Oracle Financial Services Inline Processing Engine

Configuration Guide

Release 8.0.0.0.0



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Preface

This Preface provides supporting information for the *Oracle Financial Services Analytical Applications Infrastructure Inline Processing Configuration (OFSAAI IPE) Guide* and includes the following topics:

- Summary
- Audience
- Documentation Accessibility
- Related Documents
- Conventions

Summary

You can find the latest copy of this document in the OHC library which includes all the recent additions/revisions (if any) done till date.

Before you begin the installation, ensure that you have an access to the Oracle Support Portal with the required login credentials to quickly notify us of any issues at any stage. You can obtain the login credentials by contacting Oracle Support.

Audience

Oracle Financial Services Analytical Applications Infrastructure Inline Processing Application Configuration Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

Prerequisites for the Audience

Following are the expected preparations before starting the actual installation:

The document assumes you have experience in installing Enterprise components. Basic knowledge about the Oracle Financial Services Analytical Applications Infrastructure Applications Pack components, Inline Processing Sample Application, OFSAA Architecture, UNIX commands, Database concepts and Web Server/ Web Application Server is recommended.

Related Documents

This section identifies additional documents related to OFSAA Infrastructure. You can access Oracle documentation online from the Documentation Library for OFSAAI 8.0 (OHC).

- Oracle Financial Services Inline Processing User Guide
- Oracle Financial Services Inline Processing Sample Application Installation Guide



Release Notes

Conventions and Acronyms

The following conventions are used in this guide.

| Conventions | Description |
|------------------|----------------------------|
| Bold. | Indicates Actions |
| Courier New font | Indicates Command or Query |

Acronyms

This guide contains the following acronyms.

| Acronyms | Description |
|----------|---|
| IPE | Inline Processing Engine |
| Infodom | Information Domain |
| OFS AAI | Oracle Financial Services Analytical Application Infrastructure. |
| OFS AAAI | Oracle Financial Services Advanced Analytical Application Infrastructure. |
| ОНС | Oracle Help Center |



1 About OFSAAI IPE

This chapter includes the following topics:

- About OFSAA
- About IPE

1.1 About OFSAA

In today's turbulent markets, financial institutions require a better understanding of their risk-return, while strengthening competitive advantage and enhancing long-term customer value. Oracle Financial Services Analytical Applications (OFSAA) enable financial institutions to measure and meet risk adjusted performance objectives, cultivate a risk management culture through transparency, lower the costs of compliance and regulation, and improve insight into customer behavior.

OFSAA uses industry-leading analytical methods, shared data model and applications architecture to enable integrated risk management, performance management, customer insight, and compliance management. OFSAA actively incorporates risk into decision making, enables to achieve a consistent view of performance, promote a transparent risk management culture, and provide pervasive intelligence.

Oracle Financial Services Analytical Applications delivers a comprehensive, integrated suite of financial services analytical applications for both banking and insurance domain.

1.2 About IPE

This guide provides step by step instructions for performing Inline Processing Configuration process actions. Inline Processing creates an infrastructure to do real-time monitoring of incoming messages. For example, this capability enables you to identify fraud events earlier, avert more losses, and minimize customer service and retention issues.



2 Configuring IPE

This chapter discusses the prerequisite instructions required to configure IPE.

2.1 Prerequisites

The following prerequisite configurations must be verified before installation:

- A user must be created and mapped with the IPE ADMN (Inline Processing Admin Group)
 user group.
- The IPEADMIN user group must be mapped with Infodom.
- Connection Pooling and Data Source must created for the following schemas:
 - Config Schema with Data Source name as jdbc/FICMASTER
 - IPE Atomic Schema with Data Source name as jdbc/<INFODOM NAME>
 - IPE metadom schema with Data Source name as jdbc/<INFODOM NAME>CNF

For more information, refer to section *Configuring Resource Reference* of the *OFS AAAI* Application Pack Installation and Configuration Guide.

- It is mandatory to have the ILP.ear in the same profile or domain where the <contextname>.ear file of the OFS AAAI Application is deployed.
- Oracle Database Patches: Ensure that the following patches are applied.

Table 1: Oracle Database Patches

| Database Server | Prerequisite DB Patches |
|------------------------------|-------------------------|
| Oracle Server 12c, v12.1.0.1 | 17082699 |
| Oracle Server 12c, v12.1.0.2 | 19392604, 18112110 |

The Websphere JDBC Providers should point to the oracle driver file path where the patch 17082699 is installed.

NOTE: Sample Application installation is mandatory to work with IPE Framework.



3 Configuring IPE in Web Application Servers

This section explains the details about configuring the Web Application Servers.

This section includes the following topics:

- Configuring IPE in WebLogic
- Configuring IPE in WebSphere

NOTE: IPE does not support Tomcat Web Application Server.

3.1 Configuring IPE in WebLogic

To configure IPE in WebLogic, follow these topics:

- Login to WebLogic Administrative console
- Configuring JMS Servers
- Configuring JMS Modules
- Creating Subdeployments
- Creating JMS Connection Factory
- Creating JMS Topic
- Creating JMS Queues

3.1.1 Login to WebLogic Administrative Console

To login to the WebLogic Administrative Console, follow these steps:

- Open the following URL in the browser window:
 http://<ipaddress>:<administrative console port>/console. (https if SSL is enabled). The Welcome window is displayed.
- 2. Login with the Administrator Username and Password.

3.1.2 Configuring JMS Servers

To configure JMS Servers, follow these steps:

- 1. In the Domain Structure LHS menu, click + to expand Services.
- 2. Click + to expand **Messaging**. The *WebLogic Server Administration Console* page is displayed.
- 3. Select **JMS Servers**. The *Summary of JMS Servers* page is displayed.



Configuring IPE

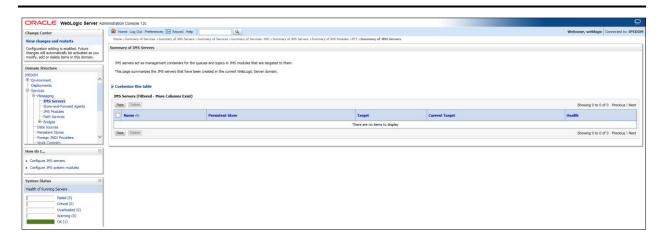


Figure 1: Summary of JMS Server

4. Click **New**. The *Create a New JMS Server* page is displayed.

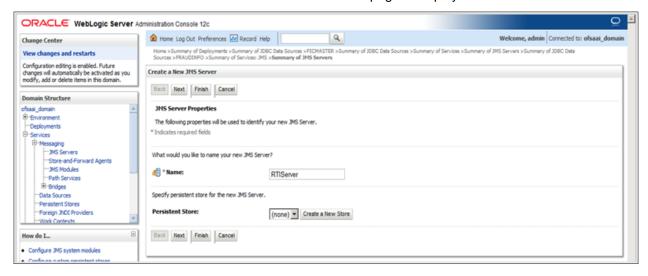


Figure 2: Create a New JMS Server

- 5. Enter the name as RTIServer under JMS Server Properties.
- 6. Click Next. The Select Targets section is displayed.

