

EL3

EL implicit objects

JSF provides several objects related to the current request and environment

EL exposes these objects (known as implicit objects) that can be accessed at runtime in a Facelet.

For each expression, EL first checks if the value of the base is one of these implicit objects, and, if it is not, then it will check beans in progressively wider scopes (from request to view, and finally to application scope).

In EL, the part of the expression before the dot or the square bracket is named base and it usually indicates where the bean instances should be located.

The part after the first dot, or the square bracket, is called a *property* and is recursively cracked in smaller parts, which represents the bean's properties to get from the base.

Implicit object EL	Type	Description
<code>#{application}</code>	ServletContext or PortletContext	This is an instance of ServletContext or PortletContext.
<code>#{facesContext}</code>	FacesContext	This is an instance of FacesContext.
<code>#{initParam}</code>	Map	This is the context initialization parameter map returned by <code>getInitParameterMap</code> .
<code>#{session}</code>	HttpSession or PortletSession	This is an instance of HttpSession or PortletSession.
<code>#{view}</code>	UIViewRoot	This is the current UIViewRoot (the root of the UIComponent tree).
<code>#{component}</code>	UIComponent	This is the current UIComponent.
<code>#{cc}</code>	UIComponent	This is the composite component currently being processed.
<code>#{request}</code>	ServletRequest or PortletRequest	This is an instance of ServletRequest or PortletRequest.
<code>#{applicationScope}</code>	Map	This is a map to store application-scoped data returned by <code>getApplicationMap</code> .
<code>#{sessionScope}</code>	Map	This is a map to store session-scoped data returned by <code>getSessionMap</code> .
<code>#{viewScope}</code>	Map	This is a map to store current view scoped data returned by <code>getViewMap</code> .
<code>#{requestScope}</code>	Map	This is a map to store request-scoped data returned by <code>getRequestMap</code> .
<code>#{flowScope}</code>	Map	This is a map to store flow-scoped data returned by <code>facesContext.getApplication().getFlowHandler().getCurrentFlowScope()</code> .

<code>#{flash}</code>	Map	This is a map that contains values present only on the “next” request.
<code>#{param}</code>	Map	This is a map view of all the query parameters for this request. It is returned by <code>getRequestParameterMap</code> .
<code>#{paramValues}</code>	Map	This is the request parameter value map returned by <code>getRequestParameterValuesMap</code> .
<code>#{header}</code>	Map	This is a map view of all the HTTP headers for this request returned by <code>getRequestHeaderMap</code> .
<code>#{headerValue}</code>	Map	This is the request header values map returned by <code>getRequestHeaderValuesMap</code> . Each value in the map is an array of strings that contains all the values for that key.
<code>#{cookie}</code>	Map	This is a map view of values in the HTTP Set-Cookie header returned by <code>getRequestCookieMap</code> .
<code>#{resource}</code>	Resource	This is a JSF resource identifier to a concrete resource URL.