SevletConfig & ServletContext

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ServletConfig & ServletContext

ServletConfig & ServletContext are basically the configuration objects which are used by the servlet container to initialize the various parameter of a web application.

ServletConfig is an interface in the Servlet API and is used to initialize a single servlet in a web application by the servlet container.

Inside deployment descriptor(**web.xml)**, servlet initialization parameter are defined related to that servlet.

The particulars are declared in the **<init-param />** tag in a name-value pair

ServletConfig example

```
<servlet>
 <servlet-name>ServletConfigTest</servlet-name>
 <servlet-class>com.mycompany.servlet.ServletConfigEx</servlet-class>
 <init-param>
             <param-name>emailid</param-name>
            <param-value>sagar@gmail.com</param-value>
 </init-param>
</servlet>
```

```
String name = getServletConfig().getInitParameter("emailid");
```

**Example

ServletContext

ServletContext

ServletContext is a shared memory segment for Web applications.

When an object is placed in the ServletContext, it exists for the life of a Web application, unless it is explicitly removed or replaced.

There is one ServletContext per web application and all servlet share it.

It can be retrieved via getServletContext() method.

ServletContext . . .

ServletContext has an "application" scope, and can also be used to pass information between servlets within the same application.

The Methods setAttribute("name", object) and getAttribute("name") are used for this purpose.

ServletContext …

Ex:

Write the following code snippet in the first servlet:

```
public void init( ServletConfig config ) throws ServletException {
        super.init( config );
        int count = 0; // save counter to the application scope
        getServletContext().setAttribute( "counter", count );
}
```

** Add service() method in this servlet

Write the following code snippet in service() method in multiple servlets

```
// get the counter
int count = servletContext.getAttribute( "counter" ); ** Example
```

enter
return
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