FLEXCUBE UBS Inbound Application Adapter Installation Document

Version 14.3.0.0.0

FLEXCUBE KERNEL

[May] [2019]



Contents

[1 Installation Steps 2](#_Toc451345217)

[1.1 Prerequisite 2](#_Toc451345218)

[1.2 Steps 2](#_Toc451345219)

1

# 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 FCC – FC SSI MH Integration** **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 AckFile.XSD is stored.

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

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

2. SSIAD\_ACK\_XSD: This property specifies the name of the XSD against which

SSIAD Envelope validation is done for acknowledgement messages.

eg. SSIAD\_ACK\_XSD = “AckFile.XSD”.

3. SSIAD\_ERR\_XSD: This property specifies the name of the XSD against which

SSIAD Envelope validation is done for error messages.

eg. SSIAD\_ERR\_XSD ="ErrorInfo.xsd".

4. IS\_XSD\_VAL\_REQD - This property specifies whether XSD validation should be done

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

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

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

eg. IB\_EJB\_SERVER\_URL = ormi://10.80.44.103:23791/SSIAD\_EJB\_ACK\_Bean

6. IB\_EJB\_CTX\_FACTORY: This property define context factory for OC4J server used by

Oracle Application Server applications to perform JNDI operations

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

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

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

8. 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. This must always be REMOTE.

10. IB\_EJB\_LOCAL\_CALL: This must always be LOCAL.

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

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

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

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

server.

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

database server.

16. 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.]***

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

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

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

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

Server.

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

server.

22. SSIAD\_EJB\_MH\_ACKNOWLEDGE: This property defines acknowledgement file path on

SSI MH server.

23. 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.

24. 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.

25. 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.

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

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

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

Queue Manager to which Gateway MDB is associated.

eg. SSIAD\_EJB\_JMS\_QCF =MDBQCF

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

Gateway MDB is listening.

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

29. 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.

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

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

31. 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.

32. 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.

33. 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.

34. XSL\_PATH: This property specifies the path where the SSIAD\_EJB\_ACK\_XSL.XSL is

stored.

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

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

***at the end.]***

35. SSIAD\_EJB\_ACK\_XSL: This property specifies the acknowledgement XSL file name.

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

36. SSIAD\_EJB\_ERR\_XSL: This property specifies the error XSL file name.

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

37. EJB\_OBJ\_PATH: This property specifies the 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.]***

1. LOGGER\_PATH: This property specifies the path of the logger property file. This file

can be found at <KERNEL\_INSTALL\_DIR>/SSIAD\_EJB\_ACK/config.

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

***at the end.]***

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

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

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

<add key="SSIAD\_ACK\_XSD" value="AckFile.xsd"/>

<add key="SSIAD\_ERR\_XSD" value="ErrorInfo.xsd"/>

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

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

<add key="IB\_EJB\_SERVER\_URL"

value="ormi://10.80.44.103:23791/SSIAD\_EJB\_ACK\_Bean"/>

<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="aIJWEK]U\_"/>

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

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

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

<!--

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

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

-->

<!-- FTP 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="YMg\_M[KMo"/>

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

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

User/ejback/ACK\_ERR\_DLF/"/>

<add key="SSIAD\_EJB\_MH\_IP" value="10.80.44.85"/>

<add key="SSIAD\_EJB\_MH\_USERID" value="i-flex\sanjaym"/>

<add key="SSIAD\_EJB\_MH\_PASSWORD" value="7t[]Mgv&amp;"/>

<add key="SSIAD\_MH\_ACK\_FOLDER" value="Line2/SERVER/ACK/"/>

<!--

<add key="SSIAD\_EJB\_MH\_ENVELOPE" value="Line1/CLIENT/REQ/"/>

<add key="SSIAD\_MH\_PAYLOAD\_PATH" value="Line1/CLIENT/FILEACT/PAYLOAD/PUT/"/>

-->

<!-- 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"/>

<!-- XSL -->

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

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

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

<!-- Client -->

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

<!-- ISCELLANEOUS PROPERTIES -->

<add key="LOGGER\_PATH"

value="D:/KernelSSIAD\_OC4J/SSIAD\_EJB\_ACK/config/ssiad\_ejb\_ack\_logger.xml"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#86 <Start> -->

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

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

e.g. 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\_ACK/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\_ACK\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\_ACK/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

eg.

