

Oracle® Banking APIs

Kafka Configuration Guide



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Purpose

This guide is designed to help acquaint you with the Oracle Banking APIs application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

Audience

This document is intended for the following audience:

- Customers
- Partners

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Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also

mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Related Resources

For more information on any related features, refer to the following documents:

- Oracle Banking APIs Installation Manuals

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table 1 Acronyms and Abbreviations

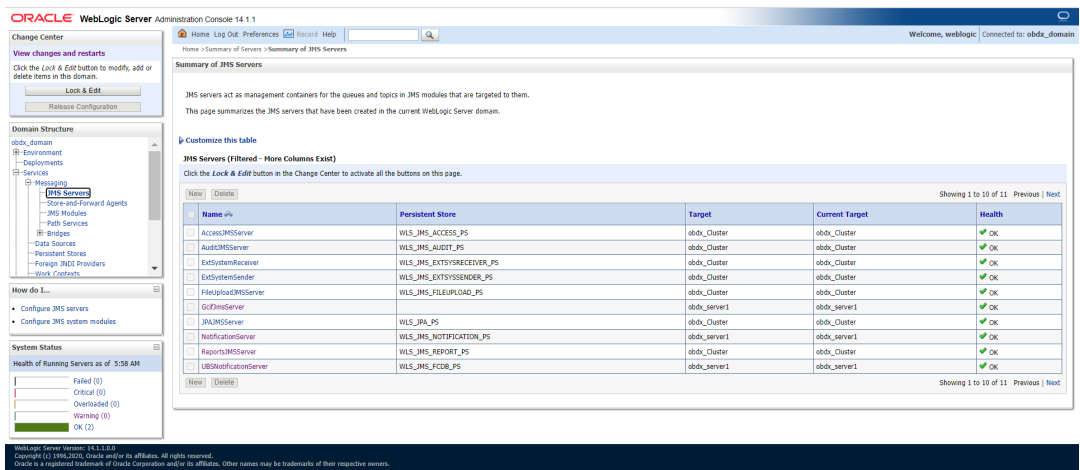
Abbreviation	Description
OBAPI	Oracle Banking APIs

1 Context

This document contains step to configure kafka notifications for VAM/LM event in the system.
Below JMS changes will be required –

1. Create NotificationServer under JMS Servers.

Figure 1-1 NotificationServer under JMS Servers



2. Create NotificationServer Module under JMS Modules.

Create below destinations

Table 1-1 Destinations

Name	Type	Description
NOTIFICATION_TOPIC	Topic	Local Notification Topic where message will be routed.
NotificationTCF	Topic Connection Factory	

Figure 1-2 NotificationServer Module under JMS Modules

ORACLE WebLogic Server Administration Console 14.1.1

Home > Summary of Servers > Summary of JMS Servers > Summary of JMS Modules

Welcome, weblogic | Connected to: obdx_domain

Summary of JMS Modules

JMS system resources are configured and stored as modules similar to standard Java EE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources.

This page summarizes the JMS system modules that have been created for this domain.

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

JMS Modules

Name	Type
AccessJMSModule	JMSSystemResource
AuditJMSServer	JMSSystemResource
ExtSystemReceiverQCF	JMSSystemResource
ExtSystemSender	JMSSystemResource
FileBasedJMS	JMSSystemResource
GCQueue	JMSSystemResource
HostSystemModule	JMSSystemResource
JPA_JMS	JMSSystemResource
NotificationServer	JMSSystemResource
ReportsJMSModule	JMSSystemResource

ORACLE WebLogic Server Administration Console 14.1.1

Home > Summary of Servers > Summary of JMS Servers > Summary of JMS Modules > NotificationServer

Welcome, weblogic | Connected to: obdx_domain

Settings for NotificationServer

Configuration Subdeployments Targets Security Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

Name: NotificationServer The name of this JMS system module. More Info...

Descriptor File Name: jms/notificationserver-jms.xml The name of the JMS module descriptor file. More Info...

