| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BeanContextServiceProvider.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/BeanContextServiceAvailableEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/beans/beancontext/BeanContextServiceProviderBeanInfo.html) | [**FRAMES**](http://docs.google.com/index.html?java/beans/beancontext/BeanContextServiceProvider.html)    [**NO FRAMES**](http://docs.google.com/BeanContextServiceProvider.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.beans.beancontext**

Interface BeanContextServiceProvider

**All Known Implementing Classes:** [BeanContextServicesSupport.BCSSProxyServiceProvider](http://docs.google.com/java/beans/beancontext/BeanContextServicesSupport.BCSSProxyServiceProvider.html)

public interface **BeanContextServiceProvider**

One of the primary functions of a BeanContext is to act a as rendezvous between JavaBeans, and BeanContextServiceProviders.

A JavaBean nested within a BeanContext, may ask that BeanContext to provide an instance of a "service", based upon a reference to a Java Class object that represents that service.

If such a service has been registered with the context, or one of its nesting context's, in the case where a context delegate to its context to satisfy a service request, then the BeanContextServiceProvider associated with the service is asked to provide an instance of that service.

The ServcieProvider may always return the same instance, or it may construct a new instance for each request.

| **Method Summary** | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | [**getCurrentServiceSelectors**](http://docs.google.com/java/beans/beancontext/BeanContextServiceProvider.html#getCurrentServiceSelectors(java.beans.beancontext.BeanContextServices,%20java.lang.Class))([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs, [Class](http://docs.google.com/java/lang/Class.html) serviceClass)            Invoked by BeanContextServices, this method gets the current service selectors for the specified service. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getService**](http://docs.google.com/java/beans/beancontext/BeanContextServiceProvider.html#getService(java.beans.beancontext.BeanContextServices,%20java.lang.Object,%20java.lang.Class,%20java.lang.Object))([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs, [Object](http://docs.google.com/java/lang/Object.html) requestor, [Class](http://docs.google.com/java/lang/Class.html) serviceClass, [Object](http://docs.google.com/java/lang/Object.html) serviceSelector)            Invoked by BeanContextServices, this method requests an instance of a service from this BeanContextServiceProvider. |
| void | [**releaseService**](http://docs.google.com/java/beans/beancontext/BeanContextServiceProvider.html#releaseService(java.beans.beancontext.BeanContextServices,%20java.lang.Object,%20java.lang.Object))([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs, [Object](http://docs.google.com/java/lang/Object.html) requestor, [Object](http://docs.google.com/java/lang/Object.html) service)            Invoked by BeanContextServices, this method releases a nested BeanContextChild's (or any arbitrary object associated with a BeanContextChild) reference to the specified service. |

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

### getService

[Object](http://docs.google.com/java/lang/Object.html) **getService**([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs,  
 [Object](http://docs.google.com/java/lang/Object.html) requestor,  
 [Class](http://docs.google.com/java/lang/Class.html) serviceClass,  
 [Object](http://docs.google.com/java/lang/Object.html) serviceSelector)

Invoked by BeanContextServices, this method requests an instance of a service from this BeanContextServiceProvider.

**Parameters:**bcs - The BeanContextServices associated with this particular request. This parameter enables the BeanContextServiceProvider to distinguish service requests from multiple sources.requestor - The object requesting the serviceserviceClass - The service requestedserviceSelector - the service dependent parameter for a particular service, or null if not applicable. **Returns:**a reference to the requested service

### releaseService

void **releaseService**([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs,  
 [Object](http://docs.google.com/java/lang/Object.html) requestor,  
 [Object](http://docs.google.com/java/lang/Object.html) service)

Invoked by BeanContextServices, this method releases a nested BeanContextChild's (or any arbitrary object associated with a BeanContextChild) reference to the specified service.

**Parameters:**bcs - the BeanContextServices associated with this particular release requestrequestor - the object requesting the service to be releasedservice - the service that is to be released

### getCurrentServiceSelectors

[Iterator](http://docs.google.com/java/util/Iterator.html) **getCurrentServiceSelectors**([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs,  
 [Class](http://docs.google.com/java/lang/Class.html) serviceClass)

Invoked by BeanContextServices, this method gets the current service selectors for the specified service. A service selector is a service specific parameter, typical examples of which could include: a parameter to a constructor for the service implementation class, a value for a particular service's property, or a key into a map of existing implementations.

**Parameters:**bcs - the BeanContextServices for this requestserviceClass - the specified service **Returns:**the current service selectors for the specified serviceClass

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BeanContextServiceProvider.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/BeanContextServiceAvailableEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/beans/beancontext/BeanContextServiceProviderBeanInfo.html) | [**FRAMES**](http://docs.google.com/index.html?java/beans/beancontext/BeanContextServiceProvider.html)    [**NO FRAMES**](http://docs.google.com/BeanContextServiceProvider.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).