set ORACLE\_HOME=D:\Oracle10gAS

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

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

eg. 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**

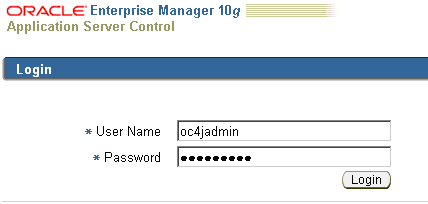
* Open an internet browser and type the OC4J Admin Console URL Address of the server.

e.g. <http://10.80.161.40:8888/em>

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

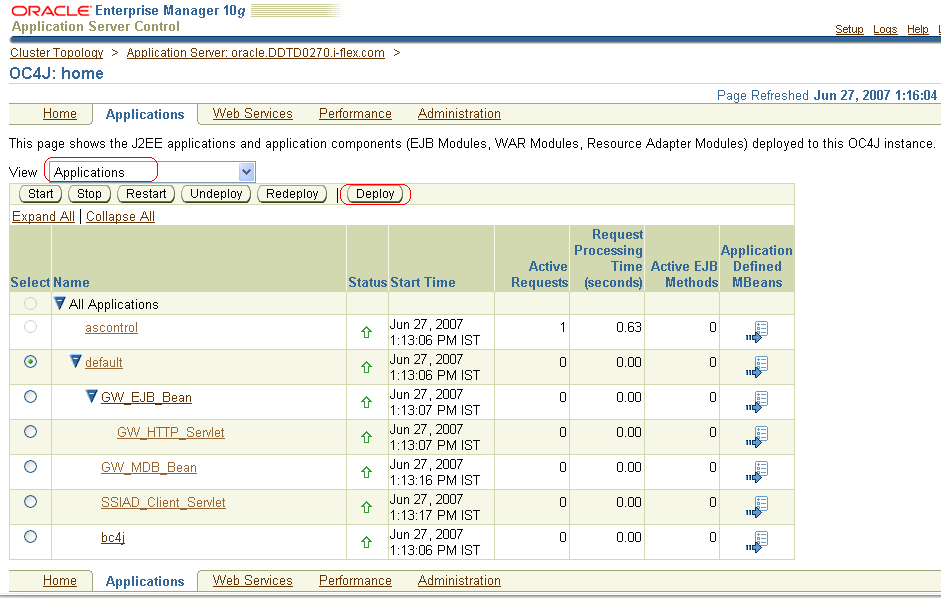
* Login to Administrative Console

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



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

* Click on Applications -> Deploy.

