FLEXCUBE UBS Inbound Application Adapter Installation Document

Version 14.3.0.0.0

FLEXCUBE KERNEL

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# Installation Steps

## Prerequisite

* Ensure that the basic MDB Gateway Environment Setup is done.

[Please refer [GW\_MDB Installation.doc](file:///D:\GATEWAY\Gateway_Installation\OC4J\OC4J_GW_MDB_Installation.doc).]

* Ensure that the basic Adapter Environment Setup is done.

[Please refer [SSIAD\_Installation\_FCUBSV.UM8.0.0.0.0.0.0Lot1.doc](file:///D:\Bugs\Addition_Deletion\Installation\Third%20Party%20Software%20Installation\SSIMH_Adapter_Installation_Docs\SSIAD_Installation.doc).]

## Steps

1. **Configure FLEXCUBE UBS EJB Adapter Properties**

Edit ***<KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/config/SSIAD\_EJB\_Prop.xml*** file to give appropriate values for the properties as described below,

1. XSD\_PATH: This property specifies the path where the IsExchangeFileRequest.XSD is stored.

e.g. XSD\_PATH=<KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/XSD/

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash at the end.]***

2. SSIAD\_EJB\_ENVELOPE\_XSD: This property specifies the name of the XSD against

which SSIAD Envelope validation is done against the incoming messages.

e.g. SSIAD\_EJB\_ENVELOPE\_XSD = “IsExchangeFileRequest.XSD”.

3. IS\_XSD\_VAL\_REQD: This property specifies whether XSD validation should be

done or not. To enable XSD validation specify "Y" and to disable specify "N".

4. IB\_EJB\_SERVER\_URL: This property specifies protocol, server url and the port

on which OC4J server is running in **protocol://server** [**url:port/application**](file:///D:\Bugs\Addition_Deletion\Installation\Third%20Party%20Software%20Installation\SSIMH_Adapter_Installation_Docs\OC4J\port\application)

**name** format

e.g. IB\_EJB\_SERVER\_URL = “ormi://10.80.44.103:23791/SSIAD\_EJB\_Bean”

5. IB\_EJB\_CTX\_FACTORY: This property define context factory for Oc4J server used by

Oracle Application Server applications to perform JNDI operations

e.g. IB\_EJB\_CTX\_FACTORY =”com.evermind.server.rmi.RMIInitialContextFactory”

6. IB\_EJB\_SECURITY\_PRINCIPAL: specifying the identity of the principal for

authenticating the caller to the service if required otherwise can be left blank.

7. IB\_EJB\_SECURITY\_CREDENTIALS: specifies the credentials of the principal for

authenticating the caller to the service if required otherwise can be left blank.

1. IB\_EJB\_CALL\_TYPE: This property specifies the call type of EJB that must always be REMOTE.
2. IB\_EJB\_LOCAL\_CALL: This property must always be LOCAL.

10. IB\_EJB\_REMOTE\_CALL: This property must always be REMOTE.

11. FCUBS\_DB\_SERVER\_IP: This property defines FCUBS Database server IP address.

12. FCUBS\_DB\_SERVER\_UID: This property defines user id for FCUBS Database server.

13. FCUBS\_DB\_SERVER\_PWD: This property defines password for FCUBS Database

server.

14. FCUBS\_DB\_PAYLOAD\_PATH: This property defines payload file path on FCUBS

Database server.

15. FCUBS\_DB\_DEAD\_LETTER\_PATH: This property defines dead letter file path on

FCUBS Database server.

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash***

***at the end.]***

16. SSIAD\_EJB\_JMS\_ICF: This property defines InitialContextFactory that is responsible

for getting and instance of the initial context. It is also responsible for looking up JMS

topics and queues.

17. SSIAD\_EJB\_JMS\_PROVIDER\_URL: This property is used for external JNDI lookups.

eg. provider URL in <host>[:<port>] format.

Specify whole path of the binding file that has been created for Gateway MDB

installation.

18. SSIAD\_EJB\_JMS\_SECURITY\_ PRINCIPAL: This property defines the name of the entity

(user) that is authenticated when the connection to the JMS provider is established. The

Security Principal and the Security Credentials are included in the naming context when

the connection factory is looked up from the naming.

19. SSIAD\_EJB\_JMS\_SECURITY\_CREDENTIALS: This property defines the credentials

(typically a password) that authenticate the security principal to the JMS provider.

20. SSIAD\_EJB\_JMS\_QCF: This property specifies the Queue Connection Factory of the

Queue Manager to which the Gateway MDB is associated. A queue connection factory

is used to create connections to the associated JMS provider of JMS queue

destinations, for point-to-point messaging.

eg. SSIAD\_EJB\_JMS\_QCF =MDBQCF

21. SSIAD\_EJB\_JMS\_QUEUE\_NAME: This property specifies the Queue on which the

Gateway MDB is listening.

