



Executing Servlet on RedHat

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ABSTRACT :

This article presents a method for writing and executing java servlets on RedHat. In this article we will cover a variety of topics includes:

- Servlet Introduction
- The Hierarchy of Servlet
- Directory Structure
- Steps for executing Servlets on RedHat.

Keywords: Servlet, Hierarchy of Servlet, Steps to execute Servlet, RedHat, Executing Servlet on RedHat

Introduction :

Servlet is a technology which is used to create a web application.

Servlet is an API that provides many classes and interfaces for creating web applications.

Servlet is an interface that must be implemented for creating any Servlet.

Servlet(HttpServlet) is a class that extends the capabilities of the servers and responds to the incoming requests. It can respond to any requests.

Servlet Hierarchy

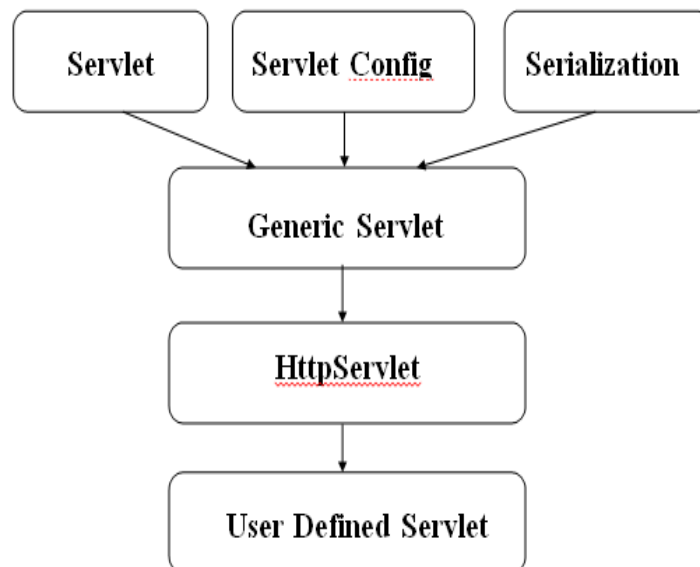


Fig. 1 Hierarchy of Servlet

- In Figure 1, At the top of Servlet Hierarchy there are 3 interfaces
- Servlet, ServletConfig and Serialization.
- All these three interfaces are implemented in GenericServlet class.
- HttpServlet class is inherited from GenericServlet class.
- User has to extend HttpServlet class to create User defined servlet.

Steps for creating Servlet

1. Create a directory structure
2. Create a Servlet
3. Compile the Servlet
4. Create a deployment descriptor
5. Start the server and deploy the project
6. Access the servlet

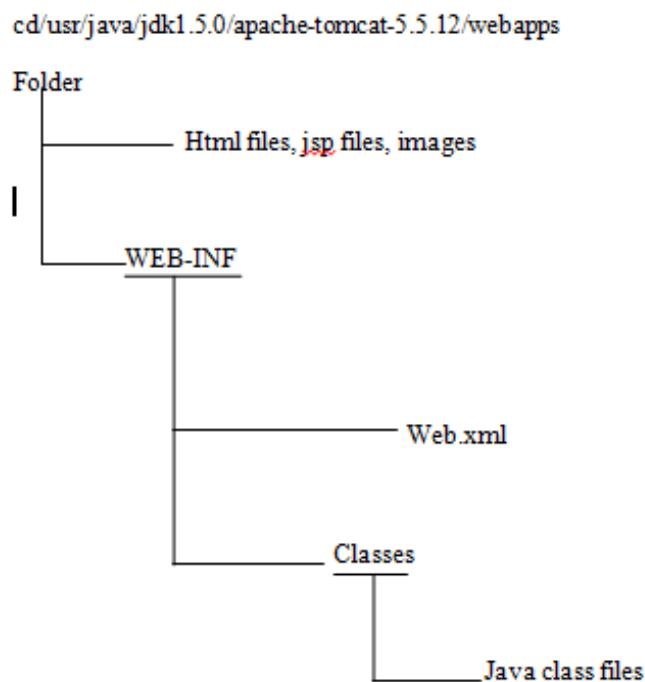


Fig. 2 (Directory structure)

Steps to start Tomcat Server

To start Tomcat Server:

```
cd /usr/java/jdk1.5.0/apache-tomcat-5.5.12/bin>
sh startup.sh then press enter
```

To Check:

Open mozilla web browser
 http://localhost:8080 then press enter

To Shutdown Tomcat Server:

```
cd /usr/java/jdk1.5.0/apache-tomcat-5.5.12/bin>
sh shutdown.sh then press enter
```

Explanation :

Refer to figure 2 for creating directory structure. After following all the steps, user can create a User defined Servlet. Follow Steps for starting and executing Tomcat Server.

Conclusion :

In this research paper we took all steps for creating servlet including Introduction to Servlet, Hierarchy of Servlet, Steps for creating Servlet, Directory Structure, Steps to start Tomcat Server. It has simplified a complicated process of executing Servlet on RedHat.

REFERENCE :

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