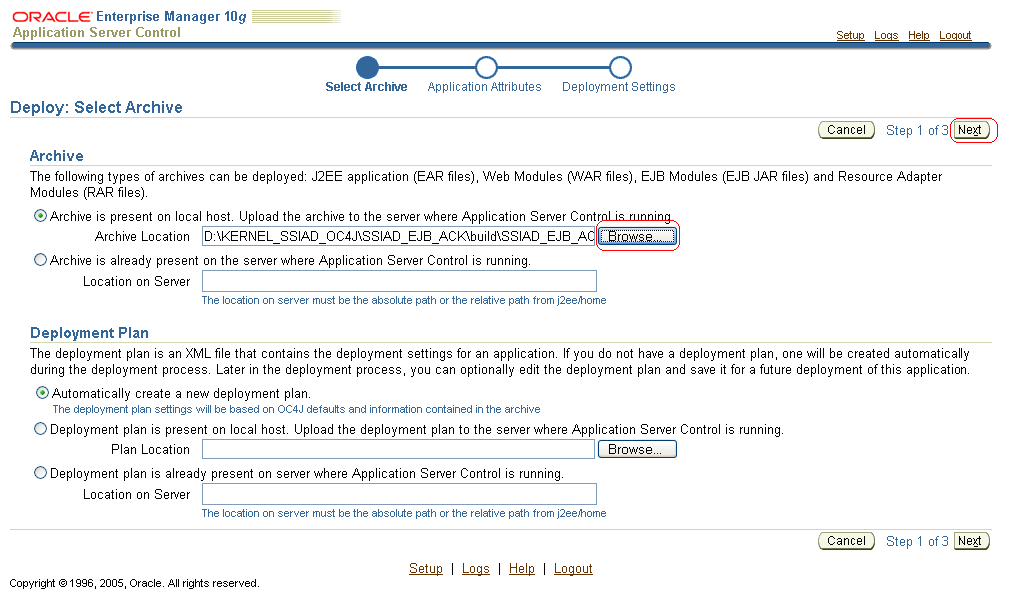


1. **Following screen will be displayed.**

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

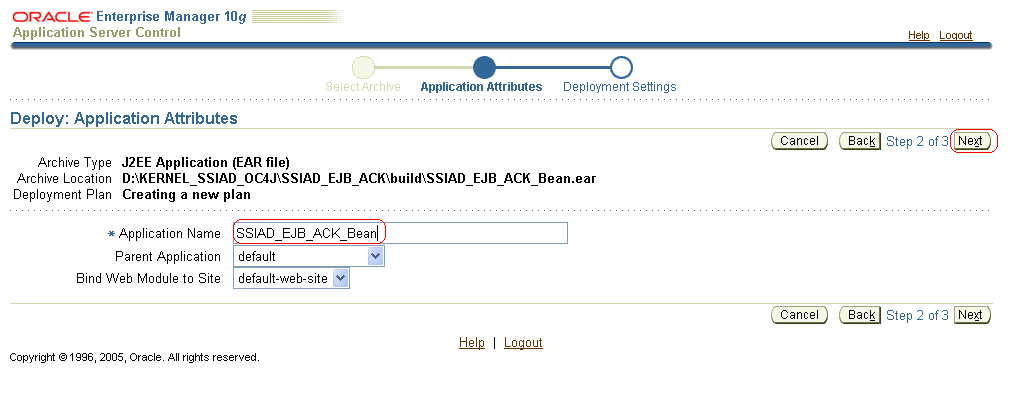
<KERNEL\_INSTALL\_DIR>/SSIAD\_EJB\_ACK/build/SSIAD\_EJB\_ACK\_Bean.ear

* Click on **Next**.



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

* Click on **Next**.



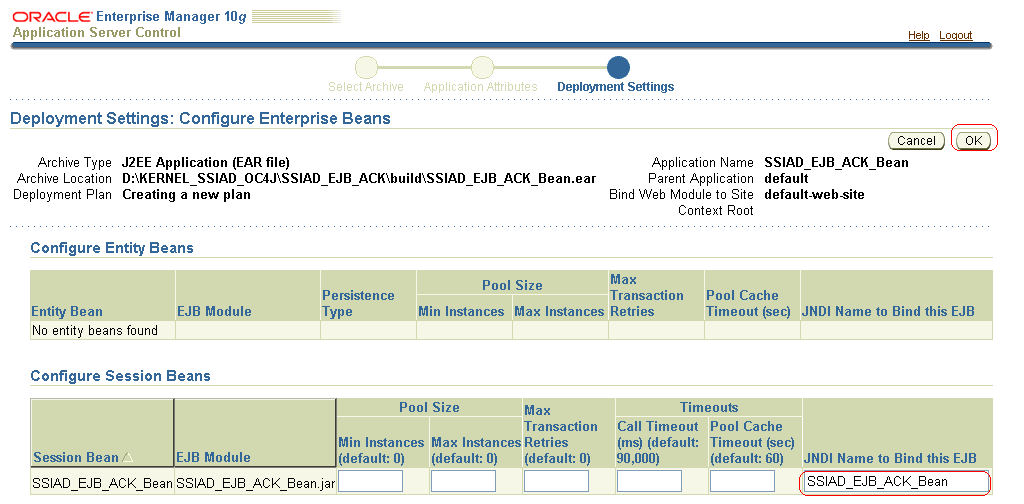
1. **Following screen will be displayed.**

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



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

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



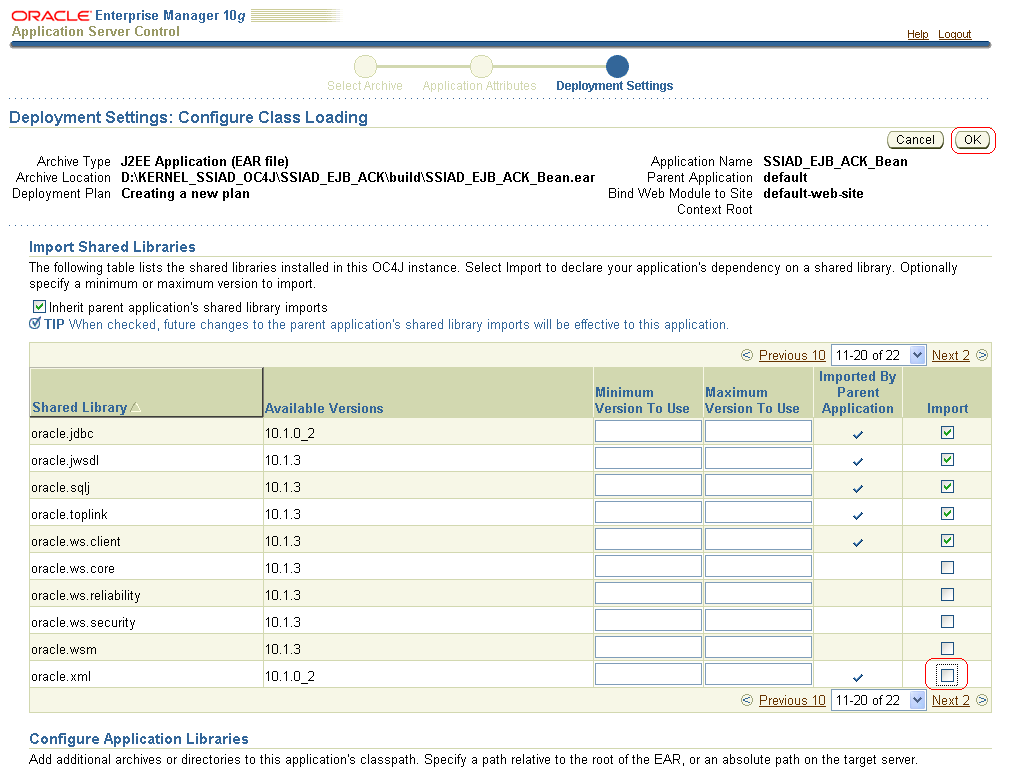
1. **Following screen will be displayed.**