SSIAD\_EJB\_JMS\_QUEUE\_NAME =MDB\_QUEUE

22. SSIAD\_EJB\_JMS\_Q\_ACKNOWLEDGE: This property specifies the mode of

acknowledgement to be given to the MOM by the application. The possible values are

CLIENT\_ACKNOWLEDGE, DUPS\_OK\_ACKNOWLEDGE and AUTO\_ACKNOWLEDGE.

23. SSIAD\_EJB\_JMS\_Q\_TRANSACTION: This property specifies whether the message

sent/received has to be transacted or not. The value is false.

24. SSIAD\_EJB\_JMS\_Q\_DELIVERY\_OPT: The message delivery option represents

whether the message will be delivered with the Delivery mode as PERSISTENT or

NON-PERSISTENT. Possible values are 1 and 2. 1 represents delivery mode to be

NON-PRESISTENT while 2 represents the delivery mode to be PRESISTENT.

25. SSIAD\_EJB\_JMS\_Q\_TIME\_TO\_LIVE: This is the maximum time in milliseconds for

which the outgoing/reply message will remain in the queue before expiring, if not

already picked up by the external system application. Value 0 ensures that message

will NEVER expire.

26. SSIAD\_EJB\_JMS\_Q\_PRIORITY: This is the priority of the outgoing/reply message.

Priority value can be ranging from 0 to 9, 9 being highest priority and 0 being lowest

priority. Priorities 0-4 are gradations of normal priority and priorities 5-9 are

gradations of expedited priority.

27. SSIAD\_EJB\_MH\_IP: This property defines SSI MH server IP address.

28. SSIAD\_EJB\_MH\_USERID: This property defines user id for SSI MH server.

29. SSIAD\_EJB\_MH\_PASSWORD: This property defines password for SSI MH server.

30. SSIAD\_EJB\_MH\_ENVELOPE: This property defines envelope file path on SSI MH

server.

31. SSIAD\_MH\_PAYLOAD\_PATH: This property defines payload file path on SSI MH

server.

32. XSL\_PATH: This property specifies the path where the SSI\_ADAPTER.XSL is stored.

eg.. XSL\_PATH =<KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/XSL/

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash***

***at the end.]***

33. SSIAD\_EJB\_XSL: This property specifies the XSL file name.

eg.. SSIAD\_ADAPTER\_XSL = SSIAD\_EJB\_XSL.xsl

34. EJB\_OBJ\_PATH: Defines path to store EJB reference.

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash***

***at the end.]***

35. MSG\_REPOLL\_SLEEP\_TIME: This property specifies interval of polling in milliseconds

36. LOGGER\_PATH: This property specifies the path of the logger property file. This file can be found

at <KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/config.

***[NOTE: Give the logger path with forward slash (/). ]***

The SSIAD\_EJB\_Prop.xml will look similar as follows,

<add key="XSD\_PATH" value="D:/KERNEL\_SSIAD\_OC4J/SSIAD\_EJB/XSD/"/>

<add key="SSIAD\_EJB\_XSD" value="IsExchangeFileRequest.XSD"/>

<add key="IS\_XSD\_VAL\_REQD" value="Y"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <Start> -->

<!--

<add key="MAX\_CLOB\_LEN" value="32512"/>

<add key="DB\_TIMEOUT" value="20"/>

<add key="FCUBS\_MSG\_SCHEMA\_CON\_POOLNAME" value="KERNELDEV.WORLD"/>

<add key="FCIS\_MSG\_SCHEMA\_CON\_POOLNAME" value="FCIS\_MSG\_SCHEMA"/>

-->

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <End> -->

<add key="IB\_EJB\_JNDI\_NAME" value="SSIAD\_EJB\_Bean"/>

<add key="IB\_EJB\_SERVER\_URL" value="ormi://10.80.161.40:23791"/>

<add key="IB\_EJB\_CTX\_FACTORY" value="com.evermind.server.rmi.RMIInitialContextFactory"/>

<add key="IB\_EJB\_SECURITY\_PRINCIPAL" value="oc4jadmin"/>

<add key="IB\_EJB\_SECURITY\_CREDENTIALS" value="oc4jadmin"/>

<add key="IB\_EJB\_CALL\_TYPE" value="REMOTE"/>

<add key="IB\_EJB\_LOCAL\_CALL" value="LOCAL"/>

<add key="IB\_EJB\_REMOTE\_CALL" value="REMOTE"/>

<!-- FTP FC DB details -->

<add key="FCUBS\_DB\_SERVER\_IP" value="10.80.50.227"/>

<add key="FCUBS\_DB\_SERVER\_UID" value="kerneldev"/>

<add key="FCUBS\_DB\_SERVER\_PWD" value="kerneldev"/>

<add key="FCUBS\_DB\_PAYLOAD\_PATH" value="users/TestDes/"/>

<add key="FCUBS\_DB\_DEAD\_LETTER\_PATH" value="C:/Documents and Settings/Default User/DLF/"/>

<!-- JMS details -->

<add key="SSIAD\_EJB\_JMS\_ICF" value="com.sun.jndi.fscontext.RefFSContextFactory"/>