Configuring IPE

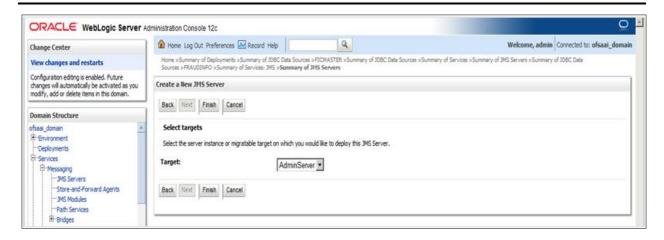


Figure 3: Create a New JMS Server - Select Targets

- 7. Select the Target as AdminServer.
- 8. Click Finish.



Figure 4: Summary of JMS Servers

9. The following confirmation message is displayed JMS Server is created successfully.



3.1.3 Configuring JMS Modules

To configure JMS Modules, follow these steps:

- 1. In the Domain Structure LHS menu, click + to expand Services.
- 2. Click + to expand Messaging.
- 3. Click **JMS Modules**. The *JMS Module* screen is displayed.

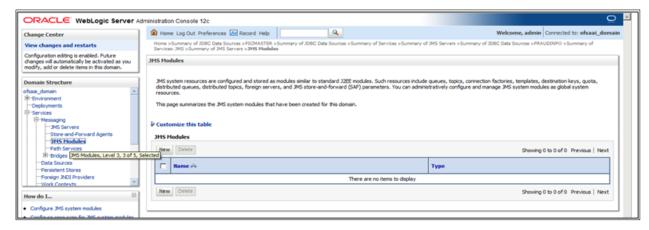


Figure 5: JMS Module

4. Click **New**. The *Create JMS System Module* page is displayed.



- 5. Enter the name as RTI.
- 6. Click **Next**. The *Create JMS System Module* page is displayed.



Configuring IPE

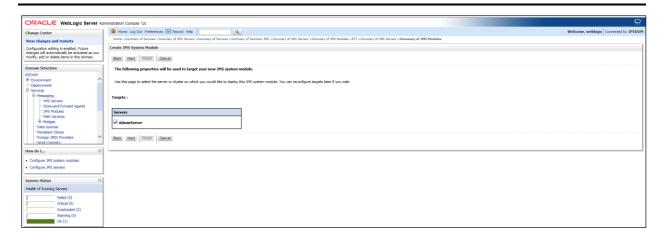


Figure 6: Create JMS System Module

- 7. Check the **AdminServer** in the *Servers* section.
- 8. Click Next.

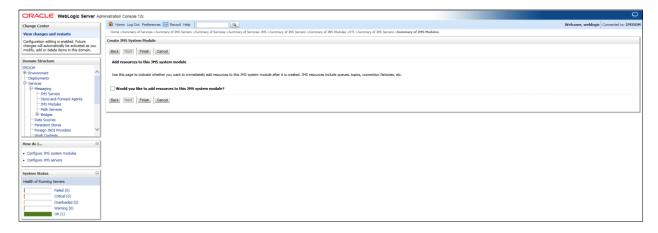


Figure 7: Create JMS System Module

9. Click Finish.

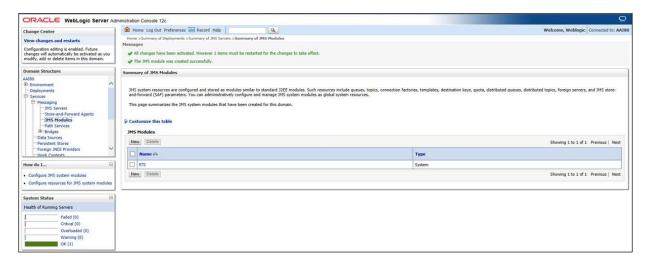


Figure 8: Summary of JMS Modules

10. The following confirmation message is displayed: JMS Module is created successfully.

3.1.4 Creating Subdeployments

This section discusses the following Subdeployments which are to be created

- Creating RTI Deploy
- Creating RTISubdeploy

3.1.4.1 Creating RTI Deploy

To create **RTI Deploy** subdeployment, follow these steps:

- 1. In the Domain Structure LHS menu, click + to expand Services.
- 2. Click + to expand Messaging.
- 3. Click JMS Modules. The JMS Module screen is displayed.
- 4. Click JMS Module RTI. The Settings for RTI screen is displayed.
- 5. Click the **Subdeployments** tab.



Figure 9: Setting for RTI



6. Click New. The Create a New Subdeployment screen is displayed.



Figure 10: Create a New Subdeployment

- 7. Enter the Subdeployment Name as RTI Deploy.
- 8. Click Next.



Figure 11: Create a New Subdeployment

- 9. Select the JMS Servers as RTIServer.
- 10. Click Finish.

The following confirmation message is displayed: *Subdeployment is created successfully*.



Figure 12: Settings for RTI

3.1.4.2 Creating RTISubdeploy

To create **RTISubdeploy** subdeployment, follow these steps:

1. Repeat Steps 1 - 7 from section Create RTI Deploy.



2. Enter the following details:

Table 2: Subdeployment - Field Values

| Field | Value |
|--------------------|-------------------------------------|
| Subdeployment Name | Enter RTISubdeploy as the name. |
| JMS Servers | Select RTIServer as the JMS Server. |



Figure 13: Subdeployments

3. The following confirmation message is displayed: *Subdeployment is created successfully.*



3.1.5 Creating JMS Connection Factory

To create JMS Connection Factories, follow these steps:

- 1. In the Domain Structure LHS menu, click + to expand Services.
- 2. Click + to expand Messaging.
- 3. Click JMS Modules. The JMS Modules screen is displayed.

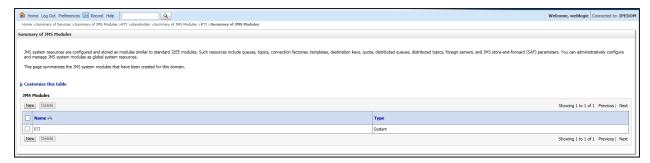


Figure 14: JMS Modules

4. Click RTI. The Settings for RTI screen is displayed.

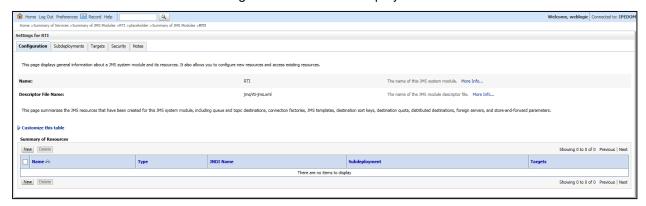


Figure 15: Settings for RTI



5. Click **New**. The *Create a New JMS System Module* screen is displayed.

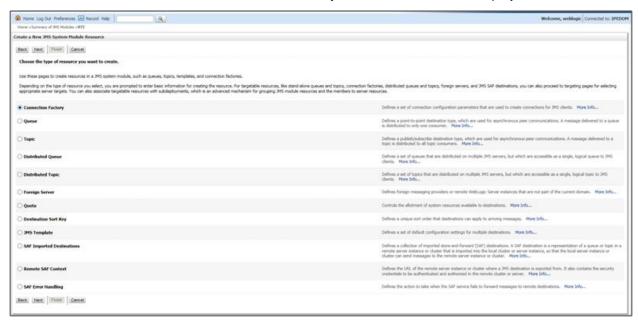


Figure 16: Create a New JMS System Module Resource

- 6. Select Connection Factory.
- 7. Click Next. The Create a New JMS System Module Resource screen is displayed.



