[struts2取得request,session,appilcation的方法](http://blog.csdn.net/randomnet/article/details/8629974)

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1. Map类型——request,session,application
3. 真实类型——HttpServletRequest,HttpSession,ServletContext
5. Map类型是Struts对真实类型的一个封装，会将真实类型映射到Map类型中


9. 取得上述元素有以下4种方法
11. 1  通过ActionContext来访问request,session,application对象
13. 2  通过实现RequestAware、SessionAware、ApplicationAware
15. 接口来访问request,session,application对象(常用)
17. 3  通过ServletActionContext来访问request,session,application对象
19. 4  通过实现ServletRequestAware接口来访问request,session,application对象

22. 第一种方法
24. **package** com.bjsxt.struts2.user.action;
26. **import** java.util.Map;
27. **import** com.opensymphony.xwork2.ActionContext;
28. **import** com.opensymphony.xwork2.ActionSupport;
30. **public** **class** LoginAction1 **extends** ActionSupport {
32. **private** Map request;
33. **private** Map session;
34. **private** Map application;
36. **public** LoginAction1() {
37. request = (Map)ActionContext.getContext().get("request");
38. session = ActionContext.getContext().getSession();
39. application = ActionContext.getContext().getApplication();
40. }
42. **public** String execute() {
43. request.put("r1", "r1");
44. session.put("s1", "s1");
45. application.put("a1", "a1");
47. **return** SUCCESS;
48. }
49. }
50. 通过取得Struts的Action的上下文来取得上述三种元素，map类型的。



55. 方法二
57. **package** com.bjsxt.struts2.user.action;
59. **import** java.util.Map;
60. **import** org.apache.struts2.interceptor.ApplicationAware;
61. **import** org.apache.struts2.interceptor.RequestAware;
62. **import** org.apache.struts2.interceptor.SessionAware;
64. **import** com.opensymphony.xwork2.ActionContext;
65. **import** com.opensymphony.xwork2.ActionSupport;
67. **public** **class** LoginAction2 **extends** ActionSupport
68. **implements** RequestAware,SessionAware,ApplicationAware {
70. **private** Map<String, Object> request;
71. **private** Map<String, Object> session;
72. **private** Map<String, Object> application;
74. // IOC
76. **public** String execute() {
77. request.put("r1", "r1");
78. session.put("s1", "s1");
79. application.put("a1", "a1");
81. **return** SUCCESS;
82. }
84. @Override
85. **public** **void** setRequest(Map<String, Object> request) {
86. **this**.request = request;
87. }
89. @Override
90. **public** **void** setSession(Map<String, Object> session) {
91. **this**.session = session;
92. }
94. @Override
95. **public** **void** setApplication(Map<String, Object> application) {
96. **this**.application = application;
97. }
98. }

101. 通过Struts注入进来三个元素，map类型。
103. 前台jsp页面获取后台值的方式
105. <s:property value="#request.r1> | <%=request.getAttribute("r1")%>
106. <s:property value="#session.s1"/> | <%=session.getAttribute("s1")%>
107. <s:property value="#application.a1"/> |<%=application.getAttribute("a1")%>


111. 方法三
113. **package** com.bjsxt.struts2.user.action;
115. **import** javax.servlet.ServletContext;
116. **import** javax.servlet.http.HttpServletRequest;
117. **import** javax.servlet.http.HttpSession;
119. **import** org.apache.struts2.ServletActionContext;
121. **import** com.opensymphony.xwork2.ActionSupport;
123. **public** **class** LoginAction3 **extends** ActionSupport {
125. **private** HttpServletRequest request;
126. **private** HttpSession session;
127. **private** ServletContext application;
129. **public** LoginAction3() {
130. request = ServletActionContext.getRequest();
131. session = request.getSession();
132. application = session.getServletContext();
133. }
135. **public** String execute() {
136. request.setAttribute("r1", "r1");
137. session.setAttribute("s1", "s1");
138. application.setAttribute("a1", "a1");
139. **return** SUCCESS;
140. }
141. }

144. 取得的是真实的类型

147. 方法四
148. **package** com.bjsxt.struts2.user.action;
150. **import** javax.servlet.ServletContext;
151. **import** javax.servlet.http.HttpServletRequest;
152. **import** javax.servlet.http.HttpSession;
154. **import** org.apache.struts2.interceptor.ServletRequestAware;
156. **import** com.opensymphony.xwork2.ActionSupport;
158. **public** **class** LoginAction4 **extends** ActionSupport **implements** ServletRequestAware {
160. **private** HttpServletRequest request;
161. **private** HttpSession session;
162. **private** ServletContext application;

165. **public** String execute() {
166. request.setAttribute("r1", "r1");
167. session.setAttribute("s1", "s1");
168. application.setAttribute("a1", "a1");
170. **return** SUCCESS;
171. }
173. @Override
174. **public** **void** setServletRequest(HttpServletRequest request) {
175. **this**.request = request;
176. **this**.session = request.getSession();
177. **this**.application = session.getServletContext();
178. }
179. }