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



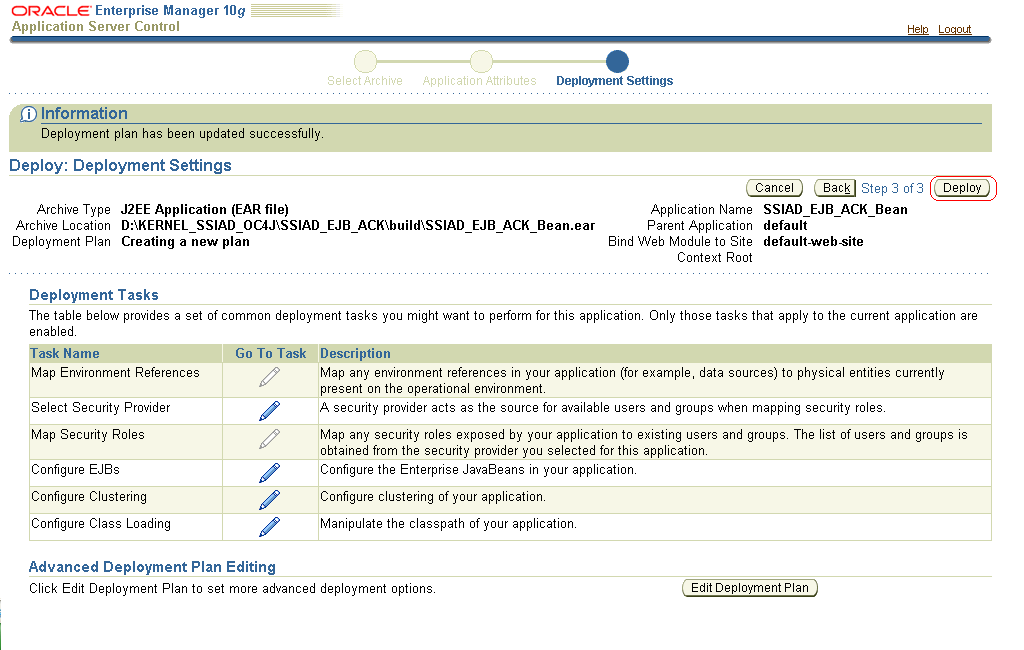
1. **Following screen will be displayed.**

