**Libra Application ( Jboss EAP4 to EAP6 EJB Migration)**

**1. Create the login interface with remote annotation.**

|  |
| --- |
| package business.ejb.login;  import javax.ejb.Remote;  @Remote  public interface login  {  public boolean verifyLogin(String user, String password); /// method to implement  } |

**2. Change the implemented class from SessionBean to login.**

|  |
| --- |
| **From :**  public class LoginVerifierBean implements SessionBean  **To:**    public class LoginVerifierBean implements login, LoginVerifierBean |

**3. Remove the following methods from Bean class.**

|  |
| --- |
| public void ejbCreate() throws CreateException {}    public void setSessionContext( SessionContext sessionContext ) {}    public void ejbActivate() {}    public void ejbPassivate() {}    public void ejbRemove() {} |

**4. Remove the ejb-jar.xml file from /libra-ejb/META-INF/ejb-jar.xml**

**5. How to call EJB lookup ? And How to call interface in method.**

|  |
| --- |
| **From :**  LoginVerifierHome lHome = (LoginVerifierHome) lContext.lookup("LoginVerifierBean");  LoginVerifierLocal h1 = lHome.create();  (if (h1.verifyLogin(name,password))  **To :**  login bean=(login) ctx.lookup("java:global/libra-ejb/LoginVerifierBean!business.ejb.login.login");  if (bean.verifyLogin(name,password)) |

**6. Add the <jsp-config> tag for tlds in /libra-web/WEB-INF/web.xml**

|  |
| --- |
| **<jsp-config>**  ........................……………….  <taglib>  <taglib-uri>/WEB-INF/tlds/struts-template.tld</taglib-uri>  <taglib-location>/WEB-INF/tlds/struts-tlds/struts-template.tld</taglib-location>  </taglib>  ..………………………………..  **</jsp-config>** |

**7. Make the Book.java class to serializable class**

**( package business.ejb.general.Book)**

|  |
| --- |
| package business.ejb.general;  public class Book **implements java.io.Serializable** { } |

**8. Change the database connectivity lookup in EdiaryDBConnection.java**

**(package business.database.db)**

|  |
| --- |
| **From :**  InitialContext lContext = new InitialContext();  DataSource ds = (DataSource) lContext.lookup("java:/libra");  con = ds.getConnection() ;  **To :**  InitialContext lContext = new InitialContext();  DataSource ds = (DataSource) lContext.lookup("java:/jboss/libra");  con = ds.getConnection() ; |

**9. Change the URL in LibraDBConnection.java**

**(package business.database.db)**

|  |
| --- |
| private String driver = "com.mysql.jdbc.Driver";  private String url = "jdbc:mysql://192.168.1.151/libra?user=root&password=redhat"; |

**10. Add the following properties in BookOrderReceiverBean.java**

**(Package business.ejb.purchase)**

|  |
| --- |
| Package business.ejb.purchase;  **import** javax.ejb.EJBException;  **import** javax.ejb.MessageDrivenBean;  **import** javax.ejb.MessageDrivenContext;  **import** javax.jms.Message;  **import** javax.jms.TextMessage;  **import** javax.jms.MessageListener;  **import** javax.jms.QueueConnection;  **import** javax.jms.QueueConnectionFactory;  **import** javax.jms.QueueSender;  **import** javax.jms.QueueSession;  **import** javax.jms.Session;  **import** javax.jms.TemporaryQueue;  **import** javax.naming.Context;  **import** javax.naming.InitialContext;  **import** javax.ejb.ActivationConfigProperty;  **import** javax.ejb.MessageDriven;  **import** business.database.purchase.\*;  @MessageDriven(name = "MessageMDBSample", activationConfig = {  @ActivationConfigProperty(propertyName = "destinationType", propertyValue = "javax.jms.Queue"),  @ActivationConfigProperty(propertyName = "destination", propertyValue = "queue/testQueue"),  @ActivationConfigProperty(propertyName = "acknowledgeMode", propertyValue = "Auto-acknowledge") })  **public** **class** BookOrderReceiverBean **implements** MessageDrivenBea { } |