

COMMON CONTROLS

Bean access

Storing a control in the session and referencing it from the JSP page

Impressum

PUBLISHED BY

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1 Accessing the control

A control outlives the single page call: it is held in the session or in the request, and the tag on the JSP page has to find it there again. There are three cases.

1.1 Case A: a bean of its own

The control instance is stored as a Java bean in the user session under the key "mybean".

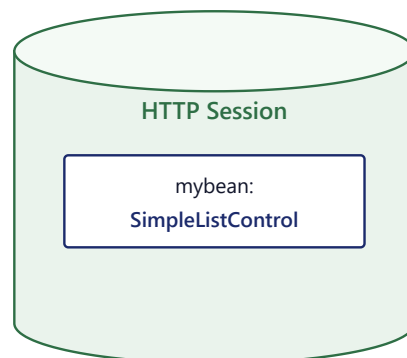


Figure 1: The control is held in the session under a key of its own.

JSP

```
1 <ctrl:list  
2   name="mybean"  
3   scope="session"  
4   ...>  
5   ...  
6 </ctrl:list>
```

The scope attribute is not required. If it is not specified, the framework searches for the bean in every scope.

1.2 Case B: property of a bean

The control instance is a member of a Java bean which is stored under the key "mybean" in the user session. The name of the member is "userlist" and the bean class has a property accessor method: public SimpleListControl getUserlist().

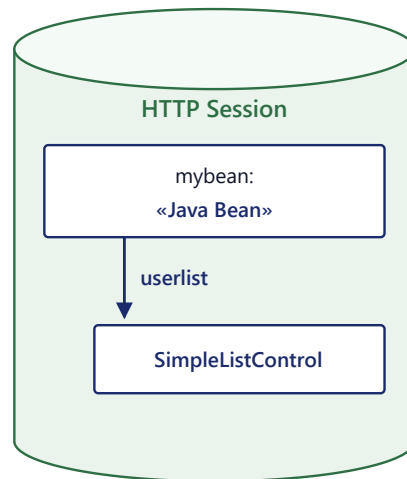


Figure 2: The control hangs off a bean in the session as one of its properties.

JSP

```
1 <ctrl:list  
2   name="mybean"  
3   property="userlist"  
4   scope="session"  
5   ...>  
6   ...  
7 </ctrl:list>
```

Here too the scope attribute is not required: without it the framework searches for the bean in every scope.

1.3 Case C: Struts form

The control is stored as a property "userlist" in a Struts form bean.

Struts internals: the `<html:form>` tag places the action form bean in the HTTP request under the key `org.apache.struts.taglib.html.BEAN`. A Common Controls tag knows when it is surrounded by a Struts `<html:form> ... </html:form>` tag and searches for the bean under this key. The name and scope attributes are therefore not needed.

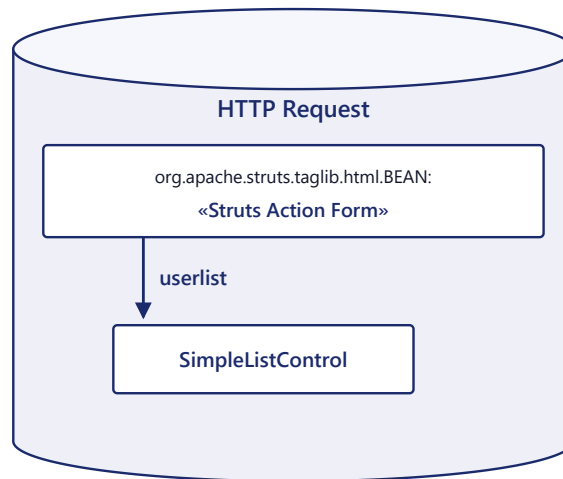


Figure 3: Inside a Struts form the tag finds the bean by itself.

JSP

```
1 <html:form ...>
2   <ctrl:list
3     property="userlist"
4     ...>
5     ...
6   </ctrl:list>
7 </html:form>
```