Figure 17: Create a New JMS System Module Resource

8. Enter the Name as **JMS Connection Factory**.



9. Click **Next**. The *Create a New JMS System Module Resource* screen with the Target section is displayed.



Figure 18: Create a New JMS System Module Resource - Targets

- 10. Select AdminServer.
- 11. Click Finish.

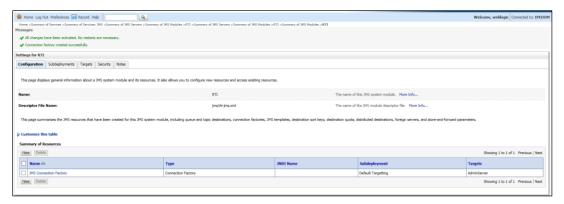


Figure 19: Settings for RTI - JMS connection Factory

12. Click **JMS Connection Factory**. The *Settings for JMS Connection Factory* screen is displayed.

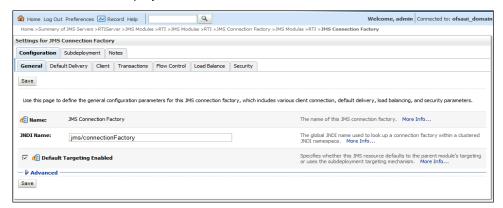


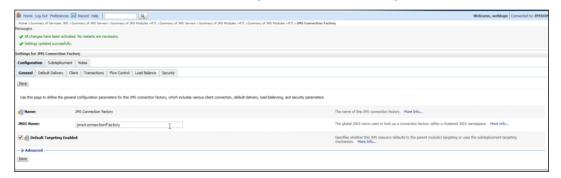
Figure 20: settings for JMS Connection Factory

13. Enter the following details:

| Field | Value |
|---------------------------|--|
| Name | The name of the JMS connection factory is displayed as JMS Connection Factory. |
| JNDI Name | jms/connectionFactory |
| Default Targeting Eanbled | Select the check-box to enable Default Targeting. |

14. Click Save.

The following confirmation message is displayed. JMS Connection Factory is created successfully.



3.1.6 Creating JMS Topic

This section discusses the following JMS Topics to be created:

- Creating RTI Assessment Response Destination Topic
- Creating Cache Operation Message Destination Topic



3.1.6.1 Creating RTI Assessment Response Destination Topic

To create JMS Topic, follow these steps:

- 1. In the Domain Structure LHS menu, click + to expand Services.
- 2. Click + to expand Messaging.
- 3. Click JMS Modules. The JMS Modules screen is displayed.

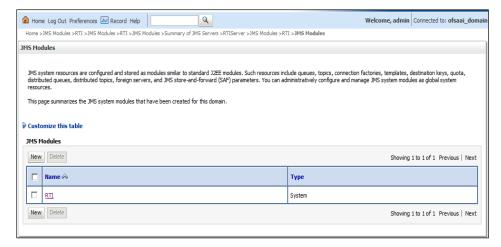


Figure 21: JMS Modules

4. Click RTI. The Settings for RTI screen is displayed.



Figure 22: Settings for RTI - JMS topic

5. Click New. The Settings for JMS Connection Factory screen is displayed.

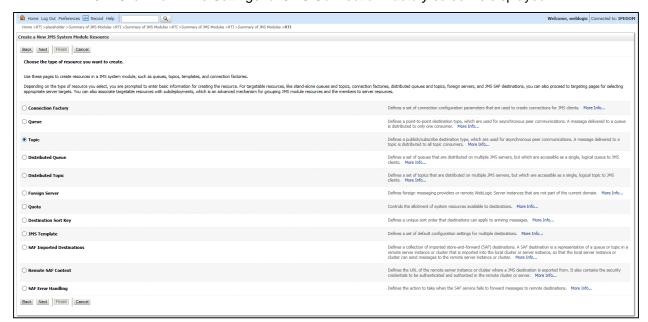


Figure 23: Select type of resource

6. Select Topic from the list.



7. Click Next. The Create a New JMS System Module Resource screen is displayed.

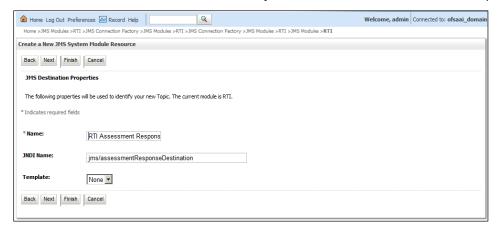


Figure 24: Create a New JMS System Module Resource

8. Enter the following details:

Table 3: JMS Topic - Field Values

| Field | Value |
|-----------|---|
| Name | RTI Assessment Response Destination Topic |
| JNDI Name | jms/assessmentResponseDestination |

9. Click **Next**. The *Create a New JMS System Module Resource* screen is displayed.



Figure 25: Create a New JMS System Module Resource

- 10. Select the Subdeployments as RTISubDeploy.
- 11. Select RTISever.
- 12. Click Finish.
- 13. The following confirmation message is displayed. *JMS Topic is created successfully*.



Configuring IPE

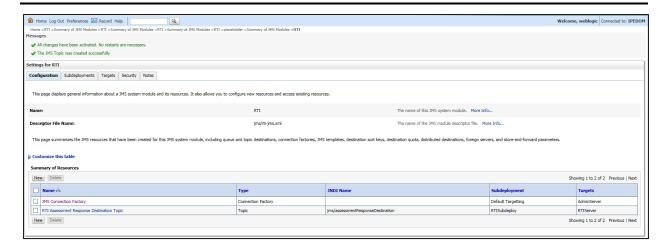


Figure 26: JMS Topic created successfully

3.1.6.2 Creating Cache Operation Message Destination Topic

To create **Cache Operation Message Destination Topic**, follow these steps:

- Repeat Steps 1 13 from section <u>Creating RTI Assessment Response Destination</u> <u>Topic.</u>
- 2. Enter the following details:

Table 4: JMS Topic - Field Values

| Field | Value |
|-----------|---|
| Name | Cache Operation Message Destination Topic |
| JNDI Name | jms/cacheOperationMessageDestination |



3. The following confirmation message is displayed. *JMS Topic is created successfully*.

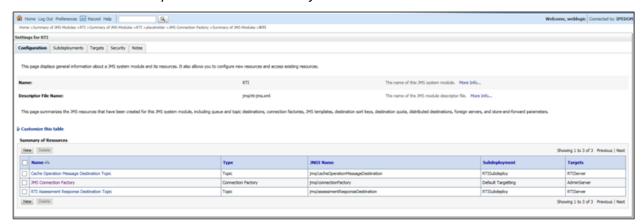


Figure 27: JMS Topic created

3.1.7 Creating JMS Queues

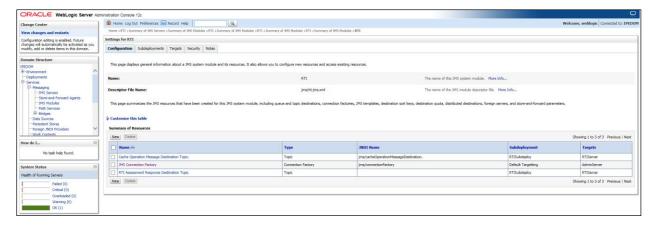
This section discusses the following queues to be created:

- RTI Feedback Queue
- RTI Source Entity Queue
- Wire Transaction Source Entity Queue
- RTI Hold JMS Queue

3.1.7.1 RTI Feedback Queue

To create the RTI Feedback Queue, follow these steps:

- 1. In the Domain Structure LHS menu, click + to expand Services.
- 2. Click + to expand Messaging.
- 3. Click JMS Modules.
- 4. Click RTI. The Settings for RTI screen is displayed.





