Kafka Configuration Guide
Oracle Banking Digital Experience
Patchset Release 22.1.2.0.0

Part No. F56934-01

November 2022

ORACLE

Kafka Configuration Guide

November 2022

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 © 2006, 2022, 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.

Table of Contents

1. Preface 1–1

1.1 Intended Audience 1–1

1.2 Documentation Accessibility 1–1

1.3 Access to Oracle Support 1–1

1.4 Structure 1–1

1.5 Related Information Sources 1–1

2. Context 2–1

1. Preface

1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

1.2 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.

1.3 Access to Oracle Support

Oracle customers 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.

1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

The subsequent chapters describes following details:

- Introduction
- Preferences & Database
- Configuration / Installation.

1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Patchset Release 22.1.2.0.0, refer to the following documents:

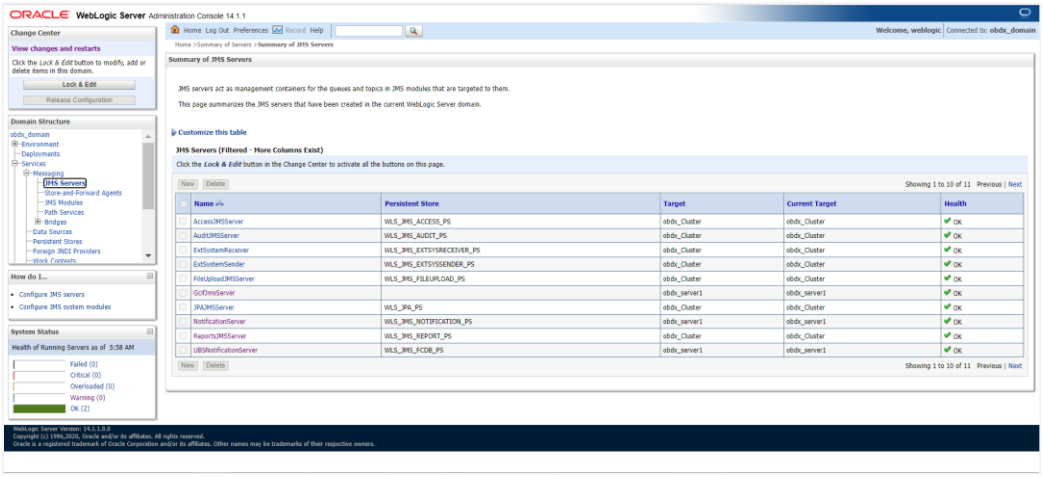
- Oracle Banking Digital Experience Installation Manuals

2. Context

This document contains step to configure kafka notifications for VAM/LM event in the system.

Below JMS changes will be required –

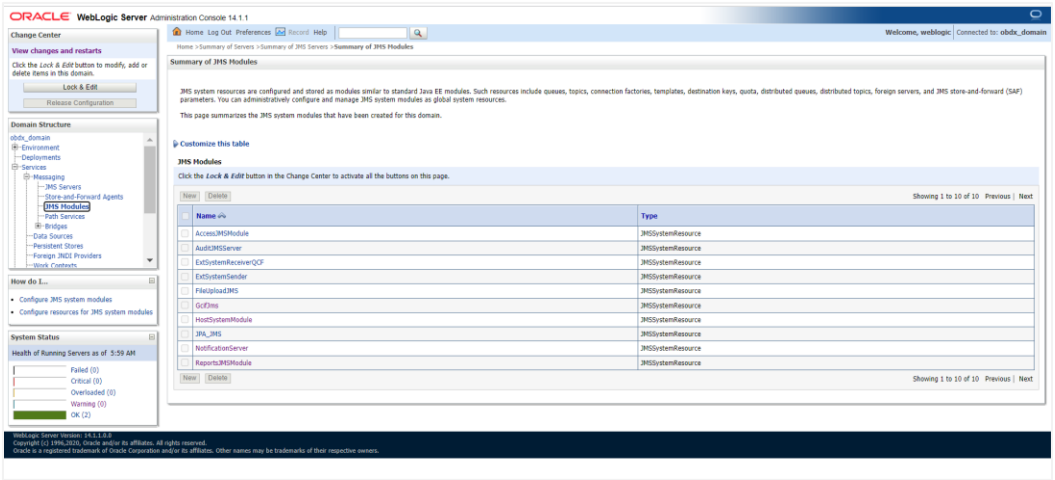
1. Create NotificationServer under JMS Servers.