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



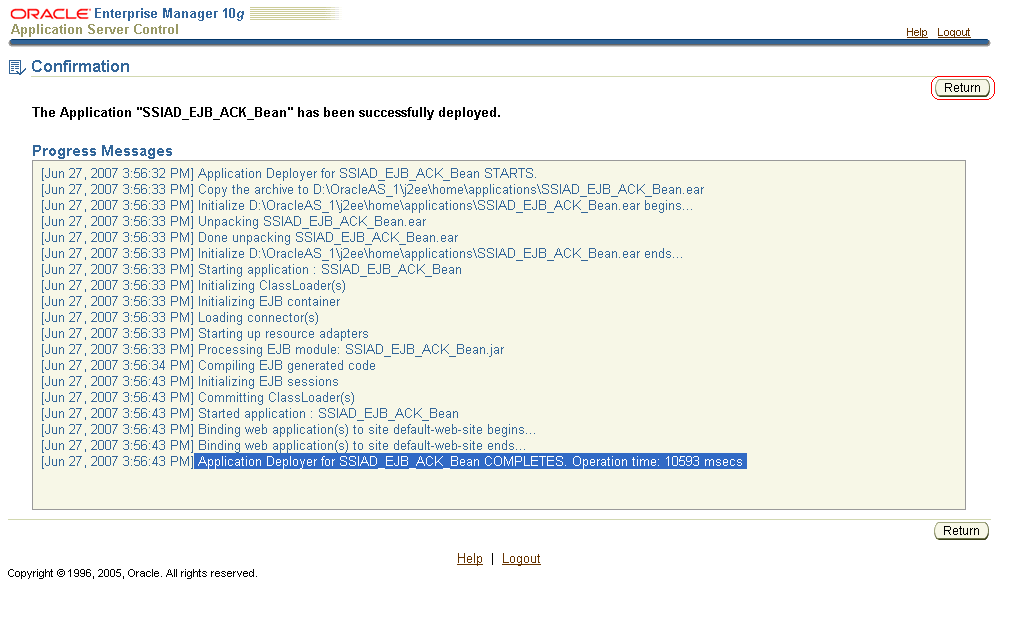
1. **Following screen will be displayed.**

* Click on **Deploy**

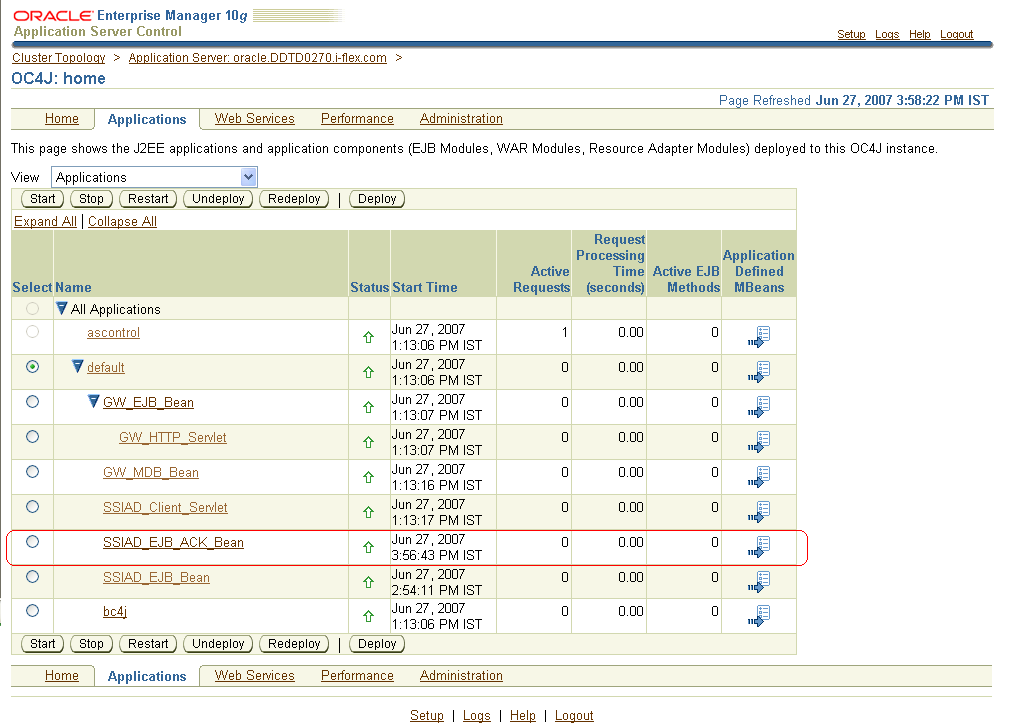


1. **Following screen will be displayed.**

* Click on **Return**



1. *Following screen will be displayed*



1. **Notifying the SSIAD\_EJB\_ACK\_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\_ACK\client\OC4J
5. Type **runEJB\_ACKClient 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\_ACK/client/OC4J
5. Type **chmod +x runEJB\_ACKClient.sh**
6. Type **runEJB\_ACKClient.sh START** and press Enter
7. **Canceling the SSIAD\_EJB\_ACK\_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\_ACK/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\_ACK/client/OC4J
5. Type **chmod +x runEJB\_ACKClient.sh**
6. Type **runEJB\_ACKClient.sh STOP** and press Enter



FLEXCUBE UBS Inbound Application Adapter Installation Document

Version 14.3.0.0.0

[May] [2019]

Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway

Goregaon (East)

Mumbai, Maharashtra 400 063

India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

www.oracle.com/financialservices/

Copyright © [2008], [2019], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.