<add key="SSIAD\_EJB\_JMS\_PROVIDER\_URL" value="file:/D:/bindings"/>

<add key="SSIAD\_EJB\_JMS\_SECURITY\_PRINCIPAL" value=""/>

<add key="SSIAD\_EJB\_JMS\_SECURITY\_CREDENTIALS" value=""/>

<add key="SSIAD\_EJB\_JMS\_QCF" value="MDBQCF"/>

<add key="SSIAD\_EJB\_JMS\_QUEUE\_NAME" value="MDB\_QUEUE"/>

<add key="SSIAD\_EJB\_JMS\_Q\_ACKNOWLEDGE" value="AUTO\_ACKNOWLEDGE"/>

<add key="SSIAD\_EJB\_JMS\_Q\_TRANSACTION" value="false"/>

<add key="SSIAD\_EJB\_JMS\_Q\_DELIVERY\_OPT" value="2"/>

<add key="SSIAD\_EJB\_JMS\_Q\_TIME\_TO\_LIVE" value="500000"/>

<add key="SSIAD\_EJB\_JMS\_Q\_PRIORITY" value="7"/>

<!-- FTP SSI MH DETAILS -->

<add key="SSIAD\_EJB\_MH\_IP" value="10.80.161.40"/>

<add key="SSIAD\_EJB\_MH\_USERID" value="rashmish"/>

<add key="SSIAD\_EJB\_MH\_PASSWORD" value="Password123"/>

<add key="SSIAD\_EJB\_MH\_ENVELOPE" value="Inbound/InEnvelop/"/>

<add key="SSIAD\_MH\_PAYLOAD\_PATH" value="Inbound/InPayload/"/>

<!-- XSL -->

<add key="XSL\_PATH" value="D:/KERNEL\_SSIAD\_OC4J/SSIAD\_EJB/XSL/"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <Start> -->

<add key="SSIAD\_EJB\_XSL" value="SSIAD\_EJB\_XSL.xsl"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <End> -->

<!-- Client -->

<add key="EJB\_OBJ\_PATH" value="C:/Documents and Settings/Default User/ejb/obj"/>

<!-- MISCELLANEOUS PROPERTIES -->

<add key="LOGGER\_PATH"

value="D:/KERNEL\_SSIAD\_OC4J/SSIAD\_EJB/config/ssiad\_ejb\_logger.xml"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <Start> -->

<add key="MSG\_REPOLL\_SLEEP\_TIME" value="1000"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <End> -->

1. **Configure logger parameters** 
   * Edit <KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/config/ssiad\_ejb\_logger.xml file to change the value of the property “SSIAD.LOGGER.FPATH” to <KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/log/.

eg. If the value of your <KERNEL\_INSTALL\_DIR> is D:/Kernel8.0, then the entry

for this property will be,

<add key="SSIAD.LOGGER.FPATH" value="D:/Kernel8.0/SSIAD\_EJB/log/"/>

***[NOTE: Give SSIAD.LOGGER.FPATH with forward slash (/) as file separator and remember to give a slash (/) at the end.]***

1. **Run the build file**

* For WINDOWS
  + Go to the folder <KERNEL\_INSTALL\_DIR>\setup in the command prompt, type **“set\_env”** and press enter.
  + Change directory to <KERNEL\_INSTALL\_DIR>\SSIAD\_EJB\setup\OC4J in the command prompt, type **“ant”** and press enter.
* For UNIX
  + Go to the folder <KERNEL\_INSTALL\_DIR>/setup in the shell prompt, type **“set\_env.sh”** and press enter.
  + Change directory to <KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/setup/OC4J in the shell prompt, type **“ant”** and press enter.

***[NOTE: Please make sure that you get a message BUILD SUCCESSFUL after compilation.]***

1. **Deploy the EJB in Oracle 10g Application Server**
2. **Stop the application server.**

* For WINDOWS
  + Set JAVA\_HOME and ORACLE\_HOME with the paths in your machine

e.g.

set ORACLE\_HOME=D:\Oracle10gAS

set JAVA\_HOME=%ORACLE\_HOME%\jdk

* + Go to the <APP\_SERVER\_HOME>/bin directory in the command prompt

e.g. cd %APP\_SERVER\_HOME%\bin

* + Type oc4j –start

This will start the server. Ensure that you get no error during start up. If the server start up is proper we shall get the following screen.

* For UNIX
  + Set JAVA\_HOME and ORACLE\_HOME with the paths in your machine

e.g.

export ORACLE\_HOME=/home/Oracle10gAS

export JAVA\_HOME=${ORACLE\_HOME}/jdk

* + Go to the <APP\_SERVER\_HOME>/bin directory in the command prompt

e.g. cd ${APP\_SERVER\_HOME]/bin

* + Type **oc4j –shutdown –port 23791 –password <admin\_password>**

e.g. oc4j –shutdown –port 23791 –password oc4jadmin

This will stop the server.