5. Click New. The Create a New JMS System Module Resource screen is displayed.

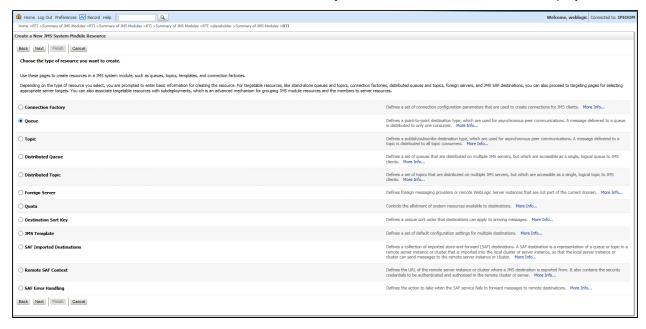


Figure 28: JMS Queue - Create a New JMS system Module

- 6. Select Queue from the list.
- 7. Click **Next**. The *Create a New JMS System Module Resource* screen is displayed.



Figure 29: JMS Queue - Create a New JMS system Module

8. Enter the following details:

Table 5: JMS Queue - Field Values

| Field | Value |
|-----------|--------------------|
| Name | RTI Feedback Queue |
| JNDI Name | jms/feedbackQueue |



- 9. Click Next.
- 10. Select the Subdeployments as RTISubDeploy.

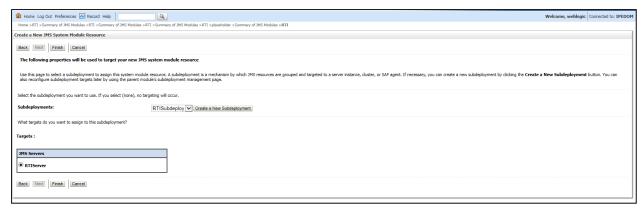


Figure 30: JMS Queue - Create a New JMS System Module Resource

- 11. Click Finish.
- 12. The following confirmation message is displayed. RTI Feedback Queue is created *successfully*.

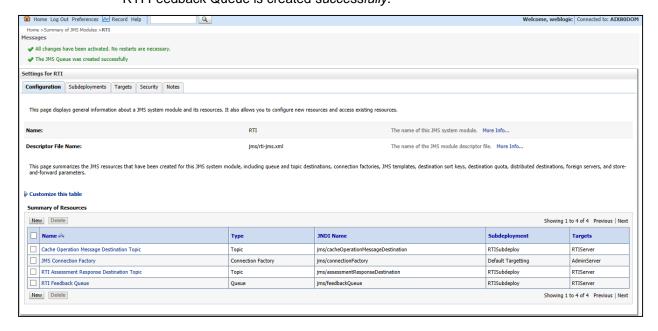


Figure 31: JMS Queue created successfully



3.1.7.2 Creating Remaining JMS Queues

To create the remaining JMS Queues, follow these steps:

- 1. Repeat Steps 1 11 as in section RTI feedback Queue.
- 2. Enter the values given in the following table.

Table 6: WebLogic JMS Queues - Field Values

| Queue Name | Fields | | |
|---|--|---|--|
| | Name | JNDI name | Subdeployment |
| RTI Hold JMS Queue | Enter the name as RTI Hold JMS Queue | Enter the JNDI name as jms/TransactionActionQueue | Select the Subdeployment as RTISubDeploy |
| RTI Source Entity Queue | Enter the name as RTI Source Entity Queue | Enter the JNDI name as jms/sourceEntityQueue | Select the Subdeployment as RTISubDeploy |
| Wire Transaction Source Entity Queue | Enter the name as Wire Transaction Source Entity Queue | Enter the JNDI name as jms/wireTrxnQueue | Select the Subdeployment as RTISubDeploy |

3. The following confirmation message is displayed. *The JMS Queue was created successfully.*



Configuring IPE

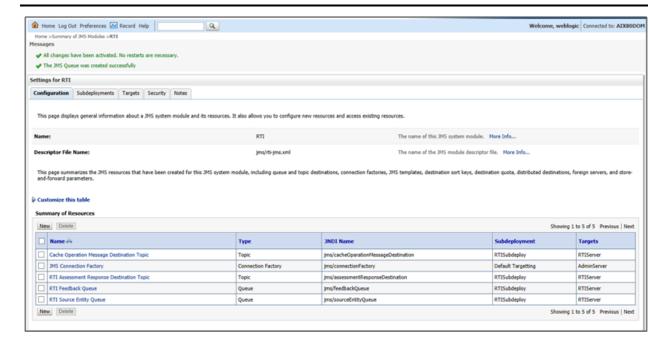


Figure 32: JMS Queues

3.1.8 Restart Weblogic Domain

For more information, refer to the Start/Stop Infrastructure Services section in the Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide available on the OHC page.



3.2 Configuring IPE in WebSphere

This section explains the WebSphere configuration for IPE and includes the following topics:

- Login to WebSphere
- JMS Providers
- JMS Connection Factories
- JMS Queues
- JMS Topics

3.2.1 Login to WebSphere

To configure IPE on WebSphere follow these steps:

- Open the following URL in the browser window:
 http://<ipaddress>:<administrative console port>/ibm/console.
 (https if SSL is enabled). The Login window is displayed.
- 2. Login with the Administrator **Username** and **Password**.

3.2.2 Bus Creation

- 1. Click + to expand **Service Integration** in the LHS menu.
- 2. Click Buses. The Buses page is displayed.

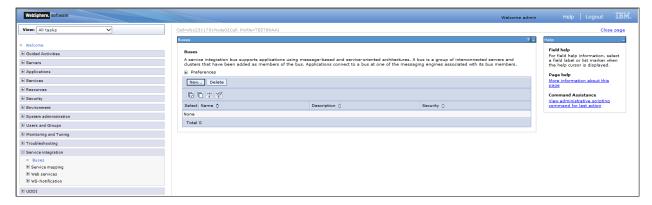


Figure 33: Buses



3. Click New. The Create a New Service Integration Bus screen is displayed



Figure 34: Create a New Service Integration Bus

- 4. Enter the name as RTIServer.
- 5. Un-check Bus security.
- 6. Click Next.