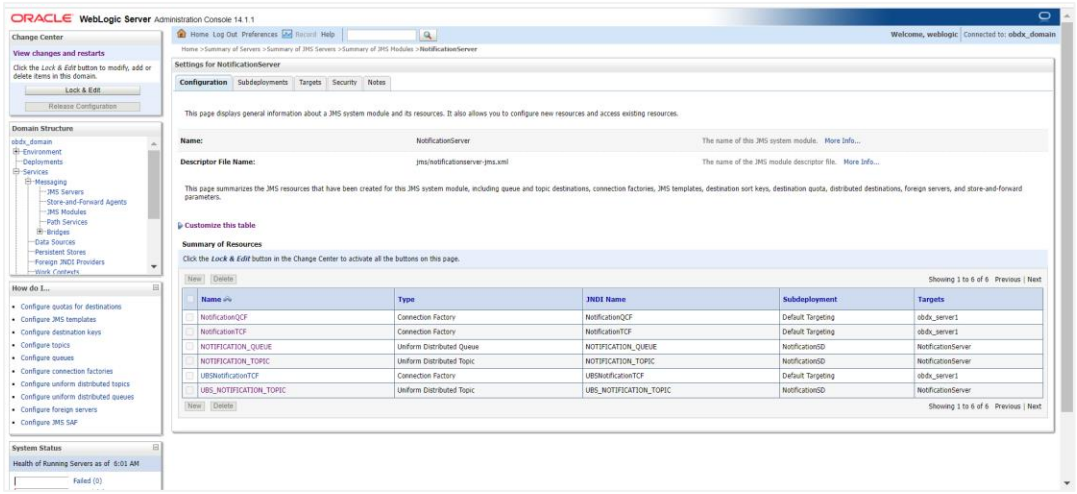


2. Create NotificationServer Module under JMS Modules.

Create below destinations

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

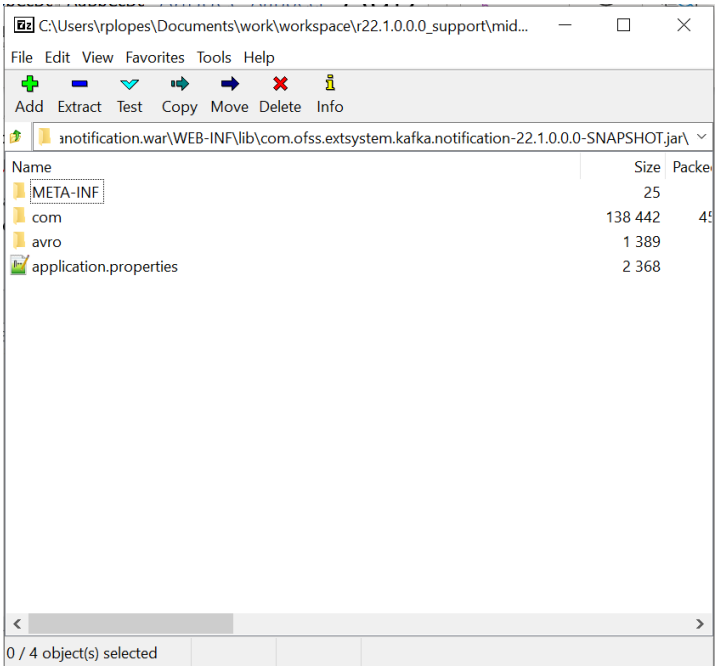




3. Kafka properties changes

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.ofss.extsystem.kafka.notification-22.1.0.0.0-SNAPSHOT.jar\ folder. We have to make changes in application.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.



