

Servlet Configuration

Regarding SERVLET CONFIG

A servlet specific configuration object created by a servlet container to pass information to a servlet during initialization.

1. Represents Servlet specific configuration.

Defined in javax.servlet.ServletConfig -- interface.

2. Who creates its instance ?

Web container(WC)

3. When ?

After WC creates servlet instance(via def constr), ServletConfig instance is created & then it invokes init() method of the servlet.

4. Usage

To store servlet specific init parameters.

(i.e the init-param is accessible to one servlet only or you can say that the init-param data is private for a particular servlet.)

How to make it DB independent ?

By parameterizing the servlet(using ServletConfig)

5. Where to add servlet specific init parameters?

Can be added either in web.xml or @WebServlet annotation.

XML Tags

```
<servlet>
  <servlet-name>init</servlet-name>
  <servlet-class>ex.TestInitParam</servlet-class>
  <init-param>
    <param-name>name</param-name>
    <param-value>value</param-value>
  </init-param>
</servlet>
<servlet-mapping>
<servlet-name>init</servlet-name>
<url-pattern>/test_init</url-pattern>
</servlet-mapping>
```

6. How to access servlet specific init params from a servlet ?

6.1 Override init() method

6.2 Get ServletConfig

Method of Servlet i/f

```
public ServletConfig getServletConfig()
```

6.3 Get the init params from ServletConfig

Method of ServletConfig i/f

```
String getInitparameter(String paramName) : rets the param value.
```

Steps For independant on DB

4.1 web.xml

add 3 init params in a servlet

(db config : db URL, user name ,password)

URL :

jdbc:mysql://localhost:3306/advjava?createDatabaseIfNotExist=true&useSSL=false&allowPublicKeyRetrieval=true";

4.2 In Login Servlet

Read init params : from ServletConfig

4.3 pass these params to DBUtils

openConnection : to actually open a new connection.

Q Will Clnt browser of ip2 send the cookie in request header ?

1. clnt sends the URL --- http://ip3:8080/day4.1 : NO : since it's different IP addr
2. clnt sends the URL --- http://ip1:8080/day2/....NO : since it's different web app
3. clnt sends the URL --- http://ip1:8080/day4.1/s2 : YES
4. clnt sends the URL --- http://ip1:8080/day4.1/s10 : YES

What is the Default behaviour : cookies are by default sent to the SAME web app of origin

Can it be modified by Cookie class methods??? YES

Which ones ?

setPath : allows the cookie/s to be shared across multiple web apps hosted on the same server.

setDomain : allows the cookie/s to be shared across multiple hosts from the same domain

Answer this

What is ServletConfig ? i/f : javax.servlet.ServletConfig

Who creates it's instance ? WC

When ? After instance creation(via def ctor) n before init

How many instances ? 1 per servlet

Use case ? for parameterizing the servlet

eg : passing DB config settings