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

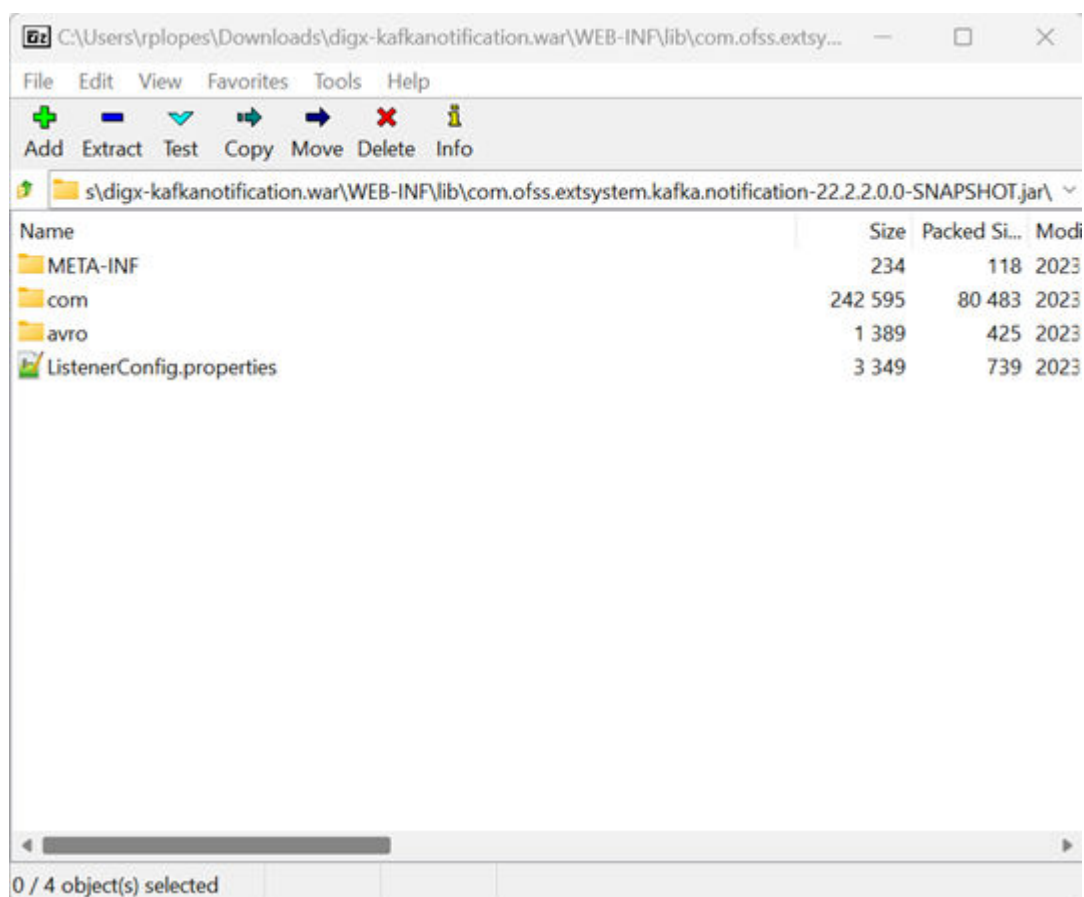
Summary of Resources

Name	Type	JNDI Name	Subdeployment	Targets
NotificationQCF	Connection Factory	NotificationQCF	Default Targeting	obdx_server1
NotificationTCF	Connection Factory	NotificationTCF	Default Targeting	obdx_server1
NOTIFICATION_QUEUE	Uniform Distributed Queue	NOTIFICATION_QUEUE	NotificationSD	NotificationServer
NOTIFICATION_TOPIC	Uniform Distributed Topic	NOTIFICATION_TOPIC	NotificationSD	NotificationServer
URSNOTIFICATION_TFCF	Connection Factory	URSNOTIFICATION_TFCF	Default Targeting	obdx_server1
URSNOTIFICATION_TOPIC	Uniform Distributed Topic	URSNOTIFICATION_TOPIC	NotificationSD	NotificationServer

3. Kafka properties changes.

Below changes are required to point to correct Kafka config. Open war in 7zip tool and go to digx-kafkanotification.war\WEB-INF\lib\com.offss.extsystem.kafka.notification-22.X.X.0.0-SNAPSHOT.jar\ folder. We have to make changes in ListenerConfig.properties as shown below.

