

# Using the Request and Server Context Through Built-in Object

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# Module Overview



**Request**

**Response**

**PageContext**

**Out**

**Session**

**Application**

**Config**



# Request

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# Request Object Methods

`setAttribute`

`getAttribute`

`getCookies()`

`getHeaderNames()`

`getHeader(string name)`

`getMethod()`

`getParameter(string name)`

`getQueryString(string name)`

`getLocale()`



# Response

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# response object

```
...ing type)  
...e("text/html")
```

```
setIntHeader  
response
```

```
sendRedirect(String location)  
response.sendRedirect("sucess.jsp")
```

```
addCookie(Cookie cookie)  
response.addCookie(userCookie)
```



Out



## In Servlets

```
PrintWriter out = response.getWriter();
```

## In JSP

Out [Builtin Object]

```
jspWriter out = pageContext.getOut();
```

➤ Throws IOException





# Out Builtin Object Methods

**print**

**println**

**flush**



```
out.print("Today is:"+java.util.Calendar.getInstance().getTime());
```

## Syntax

To display the current date and time



# PageContext

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# Important Methods to PageContext

**setAttribute**

**getAttribute**

**findAttribute**

**removeAttribute**



```
<%Float no1=new Float (62.5)%>  
<%pageContext.setAttribute("no1",no1);  
%>
```

```
<%pageContext.getAttribute("no1",no1)  
%>
```

```
<%Float no2=new Float(84.3)%>  
<%pageContext.setAttribute  
("no2",no2,PageContext."SESSION_SCO  
PE");%>
```

```
<%pageContext.getAttribute  
("no2",PageContext."SESSION_SCOPE")  
;%>
```

- ◀ To set a page-scoped attribute
- ◀ To read a page-scoped attribute
- ◀ To set a session-scoped attribute
- ◀ To read a session-scoped attribute

