

What is the difference between a web server and a web container?

Web Container is used to manage the components like Servlets, JSP. It is a part of the web server. Whereas Web Server is a server which is capable of handling HTTP requests, sent by a client and respond back with a HTTP response.

What is a servlet?

A Servlet is a server-side java code that can handle http requests and return dynamic content.

How do web servers and web containers interact with servlets?

Webservers receive Http request from client then send them to the web containers that calls a service in thread that runs servlet to execute the request objects, then after response object is converted to Http response that is passed to webserver and send it to the client.

Who creates request objects?

It is the Servlet Container that creates request and response objects.

What are the states in the servlet lifecycle?

- > Load
- > Create
- > Init
- > Service
- > Destroy

Who calls init and when?

It is the servlet container that calls init, it calls init just before the servlet container calls the Service.

Which of init, service, and doGet should you override?

You should override the doGet method.

In what sense are servlets multi-threaded?

Servlet are multi-threaded in a way that each request creates a new Thread that calls the service method.

What are the implications of this for servlet instance variables?

The conclusion is that servlet instance variables are not thread safe, because the container doesn't create new instance for servlet class for each request, it reuses an existing one.