1. **Start the application server.**

* For WINDOWS
  + Set JAVA\_HOME and ORACLE\_HOME with the paths in your machine.

e.g.

set ORACLE\_HOME=D:\Oracle10gAS

set JAVA\_HOME=%ORACLE\_HOME%\jdk

* + Go to the <APP\_SERVER\_HOME>/bin directory in the command prompt

E.g. cd %APP\_SERVER\_HOME%\bin

* + Type **oc4j –start**

This will start the server. Ensure that you get no error during start up. If the server start up is proper, the following be displayed on the command prompt.

* For UNIX
  + Set JAVA\_HOME and ORACLE\_HOME with the paths in your machine.

e.g.

export ORACLE\_HOME=/home/Oracle10gAS

export JAVA\_HOME=${ORACLE\_HOME}/jdk

* + Go to the <APP\_SERVER\_HOME>/bin directory in the command prompt

E.g. cd ${APP\_SERVER\_HOME}/bin

* + Type **oc4j –start**

This will start the server. Ensure that you get no error during start up.

1. **Open the Administrative Console of Oracle Enterprise Manager**

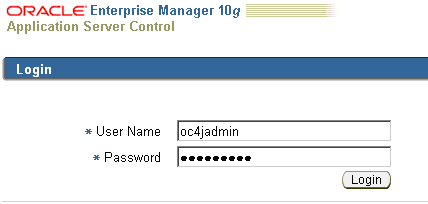
* Open an internet browser and type the OC4J Admin Console URL Address of the server.

e.g. <http://10.80.4.116:8888/em>

where, 10.80.4.116 is the machine IP Address on which OC4J is running.

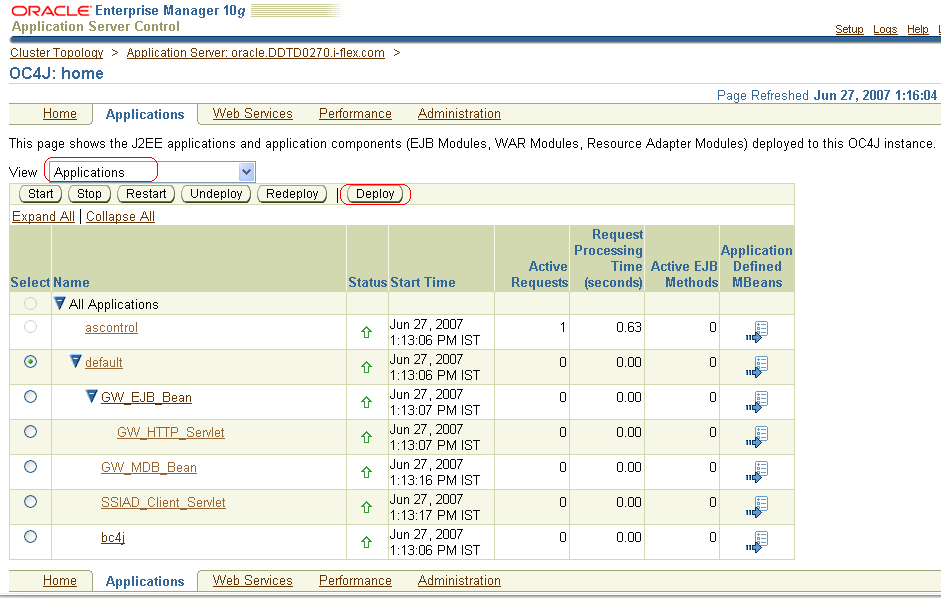
* Login to Administrative Console

Enter OC4J administrator username/password and press **Login**.



1. **Deploying SSIAD\_EJB\_Bean.ear**

* Click on Applications -> Deploy.

