



C0301 - Enterprise Bean Components of all types

Objective

To Learn about Enterprise JavaBean 3.0 and 3.1 and its component types.

Prerequisite

- Install Weblogic Server 11g
- Add OEPE plugin in Eclipse IDE

Introduction

Enterprise JavaBean is a Java technology designed for enterprise applications. Sun Microsystems defines EnterpriseJavaBeans as component based architecture designed to implement distributed business applications. EJBs are server-side component that encapsulates the business logic of an application which are reusable. The business logic is the code that fulfills the purpose of the application.

EJB technology enables rapid and simplified development of below applications on Java technology

- Distributed
- Transactional
- Secure
- Portable

The goal of EJB3.0 specification are

- The developer can develop beans more simply than in the 2.1 standard. Developer can annotate, Java source code to provide information that was previously contained in XML deployment descriptors.
- Java Annotations allows developers to create EJBs and Java Persistence Architecture(EJB 3.0)beans quickly and easily from "Plain Old Java Object"(POJOs)
- EJB can be created without implementing Enterprise Bean Interfaces

What's in EJB 3 ?

- EJB Overview
- EJB Architecture
- EJB as a framework
- EJB as a component
- Understanding EJB Component Types

Practice

Sno	Description
1	Stateless Session Bean Example

References

- http://java.sun.com/j2ee/tutorial/1_3-fcs/doc/EJBConcepts9.html
- http://docs.oracle.com/cd/B25221_05/web.1013/b14428/undejbs.htm#CIHHIJBj
- <http://publib.boulder.ibm.com/infocenter/radhelp/v7r5/index.jsp?topic=%2Fcom.ibm.jee5.doc%2Ftopics%2Fcejb3vejb21.html>
- <http://www.roseindia.net/ejb/>
- Enterprise JavaBeans 3.1, Sixth Edition

1) Write a same program which demonstrates the stateless session bean and Entity Bean (using EJB 3.0 or 3.1)