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Oracle Retail Store Inventory Operations Cloud Services

Next Gen Cloud Update Guide

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Due to the nature of the product architecture, it may not be possible to safely include all features described in this document without risking significant destabilization of the code.

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Introduction

Document Summary

This document provides general enablement for Oracle Retail customers moving to Oracle's Next Generation SaaS architecture from existing GBUCS deployment.

These checklists and resources capture major customer activities and milestones. Retailers should use these checklists early in the update planning phase. These checklists allow retailers to ask key questions when working with technical staff and partners. In addition, the checklists provide considerations for implementation planning.

Overview of Next Generation SaaS Architecture

This is a cloud-native, container-based architecture that is more secure, highly scalable, and allows for better up-time and availability. This is accomplished by leveraging Kubernetes cluster management backend that is connected to an Oracle database service. This new architecture yields the following benefits:

- Significantly reduced downtime.
- Significant improvements in middle-tier and application-tier scalability.
- Adoption of additional industry-standard tools.
- Improved, simplified intra-Oracle Retail integration.
- Centralized Oracle Retail Business Intelligence instance for easier reporting administration.
- Retirement of SFTP in favor of a service-based approach.

Assumptions

Note the following assumptions regarding the update:

- Customers and implementers have read the SIOCS 23.2.401.0 Release Readiness Guide to gather functional and technical differences over the GBUCS/SIOCS 19.x versions.
- The production environment will be shut down for update generally overnight.
- Non-production update occurs first to enable the customer to perform their development activities and validate before the Production update.
- All the RIB queues and Error Hospital tables along with SIOCS's Message Processing Staging (MPS) table must be empty. All integration messages need to complete processing. No new messages should be published from any system during the cutover time, including messages from third-party systems.
- All batch files should have been processed, and there are no leftover files remaining in the SFTP folder.
- Update activity will be performed after the nightly batch cycle is complete. No jobs should be pending.
- No changes to the IDCS or OCI IAM if all the Oracle Retail Cloud services are using the same IDCS or OCI IAM instance currently. If you are using different IDCS or OCI IAM instances for different Oracle Retail Cloud Services, all of them will be merged into a single Instance. There is a customer action to reset the passwords.

Customer Actions for Store Inventory Operations Cloud Services

Due to the technical changes in Oracle's Next Generation SaaS architecture, the actions below are performed by the customer.

Updated Application UI and Service End Point URLs

☐	**STEP 1**	Configure all application user interface URLs (EICS) / Desktop Admin URL.
☐	**STEP** 2	Configure all web-service calls to use the new URLs.

File Transfer Services

☐	**STEP 1**	Use the new FTS services to upload/download the files to/from Object Storage. This is a replacement for the SFTP process. **Note:** FTS must use OAuth2.0 authentication.	Resources: • Refer to the "File Transfer Services" chapter of the *Oracle Retail Enterprise Inventory Cloud Service Administration Guide*: https://docs.oracle.com/en/industries/retail/store-inventory-op-cloud/23.2.401.0/reiag/file-transfer-services.htm

Customer Responsibilties

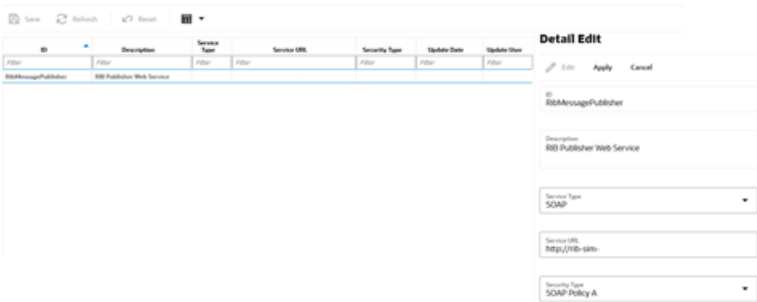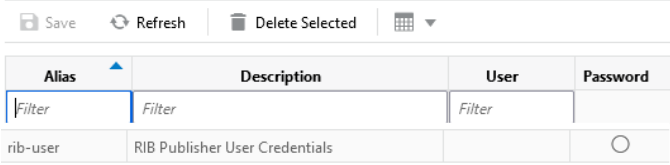|		
☐	**STEP 1**	Customers should add their outbound proxy, firewalls in all the domains, and IPs to RGBU Data Center to their allowlists. Domain names to be allowlisted will be as part of the initial environment provision email notification.
☐	**STEP 2**	Development work to uptake new URL changes.
☐	**STEP 3**	Development work to uptake new file management processes.
☐	**STEP 4**	Perform regression testing.

📝 Customer Responsibilties

This table contains the steps for SIOCS standalone deployment integrating with Merchandising/RIB on-premises.

☐	**STEP 1**	Reconfigure RIB-SIM configuration on the RIB server.
		• Configure the RIB Message Injector Web Service URL for the SIOCS environment. [https://<eics_external_load_balancer_address>/<CUST_ENV>/ApplicationMessageInjector-Bean/InjectorService?WSDL] **Note:** The *EXTERNAL_LOAD_BALANCER>/<CUSTENV>* part of the URL should be replaced with the one specific to your implementation, which will be the same as your application URL provided in the welcome email. • Configure security policy-A. • Create an integration-user in IDCS/OCI IAM with the integration_users application role assigned. The user credentials need to be updated in the RIB-SIM configuration.
☐	**STEP 2**	Raise a Service Request with Oracle Support to allow list the RIB on-premises server host end point.
☐	**STEP 3**	Configure the RIB publisher URL by using the External Service Administration screen on the SIOCS web client. Navigate to Admin -> Technical Maintenance-> External Service Administration. Search for RibMessagePublisher ID. Edit the following: • Select the Service Type as SOAP. • Update the service URL value with the RIB Publisher Url. • Select Security Type as SOAP Policy A.
☐	**STEP 4**	Configure the SIOCS - RIB publisher user credentials by using the Credential Administration screen on the SIOCS web client. Navigate to Admin -> Technical Maintenance-> Credential Administration. • Update rib-user Alias with the User and Password.
☐	**STEP 5**	Test the inbound and outbound message flow.

References

Refer to the Release 23.2.401.0 documentation at the following URL:
https://docs.oracle.com/en/industries/retail/index.html

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