oraclework | oraclework2.txt | gradle.properties | nginx.conf | new 3 | new 2 | application.properties | new 1

```
# LM Kafka properties
spring.kafka.lm.bootstrap-servers=100.76.136.57:9093
spring.kafka.lm.configuration.ssl.truststore.location=C:/Users/rplopes/Documents/work/documents/sprint/accountaccess/kafka/OBLMclientTrust_142.jks
#spring.kafka.lm.configuration.ssl.truststore.location=/scratch/obdx/domains/OBLMclientTrust_142.jks
spring.kafka.lm.configuration.ssl.truststore.password=oracle123
spring.kafka.lm.consumer.group-id=vamlm-charge-services-grp
spring.kafka.lm.consumer.topic.name=lm.accountnotification
spring.kafka.lm.configuration.security.protocol=SASL_SSL
spring.kafka.lm.configuration.sasl.mechanism=SCRAM-SHA-256
spring.kafka.lm.properties.sasl.jaas.config.username=alice
spring.kafka.lm.properties.sasl.jaas.config.password=alice-secret
spring.kafka.lm.properties.auto.offset.reset=earliest
spring.kafka.lm.properties.auto.commit.interval.ms=1000
spring.kafka.lm.properties.session.timeout.ms=30000
spring.kafka.lm.properties.enable.auto.commit=false

# VAM Kafka properties
spring.kafka.vam.bootstrap-servers=100.76.142.18:9093
spring.kafka.vam.configuration.ssl.truststore.location=C:/Users/rplopes/Documents/work/documents/sprint/accountaccess/kafka/KafkaClientTrustStore.jks
#spring.kafka.vam.configuration.ssl.truststore.location=/scratch/obdx/domains/KafkaClientTrustStore.jks
spring.kafka.vam.configuration.ssl.truststore.password=orcl@123
spring.kafka.vam.consumer.group-id=obvam-projection-services-grp
spring.kafka.vam.consumer.topic.name=vam.virtualaccountnotification
spring.kafka.vam.configuration.security.protocol=SASL_SSL
spring.kafka.vam.configuration.sasl.mechanism=SCRAM-SHA-512
spring.kafka.vam.properties.sasl.jaas.config.username=obvam
spring.kafka.vam.properties.sasl.jaas.config.password=obvam-secret
spring.kafka.vam.properties.auto.offset.reset=earliest
spring.kafka.vam.properties.auto.commit.interval.ms=1000
spring.kafka.vam.properties.session.timeout.ms=30000
spring.kafka.vam.properties.enable.auto.commit=false

# Queue properties
spring.weblogic.context.factory=weblogic.jndi.WLInitialContextFactory
spring.weblogic.notification.topic.factory=NotificationTCF
spring.weblogic.notification.topic=NOTIFICATION_TOPIC

target.unit=OBDX_BU
```

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

1. ra/DIGXConnectorOBLM_KAFKA_JAAS
2. ra/DIGXConnectorOBLM_KAFKA_SSL
3. ra/DIGXConnectorOBVAM_KAFKA_JAAS
4. ra/DIGXConnectorOBVAM_KAFKA_SSL

ra/DIGXConnectorOBLM_KAFKA_JAAS	javax.resource.cci.ConnectionFactory
ra/DIGXConnectorOBLM_KAFKA_SSL	javax.resource.cci.ConnectionFactory
ra/DIGXConnectorOBSCF	javax.resource.cci.ConnectionFactory
ra/DIGXConnectorOBTFPM_14.3	javax.resource.cci.ConnectionFactory
ra/DIGXConnectorOBVAM	javax.resource.cci.ConnectionFactory
ra/DIGXConnectorOBVAM_KAFKA_JAAS	javax.resource.cci.ConnectionFactory
ra/DIGXConnectorOBVAM_KAFKA_SSL	javax.resource.cci.ConnectionFactory
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>>

Default	OBVAM_KAFKA_SSL	ra/DIGXConnectorOBVAM_KAFKA_SSL
Default	OBVAM_KAFKA_JAAS	ra/DIGXConnectorOBVAM_KAFKA_JAAS
Default	OBLM_KAFKA_JAAS	ra/DIGXConnectorOBLM_KAFKA_JAAS
Default	OBLM_KAFKA_SSL	ra/DIGXConnectorOBLM_KAFKA_SSL

Home