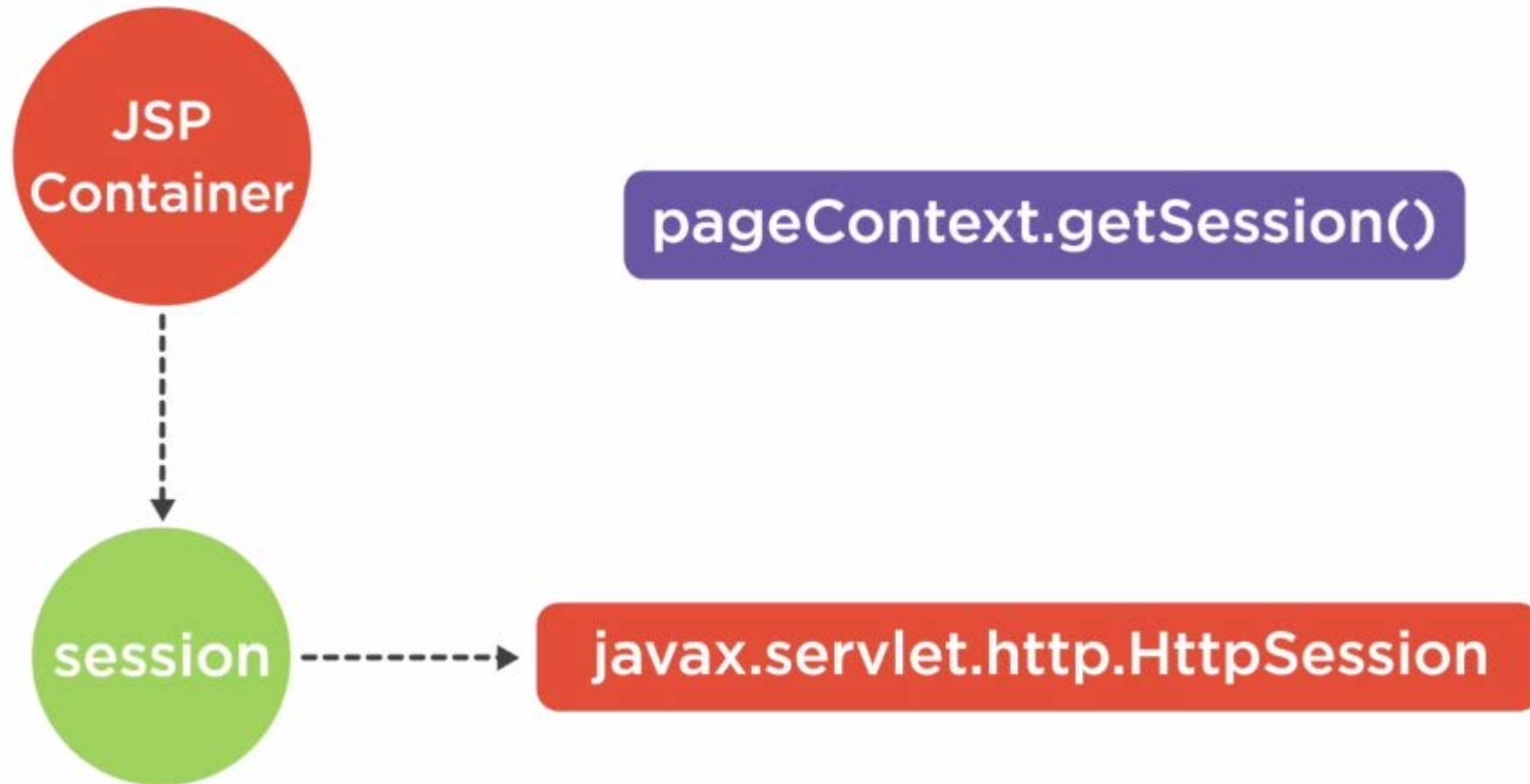


# Session

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# Session Object



# Session Builtin Object

**setAttribute ( String name,Object value)**

**getAttribute(String name)**

**removeAttribute(String name)**





```
<% pageContext.setAttribute  
("no",value,PageContext.SESSION_SCOPE); %>
```

```
<%session.setAttribute("no",value)%>
```

