoked**([BeanContextServiceRevokedEvent](http://docs.google.com/java/beans/beancontext/BeanContextServiceRevokedEvent.html) bcsre)

A service provided by the nesting BeanContext has been revoked. Subclasses may override this method in order to implement their own behaviors.

**Specified by:**[serviceRevoked](http://docs.google.com/java/beans/beancontext/BeanContextServiceRevokedListener.html#serviceRevoked(java.beans.beancontext.BeanContextServiceRevokedEvent)) in interface [BeanContextServiceRevokedListener](http://docs.google.com/java/beans/beancontext/BeanContextServiceRevokedListener.html) **Parameters:**bcsre - The BeanContextServiceRevokedEvent fired as a result of a service being revoked

### serviceAvailable

public void **serviceAvailable**([BeanContextServiceAvailableEvent](http://docs.google.com/java/beans/beancontext/BeanContextServiceAvailableEvent.html) bcsae)

A new service is available from the nesting BeanContext. Subclasses may override this method in order to implement their own behaviors

**Specified by:**[serviceAvailable](http://docs.google.com/java/beans/beancontext/BeanContextServicesListener.html#serviceAvailable(java.beans.beancontext.BeanContextServiceAvailableEvent)) in interface [BeanContextServicesListener](http://docs.google.com/java/beans/beancontext/BeanContextServicesListener.html) **Parameters:**bcsae - The BeanContextServiceAvailableEvent fired as a result of a service becoming available

### getBeanContextChildPeer

public [BeanContextChild](http://docs.google.com/java/beans/beancontext/BeanContextChild.html) **getBeanContextChildPeer**()

Gets the BeanContextChild associated with this BeanContextChildSupport.

**Returns:**the BeanContextChild peer of this class

### isDelegated

public boolean **isDelegated**()

Reports whether or not this class is a delegate of another.

**Returns:**true if this class is a delegate of another

### firePropertyChange

public void **firePropertyChange**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) oldValue,  
 [Object](http://docs.google.com/java/lang/Object.html) newValue)

Report a bound property update to any registered listeners. No event is fired if old and new are equal and non-null.

**Parameters:**name - The programmatic name of the property that was changedoldValue - The old value of the propertynewValue - The new value of the property

### fireVetoableChange

public void **fireVetoableChange**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) oldValue,  
 [Object](http://docs.google.com/java/lang/Object.html) newValue)  
 throws [PropertyVetoException](http://docs.google.com/java/beans/PropertyVetoException.html)

Report a vetoable property update to any registered listeners. If anyone vetos the change, then fire a new event reverting everyone to the old value and then rethrow the PropertyVetoException.

No event is fired if old and new are equal and non-null.

**Parameters:**name - The programmatic name of the property that is about to changeoldValue - The old value of the propertynewValue - - The new value of the property **Throws:** [PropertyVetoException](http://docs.google.com/java/beans/PropertyVetoException.html) - if the recipient wishes the property change to be rolled back.

### validatePendingSetBeanContext

public boolean **validatePendingSetBeanContext**([BeanContext](http://docs.google.com/java/beans/beancontext/BeanContext.html) newValue)

Called from setBeanContext to validate (or otherwise) the pending change in the nesting BeanContext property value. Returning false will cause setBeanContext to throw PropertyVetoException.

**Parameters:**newValue - the new value that has been requested for the BeanContext property **Returns:**true if the change operation is to be vetoed

### releaseBeanContextResources

protected void **releaseBeanContextResources**()

This method may be overridden by subclasses to provide their own release behaviors. When invoked any resources held by this instance obtained from its current BeanContext property should be released since the object is no longer nested within that BeanContext.

### initializeBeanContextResources

protected void **initializeBeanContextResources**()

This method may be overridden by subclasses to provide their own initialization behaviors. When invoked any resources requried by the BeanContextChild should be obtained from the current BeanContext.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BeanContextChildSupport.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/beans/beancontext/BeanContextChildComponentProxy.html)   [**NEXT CLASS**](http://docs.google.com/java/beans/beancontext/BeanContextContainerProxy.html) | [**FRAMES**](http://docs.google.com/index.html?java/beans/beancontext/BeanContextChildSupport.html)    [**NO FRAMES**](http://docs.google.com/BeanContextChildSupport.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#lnxbz9) | [METHOD](#44sinio) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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