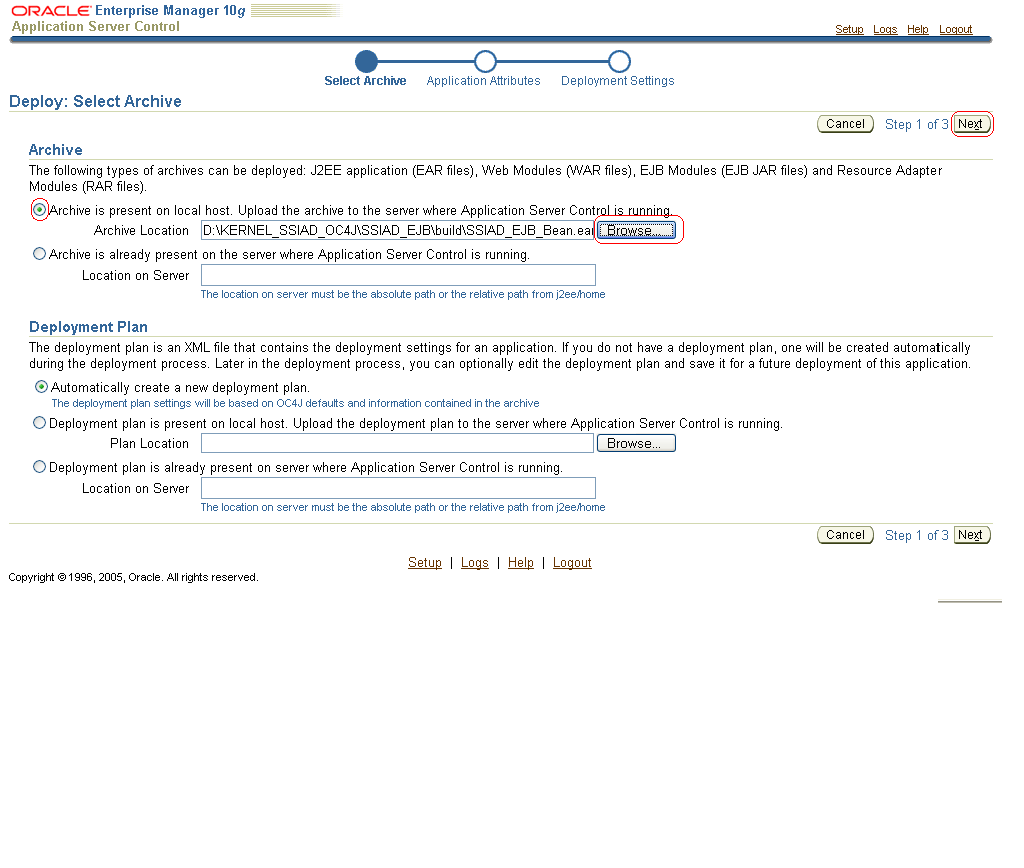


1. **Following screen will be displayed.**

* Click on **Browse**.
* Specify the local path of the enterprise archive file:

<KERNEL\_INSTALL\_DIR>/SSIAD\_EJB/build/SSIAD\_EJB\_Bean.ear

* Click on **Next**.



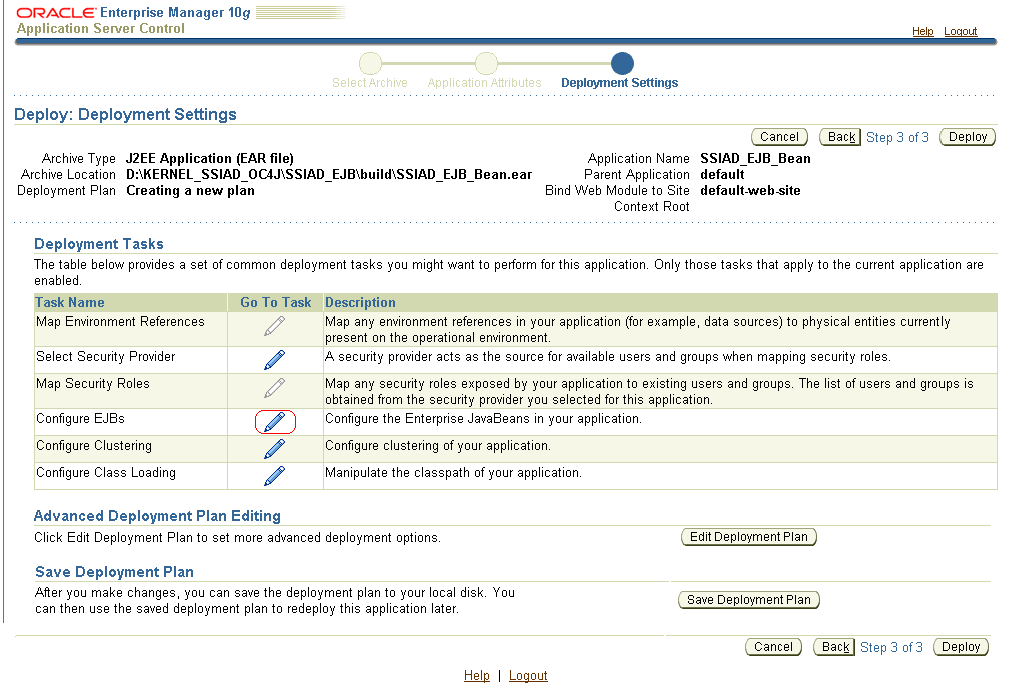
1. **Following screen will be displayed.**

* Click on **Next**.



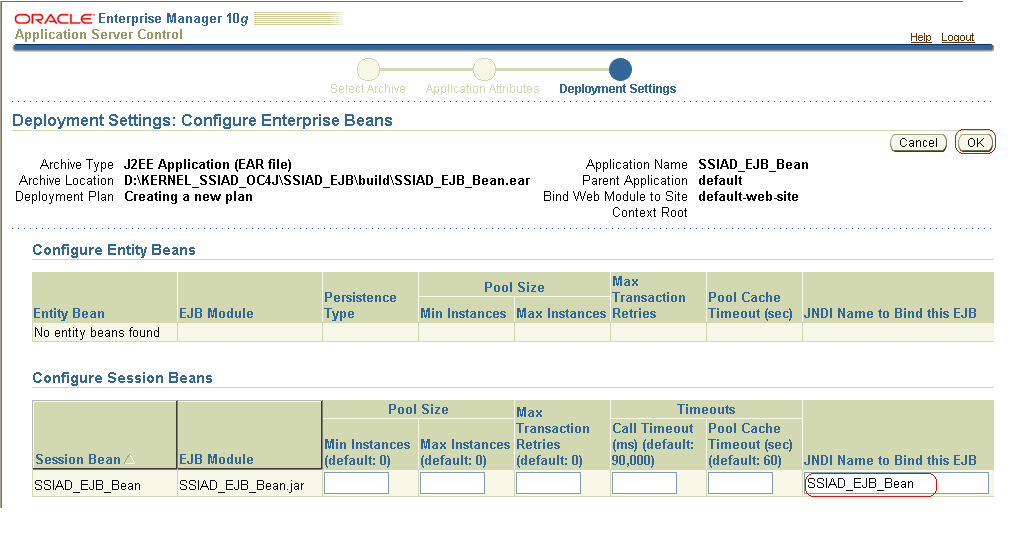
1. **Following screen will be displayed.**