## Syntax

To set the session

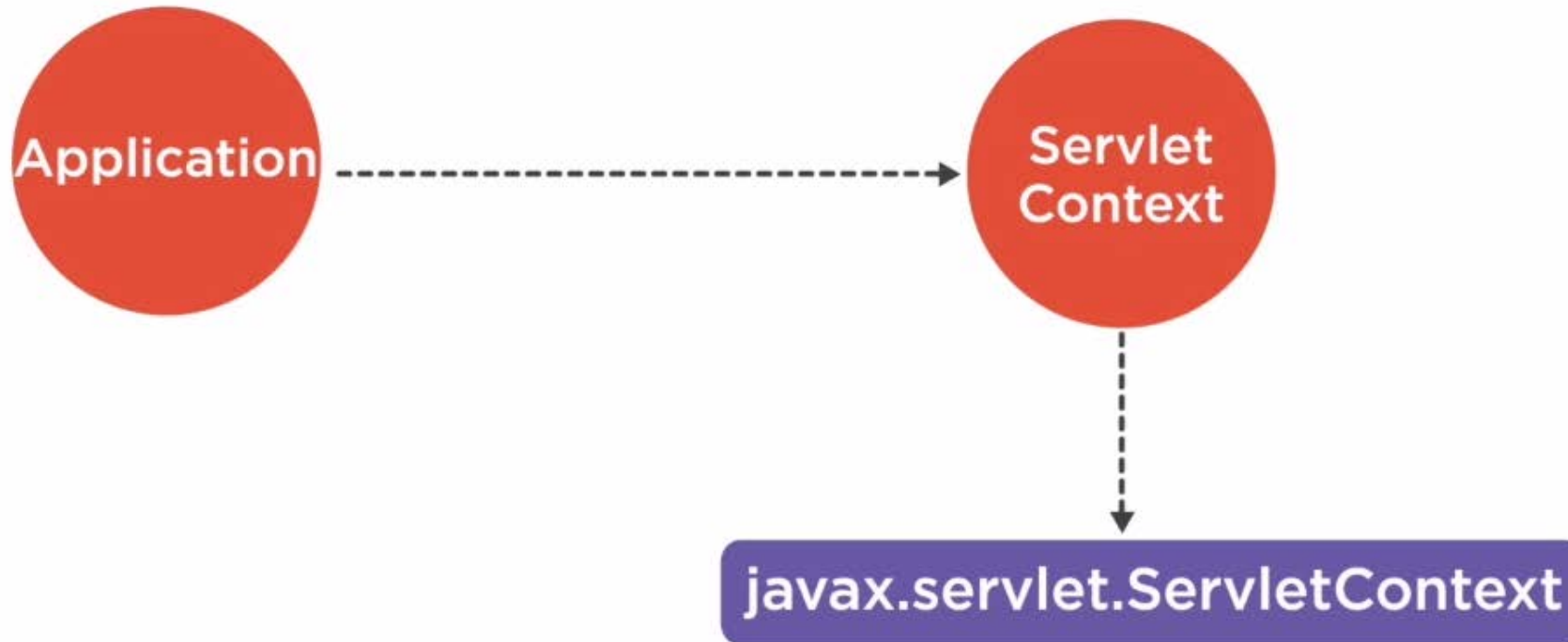


# Application

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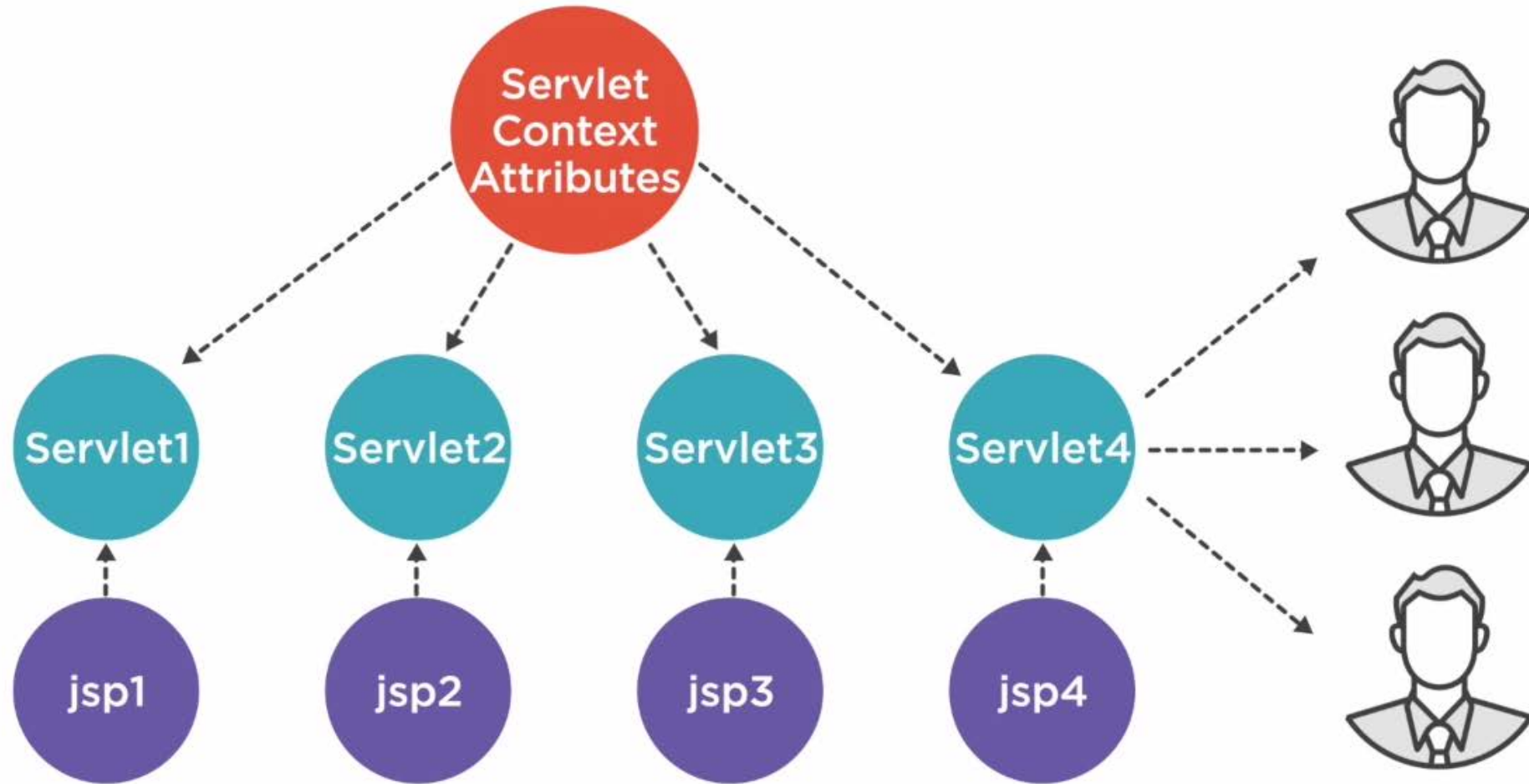


# Application Object



`javax.servlet.ServletContext application=pageContext.getServletContext()`

# Application Object



```
application.setAttribute(String name, Object value)
```

## Syntax

To Set



```
application.setAttribute(String name)
```

## Syntax

To Read



# Config

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# Config Object





# Config Implicit Object

**getInitParameter(String name)**

**getInitParameterNames()**

**getServletContext()**

**getServletName()**



# Config Implicit Object

**getInitParameter(String name)**

**getInitParameterNames()**

**getServletContext()**

**getServletName()**



# Summary



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