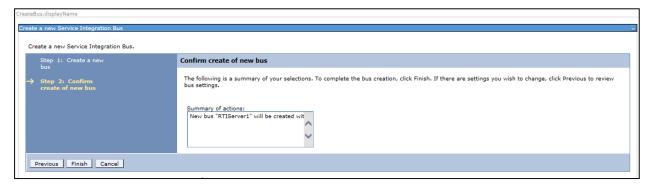


Figure 35: Create a New Service Integration Bus

- 7. Click Finish.
- 8. Click Save.

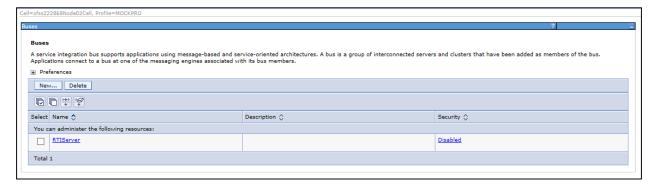


Figure 36: Buses



3.2.3 Bus Member Creation

To create a Bus Member follow these steps:

- 1. Click + to expand **Service Integration** in the LHS menu.
- 2. Click Buses.
- 3. Click RTIServer. The RTI Server screen is displayed.

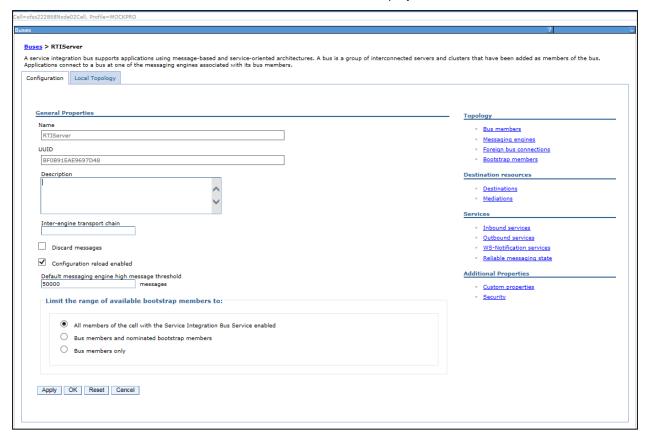


Figure 37: RTI Server

4. In the Topology section, click **Bus members**. The Bus members screen is displayed.

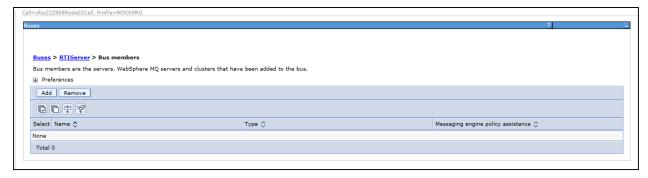


Figure 38: Bus members



- 5. Click Add. The Add a New Bus Member screen is displayed.
- 6. Select Server.

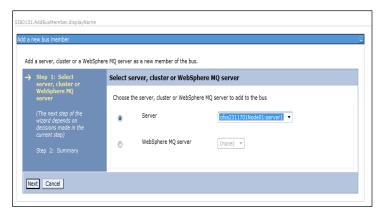


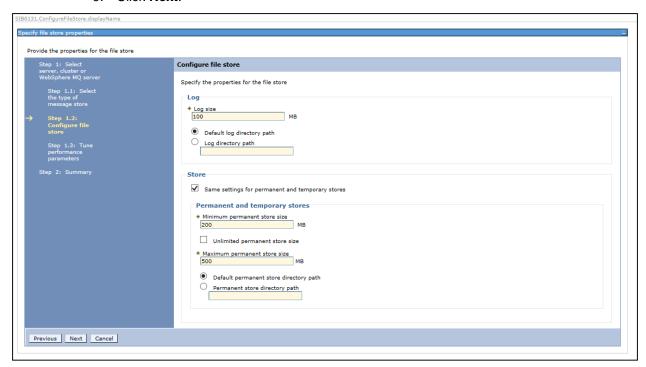
Figure 39: Add a New Bus Member

7. Click Next.

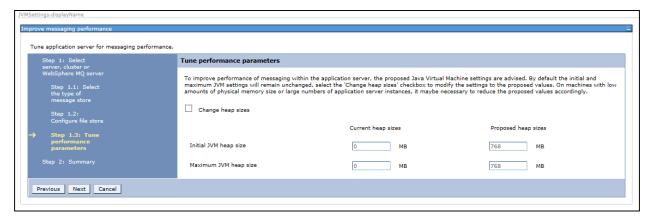


8. Select File Store.

9. Click Next.

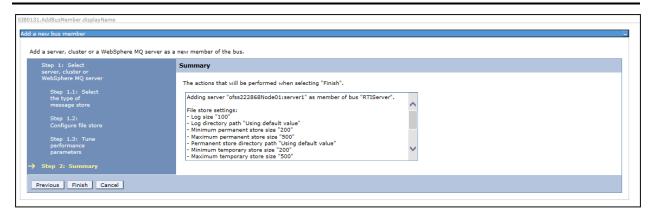


10. Click Next.



11. Click Next.





12. Click Finish. The Buses screen is displayed.



Figure 40: Bus Members created successfully

13. Click Save.

3.2.4 Configuring JMS Providers

This section discusses the configuration of JMS providers.

To navigate to JMS Providers sections, follow these steps:

- 1. Click + to expand Resources.
- 2. Click + to expand JMS.
- 3. Click JMS Providers. The JMS Providers screen is displayed.
- 4. Select **Cell** as Scope. (for example, Cell=OFSA80Node02Cell)
- 5. Verify that the Default messaging provider exists.



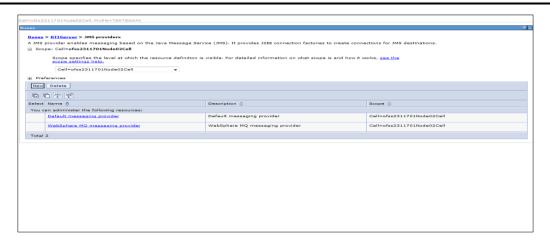


Figure 41: JMS Providers

3.2.5 Configuring JMS Connection Factory

This section explains about configuring JMS Connection Factory.

NOTE: For information about the ports used, refer to section <u>Check Ports in WebSphere</u>.

To configure JMS Connection Factory, follow these steps:

- 1. Click + to expand Resources.
- 1. Click + to expand JMS.
- 2. Click Connection Factories. The Connection Factories screen is displayed.

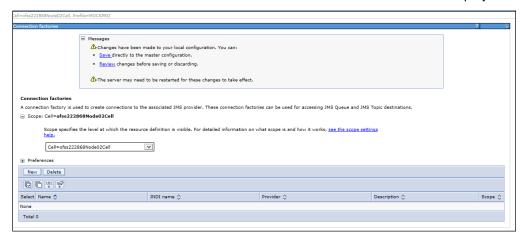


Figure 42: Connection Factories

- 3. Select the Scope as Cell. (for example, Cell=OFSA80Node02Cell)
- 4. Click New.
- 5. Select **Default Messaging Provider** option.
- 6. Click **OK**. The *JMS Connection Factory* screen is displayed.