* Go to **Configure EJBs** Task**.**



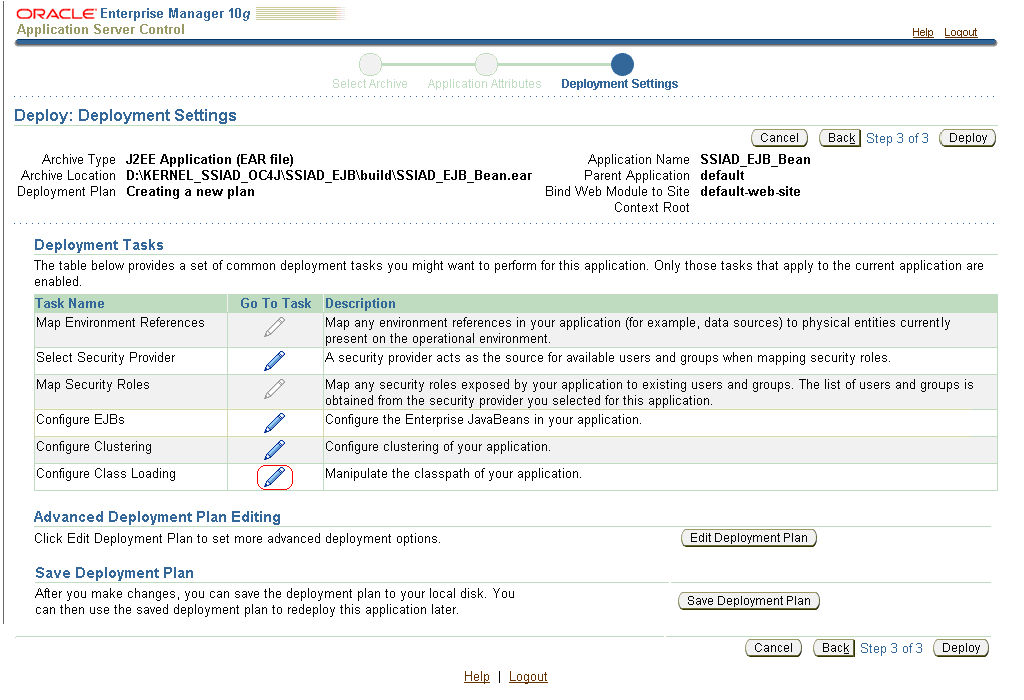
1. **Following screen will be displayed.**

* **JNDI Name to Bind this EJB** – Enter **SSIAD\_EJB\_Bean**
* Click on **OK**



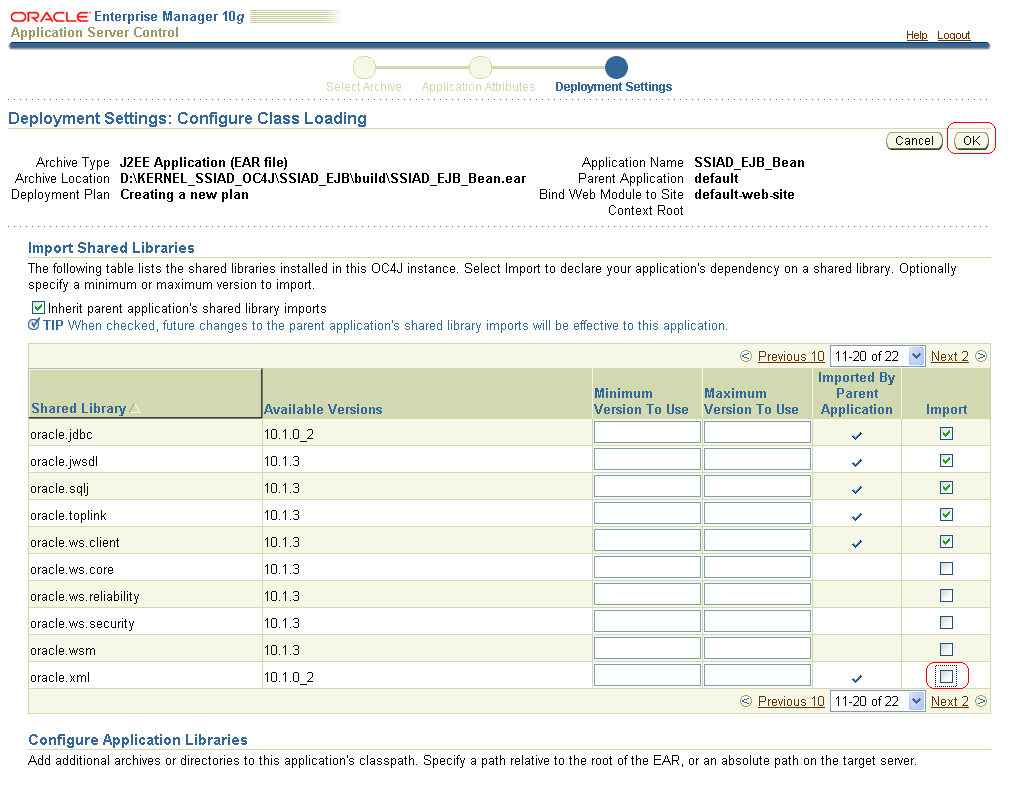
1. **Following screen will be displayed.**

