

Experiment No - 10

Aim :- Web application using EJB.

Problem statement :- Design develop & deploy web application using EJB.

S/W Req - 1. Ubuntu 64 bit/windows.

2. JDK 7 or Higher.

3. EJB 3.0.

4. Eclipse/una.

5. JBoss applⁿ server.

Theory.

Java Beans :-

- J2EE applⁿ container contains the components that can be used by clients for executing the business logic.
- These components are known as enterprise Java Bean (EJB). J2EE platform has components based architecture to provide multitiered, distributed & highly transactional features to enterprise level applⁿ.

It is used for developing very much scalable, re-business enterprise level appl^s. to be deployed, application server such as JBoss web logic etc.

EJB 3.0 is being a large shift from EJB & make development of EJB based applications.

features of EJBs.

client Commⁿ :-

- i) state management.
- ii) Transaction mangement.
- iii) Database connection management.
- iv) User Authentication & Role-based Authoraization
- v) Asynchronous messaging.
- vi) Applⁿ Server administration.

Types of Enterprise Java Beans (EJB)

1. Session Beans.
2. Entity Beans.
3. Message Driven Beans.

Enterprise Java Beans Architecture :-

The EJB architecture is an extension of web architecture. It has an addⁿ tier.

The clients of an enterprise bean can be a tradition Java applⁿ, applet, JSP or servlet.

Design / Execution steps :-

1. Design EJB project
2. Start JBoss & deploy it on JBoss Server
3. Design html & JSP files with an extension of HTML & JSP.
4. Run the applⁿ in browser & get the result

Conclusion :-

Hence, we have created a simple EJB Stateless session bean & local Java applⁿ client which will call / invoke the bean to develop for performing addition of two number.