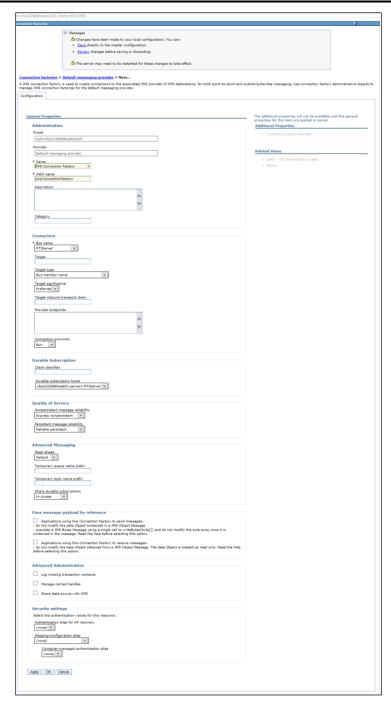


Figure 43: JMS Connection Factory

7. Enter the following details:

Table 7: JMS Connection Factory: Field Values

| Field | Value | Description |
|--------------------------------|--|--|
| Name | JMS Connection Factory | Enter the name of JMS Connection Factory |
| JNDI name | jms/connectionFactory | Enter the JNDI name for the JMS connection factory |
| Bus Name | RTIServer | Select the bus name. |
| Target Inbound Transport Chain | <transport chain="" name=""></transport> | Enter the transport chain name. Refer Appendix B for Transport chain name. For example: InboundBasicMessaging |
| Provider endpoints | <hostname>: <sib_endpoint_address port="">: <transport chain="" name=""></transport></sib_endpoint_address></hostname> | Enter the transport chain name. Refer Appendix B for Provider endpoints. For example: ofss222868.in.oracle.com:7280:InboundBasic Messaging |



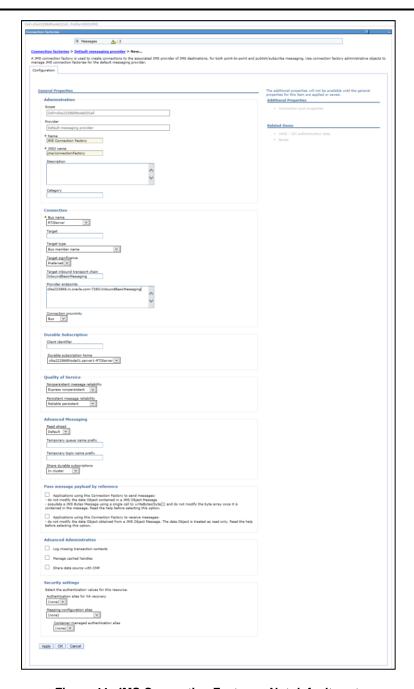


Figure 44: JMS Connection Factory – Not default port

8. Click **Apply** and save the details.

3.2.6 Configuring JMS Queues

This section discusses the following JMS Queues which are to be created:

- RTI Source Entity Queue
- RTI Hold JMS Queue
- RTI Feedback Queue
- Wire Transaction Source Entity Queue

3.2.6.1 Configuring RTI Source Entity Queue

To create RTI Source Entity Queue, follow these steps:

- 1. Click + to expand Resources in the LHS menu.
- 2. Click + to expand JMS.
- 3. Click Queues.



Figure 45: Queues

4. Select Scope as **Cell**. (For example, cell=OFSA80Node02Cell).



5. Click **New**. The Select JMS resource provider screen is displayed.



Figure 46: Select JMS resource provider

- 6. Select Default Messaging Provider.
- 7. Click **OK**. The General Properties section is displayed.

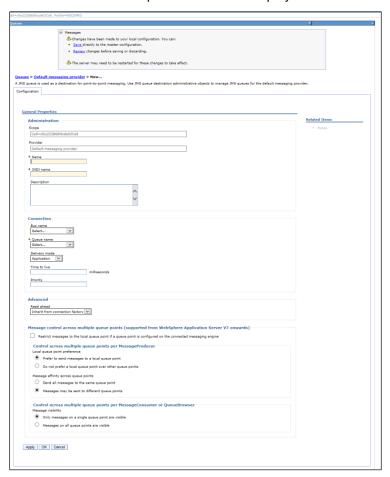


Figure 47: General Properties section



8. Enter the following details:

Table 8: JMS Queues General Properties - Field Values

| Field | Value |
|-----------|-------------------------|
| Name | RTI Source Entity Queue |
| JNDI Name | jms/sourceEntityQueue |
| Bus Name | RTIServer |

9. Select Create Service Integration Bus destination from Queue Name.

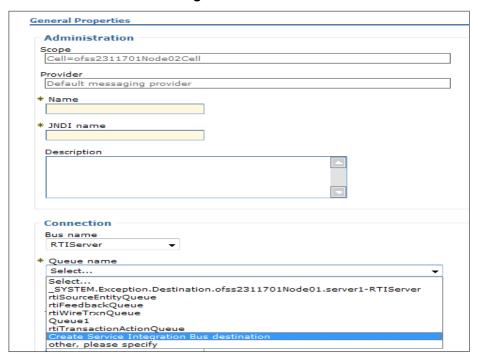


Figure 48: Queue Name

The Set queue attributes screen is displayed.



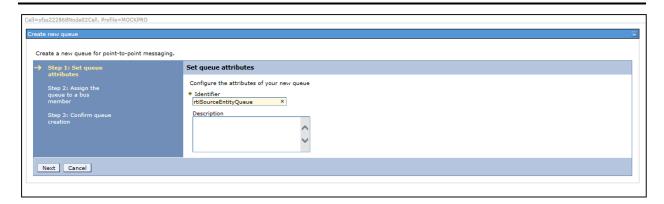


Figure 49: Set queue attributes

- 10. Enter the Identifier as rtiSourceEntityQueue.
- 11. Click Next.



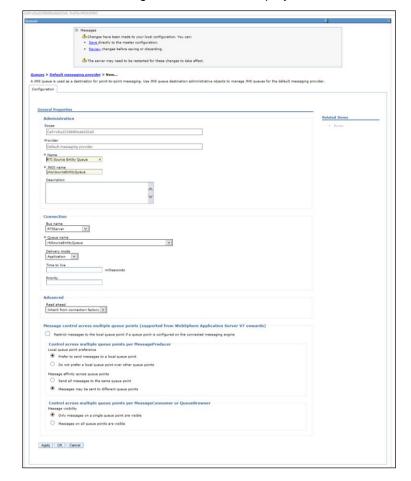
Figure 50: Assign the queue to a bus member

12. Click Next.



Figure 51: Confirm queue creation





13. Click Finish. The Configuration screen is displayed.

Figure 52: Configuration

14. Click Apply and save the details.



Figure 53: Queues



3.2.6.2 Creating remaining JMS Queues

Similarly, to create the remaining queues, follow these steps:

- 1. Repeat Steps 1 15 from section RTI Source Entity Queue.
- 2. Enter the following details:

