

Oracle® Banking APIs

Kafka Configuration Guide



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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1 Context

2 List of Topics

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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

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches](#), [Security Alerts](#) and

Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

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

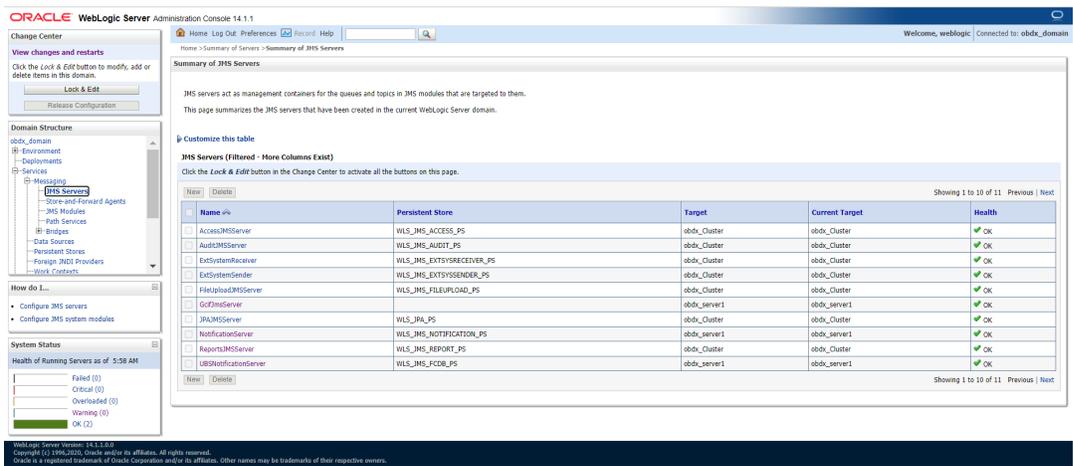
1 Context

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 14.1.1.0

Home Log Out Preferences Record Help

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.

Customize this table

JMS Modules

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

Name	Type
AccessJMSModule	JMSSystemResource
AuditJMSServer	JMSSystemResource
ExSystemReceiverQCF	JMSSystemResource
ExSystemReceiver	JMSSystemResource
FileBasedJMS	JMSSystemResource
GCJMS	JMSSystemResource
HostSystemModule	JMSSystemResource
JPA_JMS	JMSSystemResource
NotificationServer	JMSSystemResource
ReportsJMSModule	JMSSystemResource

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ORACLE WebLogic Server Administration Console 14.1.1.0

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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.

Customize this table

Summary of Resources

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

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
URONOTIFICATIONCF	Connection Factory	URONOTIFICATIONCF	Default Targeting	obdx_server1
UBS_NOTIFICATION_TOPIC	Uniform Distributed Topic	UBS_NOTIFICATION_TOPIC	NotificationSD	NotificationServer

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3. Kafka properties changes.

Kafka properties are moved to DIGX_FW_CONFIG_ALL_B table. Bank needs to update kafka details in this table. If SSL is not used these properties can be deleted from table. Once application server is started look for any errors related to Kafka to make sure it is connected successfully. For more granular logs, log level of `com.ofss.digx.infra.events.kafka.consumer.AvroConsumer` class can be changed to `DEBUG`.

```
select * from digx_fw_config_all_b where category_id = 'KAFKA_CONFIG';
```

```
select * from ORACLE_DATABASE.digx_fw_config_all_b where category_id = 'KAFKA_CONFIG';
```

PROP_ID	CATEGORY_ID	PROP_VALUE
66	KAFKA_CONFIG	zookeeper.connect=zk1:2181,zk2:2181,zk3:2181
67	KAFKA_CONFIG	zookeeper.session.timeout.ms=60000
68	KAFKA_CONFIG	zookeeper.sync.timeout.ms=30000
69	KAFKA_CONFIG	zookeeper.retry.backoff.ms=1000
70	KAFKA_CONFIG	zookeeper.retry.backoff.multiplier=2
71	KAFKA_CONFIG	zookeeper.retry.backoff.max.ms=30000
72	KAFKA_CONFIG	zookeeper.retry.backoff.max.retry.ms=30000
73	KAFKA_CONFIG	zookeeper.retry.backoff.max.retry.ms=30000
74	KAFKA_CONFIG	zookeeper.retry.backoff.max.retry.ms=30000
75	KAFKA_CONFIG	zookeeper.retry.backoff.max.retry.ms=30000
76	KAFKA_CONFIG	zookeeper.retry.backoff.max.retry.ms=30000
77	KAFKA_CONFIG	zookeeper.retry.backoff.max.retry.ms=30000

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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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