There are separate properties for LM and VAM. In case of multiple entity setup the target.unit property can be changes to new entity and same war can be deployed entity times.



```

ListenerConfig.properties
1 kafka.vam.bootstrap.servers=100.76.149.218:9093
2 #kafka.vam.configuration.ssl.truststore.location=C:/Users/rplopes/Documents/work/documents/sprint/accountaccess
/kafka/KafkaClientTrustStore.jks
3 kafka.vam.configuration.ssl.truststore.location=/scratch/app/domain/obdx_domain/KafkaClientTrustStore.jks
4 kafka.vam.configuration.ssl.truststore.password=orcl@123
5 kafka.vam.consumer.group-id=obdx-vam-auto-map-group
6 kafka.vam.consumer.topic.name=vam.virtualaccountnotification
7 kafka.vam.configuration.security.protocol=SASL_SSL
8 kafka.vam.configuration.sasl.mechanism=SCRAM-SHA-256
9 kafka.vam.properties.sasl.jaas.config.username=obvam
10 kafka.vam.properties.sasl.jaas.config.password=obvam-secret
11 kafka.vam.properties.auto.offset.reset=latest
12 kafka.vam.properties.auto.commit.interval.ms=1000
13 kafka.vam.properties.session.timeout.ms=30000
14 kafka.vam.properties.enable.auto.commit=false
15 kafka.vam.client-id=obdx
16 kafka.vam.properties.poll.time.ms=100
17 kafka.enable.vam.config=true
18
19 kafka.lm.bootstrap.servers=100.76.149.218:9093
20 #kafka.lm.configuration.ssl.truststore.location=C:/Users/rplopes/Documents/work/documents/sprint/accountaccess/
kafka/OBLMclientTrust_142.jks
21 kafka.lm.configuration.ssl.truststore.location=/scratch/app/domain/obdx_domain/OBLMclientTrust_142.jks
22 kafka.lm.configuration.ssl.truststore.password=orcl@123
23 kafka.lm.consumer.group-id=obdx-lm-auto-map-group
24 kafka.lm.consumer.topic.name=lm.accountnotification
25 kafka.lm.configuration.security.protocol=SASL_SSL
26 kafka.lm.configuration.sasl.mechanism=SCRAM-SHA-256
27 kafka.lm.properties.sasl.jaas.config.username=alice
28 kafka.lm.properties.sasl.jaas.config.password=alice-secret
29 kafka.lm.properties.auto.offset.reset=latest
30 kafka.lm.properties.auto.commit.interval.ms=1000
31 kafka.lm.properties.session.timeout.ms=30000
32 kafka.lm.properties.enable.auto.commit=false
33 kafka.lm.properties.poll.time.ms=100
34 kafka.enable.lm.config=false
35
36 kafka.ver.bootstrap.servers=100.76.149.218:9093
37 #kafka.ver.configuration.ssl.truststore.location=C:/Users/rplopes/Documents/work/documents/sprint/accountaccess
/kafka/KafkaClientTrustStore.jks
38 #kafka.ver.configuration.ssl.truststore.location=/scratch/obdx/domains/KafkaClientTrustStore.jks
39 kafka.ver.configuration.ssl.truststore.location=/scratch/app/obdx/domains/obdx_domain/KafkaClientTrustStore.jks
40 kafka.ver.configuration.ssl.truststore.password=orcl@123
41 kafka.ver.consumer.group-id=obdx-ver-auto-map-group
length: 3,349 lines: 61 Ln: 43 Col: 33 Pos: 2,526 Windows (CR LF) UTF-8 INS

```

4. Connector changes.

This is optional step. If we don't want to keep passwords in above properties file, same can be added to obdx connector resource adapter.

Create below connectors

- a. ra/DIGXConnectorOBLM_KAFKA_JAAS
- b. ra/DIGXConnectorOBLM_KAFKA_SSL
- c. ra/DIGXConnectorOBVAM_KAFKA_JAAS
- d. ra/DIGXConnectorOBVAM_KAFKA_SSL

<input type="checkbox"/>	ra/DIGXConnectorOBLM_KAFKA_JAAS	javax.resource.cci.ConnectionFactory
<input type="checkbox"/>	ra/DIGXConnectorOBLM_KAFKA_SSL	javax.resource.cci.ConnectionFactory
<input type="checkbox"/>	ra/DIGXConnectorOBSCF	javax.resource.cci.ConnectionFactory
<input type="checkbox"/>	ra/DIGXConnectorOBTFPM_14.3	javax.resource.cci.ConnectionFactory
<input type="checkbox"/>	ra/DIGXConnectorOBVAM	javax.resource.cci.ConnectionFactory
<input type="checkbox"/>	ra/DIGXConnectorOBVAM_KAFKA_JAAS	javax.resource.cci.ConnectionFactory
<input type="checkbox"/>	ra/DIGXConnectorOBVAM_KAFKA_SSL	javax.resource.cci.ConnectionFactory
<input type="checkbox"/>	ra/DIGXConnectorREWARDS	javax.resource.cci.ConnectionFactory

- i. EIS User Name - OBVAM_KAFKA_SSL, EIS User Password - <<password here>>
- ii. EIS User Name - OBVAM_KAFKA_JAAS, EIS User Password - <<password here>>
- iii. EIS User Name - OBLM_KAFKA_JAAS, EIS User Password - <<password here>>
- iv. EIS User Name - OBLM_KAFKA_SSL, EIS User Password - <<password here>>

<input type="checkbox"/>	Default	OBVAM_KAFKA_SSL	ra/DIGXConnectorOBVAM_KAFKA_SSL
<input type="checkbox"/>	Default	OBVAM_KAFKA_JAAS	ra/DIGXConnectorOBVAM_KAFKA_JAAS
<input type="checkbox"/>	Default	OBLM_KAFKA_JAAS	ra/DIGXConnectorOBLM_KAFKA_JAAS
<input type="checkbox"/>	Default	OBLM_KAFKA_SSL	ra/DIGXConnectorOBLM_KAFKA_SSL

2

List of Topics

This user manual is organized as follows:

Table 2-1 List of Topics

Topics	Description
Preface	This topic provides information on the introduction, intended audience, list of topics, and acronyms covered in this guide.
Context	This topic provides steps to configure kafka notifications for VAM/LM event in the system.

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C

Context, [1-1](#)