Table 9: WebSphere JMS Queues - Field Values

| Queue Name | Fields | | | |
|--|--|--|--|--|
| | Name | JNDI name | Bus name | Queue Identifier |
| RTI Hold JMS Queue RTI Feedback Queue | Enter the name as RTI Hold JMS Queue Enter the name as RTI Feedback Queue | Enter the JNDI name as jms/TransactionActionQ ueue Enter the JNDI name as jms/feedbackQueue | Select the Bus name as RTIServer Select the Bus name as RTIServer | Enter the Queue as rtiTransactionActionQue ue Enter the Queue as rtiFeedbackQueue |
| Wire Transaction Source Entity Queue | Enter the name as Wire Transaction Source Entity | Enter the JNDI name as jms/wireTrxnQueue | Select the Bus name as RTIServer | Enter the Queue as rtiWireTrxnQueue |

3. The JMS Queues are created successfully.

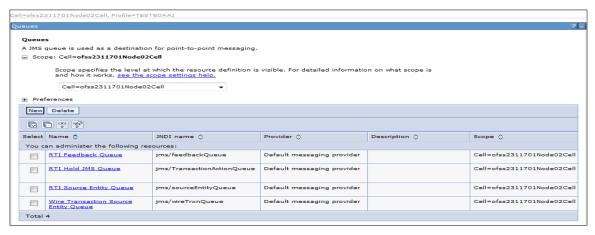


Figure 54: JMS Queue



3.2.7 Configuring JMS Topics

This section discusses the following JMS Topics which are to be created:

- Creating RTI Cache Operation Message Destination Topic
- Creating RTI Assessment Response Destination Topic

3.2.7.1 Creating RTI Cache Operation Message Destination Topic

To create JMS topics, follow these steps:

- 1. Click + to expand Resources in the LHS menu.
- 2. Click + to expand JMS.
- 3. Click Topics.
- 4. Select Cell as Scope (for example Cell=OFSA80Node02Cell)

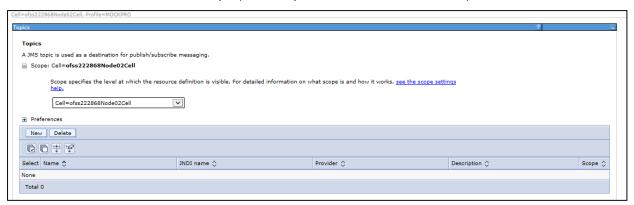


Figure 55: WebSphere - JMS Topics

5. Click **New**. The Select JMS resource provider screen is displayed.

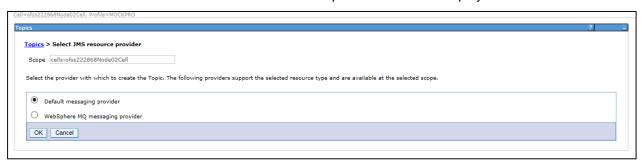


Figure 56: Select JMS resource provider

- 6. Select Default messaging provider.
- 7. Click **OK**. The *Configuration* screen is displayed.



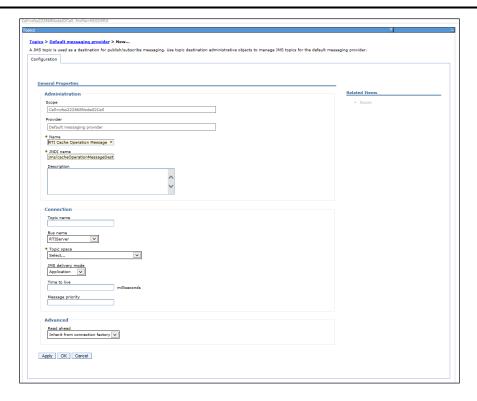


Figure 57: Configuration screen

8. Enter the following details:

Table 10: JMS Topic General Properties - Field Values

| Field | Value |
|-----------|---|
| Name | RTI Cache Operation Message Destination Topic |
| JNDI Name | jms/cacheOperationMessageDestination |
| Bus Name | RTIServer |

- 9. Select Create Service Integration Bus Destination from Topic space.
- 10. The Create new topic space screen is displayed.

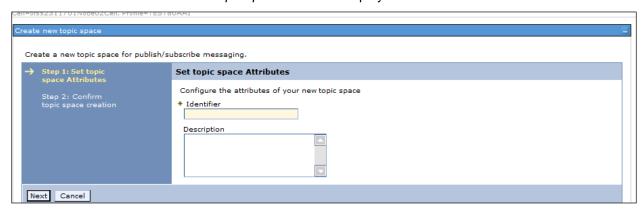


Figure 58: Create new topic space

- 11. Enter the Identifier as rtiCacheOperationTopic.
- 12. Click Next.

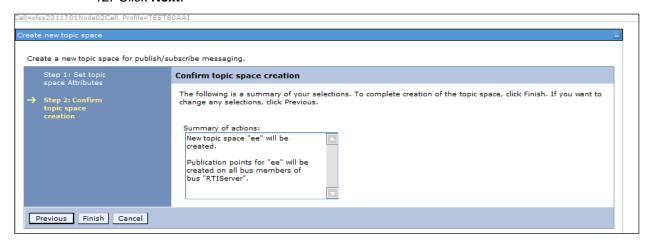


Figure 59: Confirm topic space creation

- 13. Click **Finish**. The *Configuration* screen is displayed.
- 14. Click **Apply** and save details.



3.2.7.2 Creating RTI Assessment Response Destination Topic

To create an RTI Assessment Response Destination Topic, follow these steps:

- 1. Repeat Steps 1-14 from section RTI Cache Operation Message Destination Topic.
- 2. Enter the following details:

| Field | Value |
|------------------------|---|
| Name | RTI Assessment Response Destination Topic |
| JNDI name | jms/assessmentResponseDestination |
| Bus name | RTIServer |
| Topic Space Identifier | rtiAssessmentResponseDestinationTopic |



3.2.8 RMI/IIOP Authentication Settings

This section describes the steps for authentication settings. For security setting, follow these steps:

- 1. Click + to expand Security in the LHS menu.
- 2. Click + to expand Global Security.
- 3. Click + to expand RMI/IIOP security under Authentication section.