* Go to **Configure Class Loading** Task.



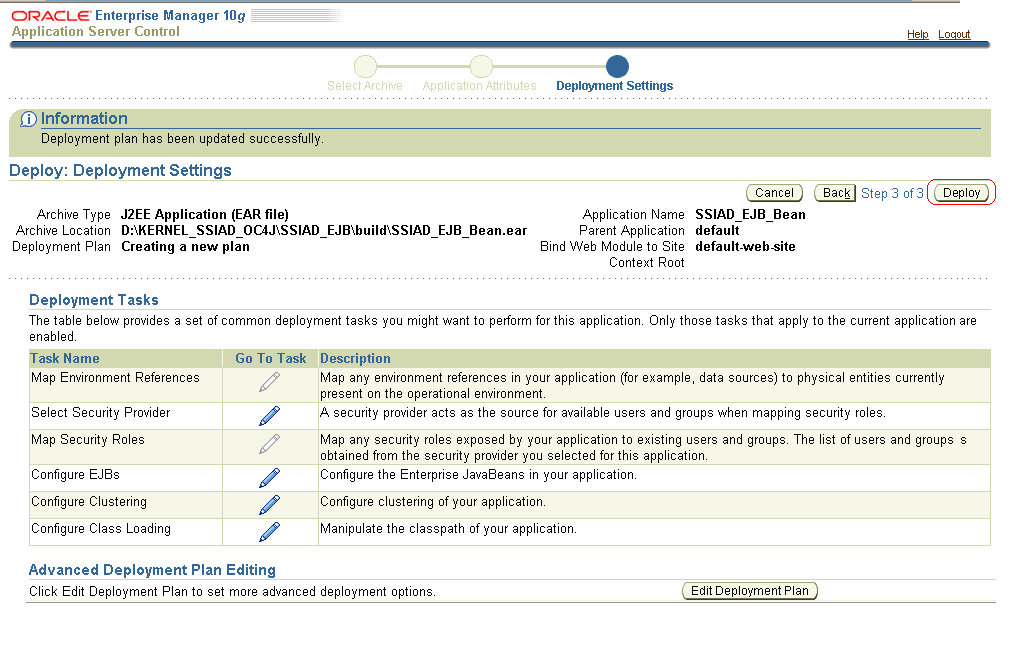
1. **Following screen will be displayed.**

* Uncheck **oracle.xml**
* Click on **Ok**



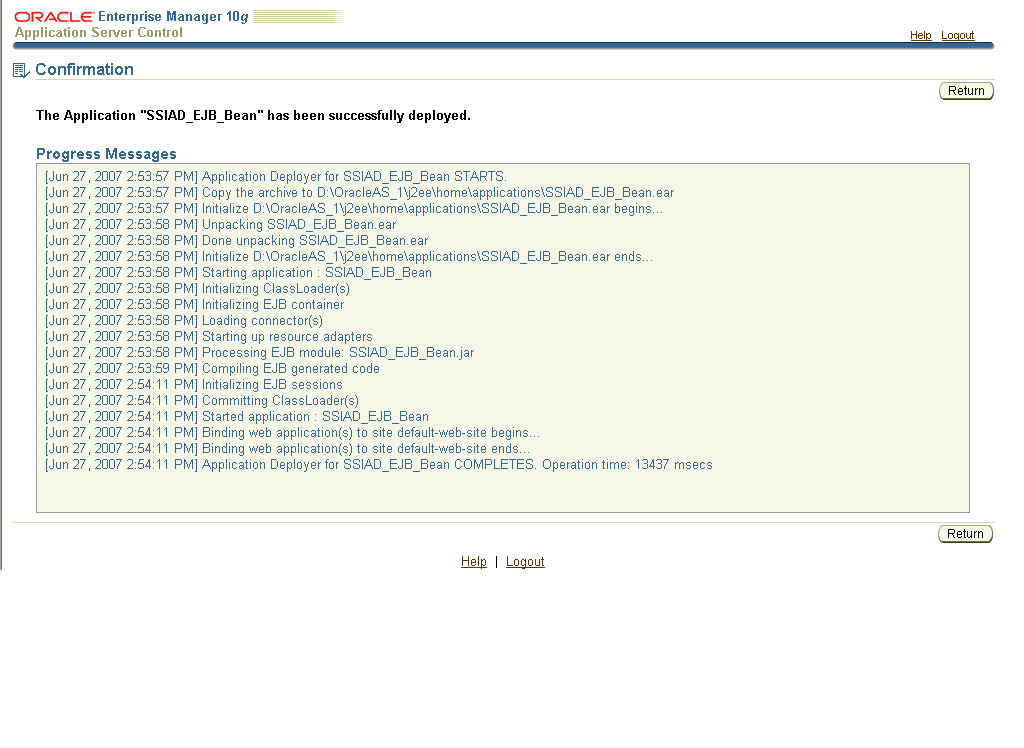
1. **Following screen will be displayed.**