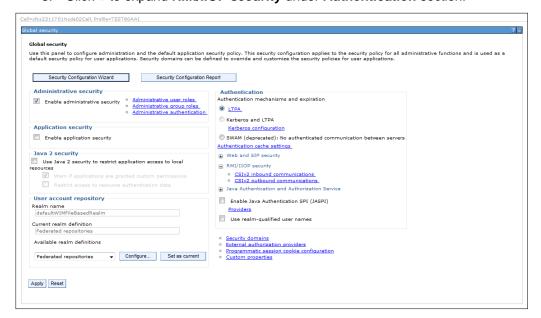


Figure 60: Global Security screen

- 4. Click CSIv2 inbound communications/CSIv2 outbound communications.
- 5. Select the following values:

Table 11: RMI/IIOP authentication Settings

| RMI/IOP Security | Client certificate authentication | Transport |
|-------------------------------|-----------------------------------|---------------|
| CSIv2 inbound communications | Supported | SSL-supported |
| CSIv2 outbound communications | Supported | SSL-supported |



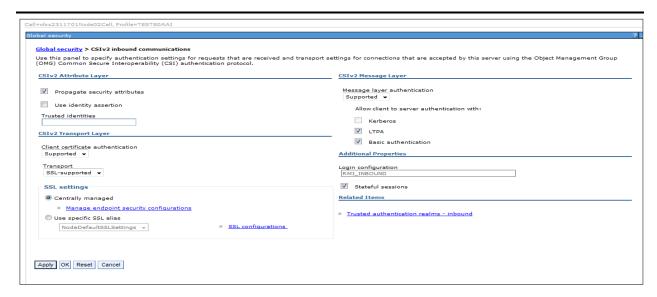


Figure 61: CSIv2 inbound communications

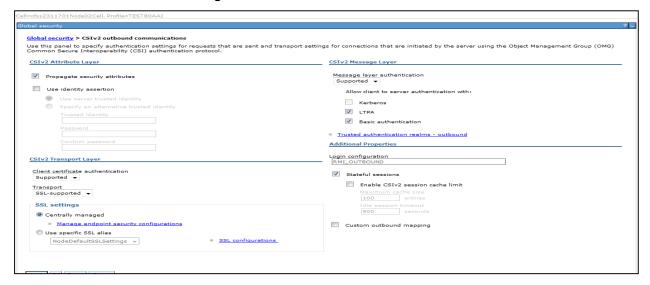


Figure 62:CSIv2 outbound communications

Click Apply and save details.

Note: RMI/IIOP Authentication Settings are not required for WebLogic.

3.2.9 Restart WebSphere Profile

For more information, refer to the Start/Stop Infrastructure Services section in the Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide available on the OHC page.



4 Appendix A

4.1 Check ports in WebSphere

To check the ports in WebSphere, follow these steps:

- Open the following URL in the browser window:
 http://<ipaddress>:<administrative console port>/ibm/console.
 (https if SSL is enabled). The Login window is displayed.
- 2. Login with the Administrator Username and Password.
- 3. Click + to expand Servers.
- 4. Click + to Server Types.
- 5. Click WebSphere application servers.

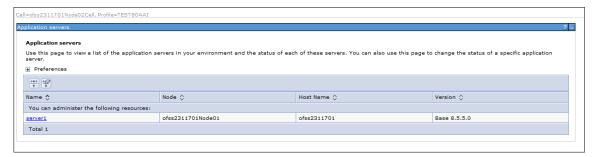


Figure 63: Application Servers

6. Click server1.

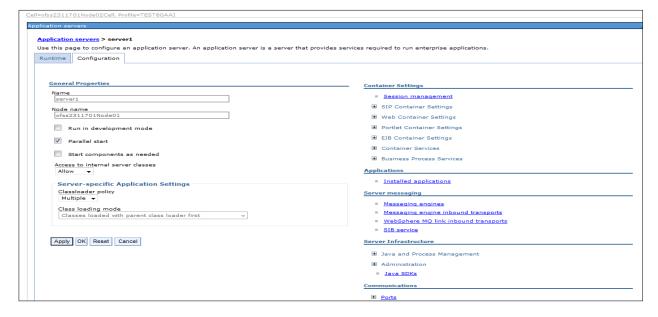
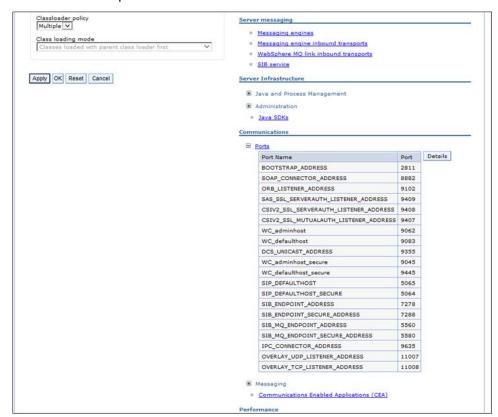


Figure 64: Application Servers





7. Click + to expand Ports under Communications.

Figure 65: Ports List

5 Appendix B

5.1 Checking Target Inbound transport chain and Provider endpoints values

To check the values, follow these steps:

- Open the following URL in the browser window:
 http://<ipaddress>:<administrative console port>/ibm/console.
 (https if SSL is enabled). The Login window is displayed.
- 2. Login with the Administrator **Username** and **Password**.
- 3. Click + to expand Servers in the LHS menu.
- 4. Click + Server Types.
- 5. Click WebSphere application servers. The Application servers screen is displayed.

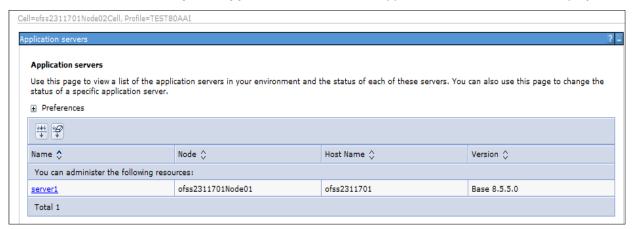


Figure 66: Application servers

- Click server1.
- 7. Navigate to Configuration tab.

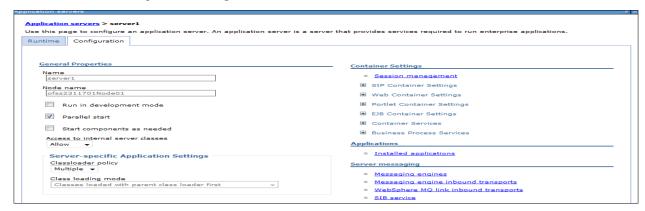


Figure 67: Configuration



8. Under **Server messaging**, select **Messaging engine inbound transports**. The *Transport Chain* screen is displayed.

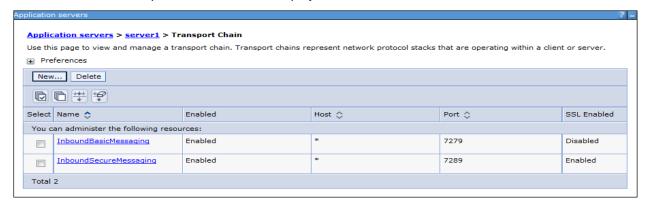


Figure 68: Transport Chain

- Note the Transport chain name InboundBasicMessaging for Target Inbound Transport Chain.
- 10. Use the following **Provider endpoints** format: <WebSphere_HostName> : <SIB_ENDPOINT_ADDRESS port>: <Transport Chain Name>
 - <WebSphere_HostName>: The hostname of the server where WebSphere is installed.
 - <SIB_ENDPOINT_ADDRESS port>: The transport chain port corresponding for Transport chain name as InboundBasicMessaging.
 - <Transport Chain Name>: The Transport chain name as InboundBasicMessaging.

For example: ofss222868.in.oracle.com:7279:InboundBasicMessaging

NOTE: The transport chain name and Provider endpoints should be entered during configuration of JMS Connection Factory. Refer to section Configuring JMS Connection Factory for more details.





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8.0.0.0.0 Configuration Guide

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