* Click on **Deploy**

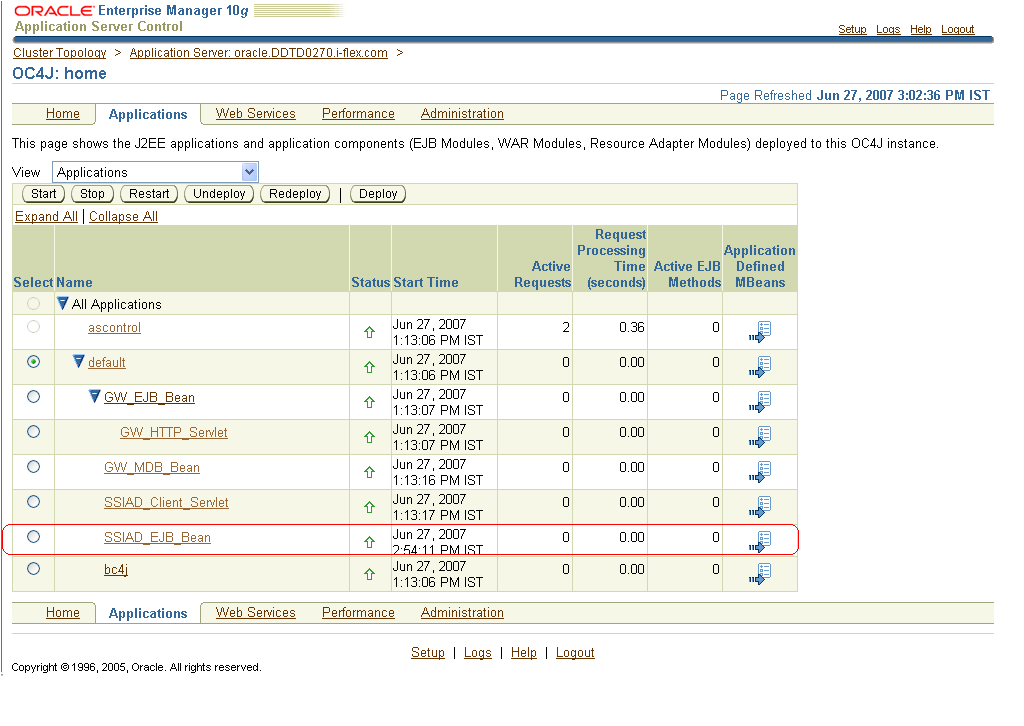


1. **Following screen is displayed.**

* Click on **Return**



1. *Following screen will be displayed*



1. **Notifying the SSIAD\_EJB\_Bean to start polling on Folder**

* For Windows

1. Open a Command prompt
2. Go to <KERNEL\_INSTALL\_DIR>\setup
3. Type **set\_env** and press Enter.
4. Go to <KERNEL\_INSTALL\_DIR>\SSIAD\_EJB\client\OC4J
5. Type **runEJBClient START** and press enter

* For Unix

1. Go to <KERNEL\_INSTALL\_DIR>/setup
2. Type **chmod +x set\_env.sh** and press Enter.
3. Type **set\_env.sh** and Press Enter.
4. Go to <KERNEL\_INSTALL\_DIR>/ SSIAD\_EJB /client/OC4J
5. Type **chmod +x runEJBClient.sh**
6. Type **runEJBClient.sh START** and press Enter
7. **Canceling the SSIAD\_EJB\_Bean so as to stop polling on Folder**

* For Windows

1. Open a Command prompt
2. Go to <KERNEL\_INSTALL\_DIR>/setup
3. Type **set\_env** and press Enter.
4. Go to <KERNEL\_INSTALL\_DIR>/ SSIAD\_EJB /client/OC4J
5. Type **runEJBClient STOP** and press enter

* For Unix

1. Go to <KERNEL\_INSTALL\_DIR>/setup
2. Type **chmod +x set\_env.sh** and press Enter.
3. Type **set\_env.sh** and Press Enter.
4. Go to <KERNEL\_INSTALL\_DIR>/ SSIAD\_EJB /client/OC4J
5. Type **chmod +x runEJBClient.sh**
6. Type **runEJBClient.sh STOP** and press Enter



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