# Oracle® Retail Store Inventory Operations Cloud Services

## Release Readiness Guide

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ORACLE

Oracle Retail Store Inventory Operations Cloud Services Release Readiness Guide, Release 23.1.101.0

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# Preface

This guide outlines the information you need to know about Oracle Retail Store Inventory Operations Cloud Services new or improved functionality in this update, and describes any tasks you might need to perform for the update. Each section includes a brief description of the feature, the steps you need to take to enable or begin using the feature, any tips or considerations that you should keep in mind, and the resources available to help you.

### Audience

This document is intended for the users and administrators of the Oracle Retail Store Inventory Operations Cloud Services.

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- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

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(Data Model documents can be obtained through My Oracle Support.)

### Comments and Suggestions

Please give us feedback about Oracle Retail Help and Guides. You can send an e-mail to: retail-doc_us@oracle.com

### Oracle Retail Cloud Services and Business Agility

Oracle Retail Store Inventory Operations Cloud Services is hosted in the Oracle Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.

1

# Feature Summary

This chapter describes the feature enhancements in this release.

## Noteworthy Enhancements

This guide outlines the information you need to know about new or improved functionality in the Oracle Retail Store Inventory Operations Cloud Services update and describes any tasks you might need to perform for the update. Each section includes a brief description of the feature, the steps you need to take to enable or begin using the feature, any tips or considerations that you should keep in mind, and the resources available to help you.

**Column Definitions**

- **Feature:** Provides a description of the feature being delivered.
- **Module Impacted:** Identifies the module impacted associated with the feature, if any.
- **Scale:** Identifies the size of the feature. Options are:
  - **Small:** These UI or process-based features are typically comprised of minor field, validation, or program changes. Therefore, the potential impact to users is minimal.
  - **Large:** These UI or process-based features have more complex designs. Therefore, the potential impact to users is higher.
- **Delivered:** Identifies whether the feature is Enabled or Disabled upon initial delivery.
- **Customer Action Required:** You must take action before these features can be used. These features are delivered disabled and you choose if and when to enable them.

**Table 1-1 Noteworthy Enhancements**

| Feature | Module Impacted | Scale | Delivered | Customer Action Required? |
|---|---|---|---|---|
| **New and Updated Options** | | | | |
| Item Lookup - Future Price | SOCS | Small | No | Permission required. |
| Container Search | SOCS | Small | Yes | N/A |
| Store Order Forecast | SOCS | Small | No | Enabling service required. |
| Integration Dashboard | EICS | Small | No | Permission required. |
| Warehouse Inventory Import | EICS | Small | No | Job scheduling required. |
| Bulk Initial Dataseeding | EICS | Small | No | Job scheduling required. |

**Table 1-1 (Cont.) Noteworthy Enhancements**

| Feature | Module Impacted | Scale | Delivered | Customer Action Required? |
|---|---|---|---|---|
| REST Services | EICS | Small | No | New API call from third-party application required. |

# New Feature Descriptions

This section describes the new features.

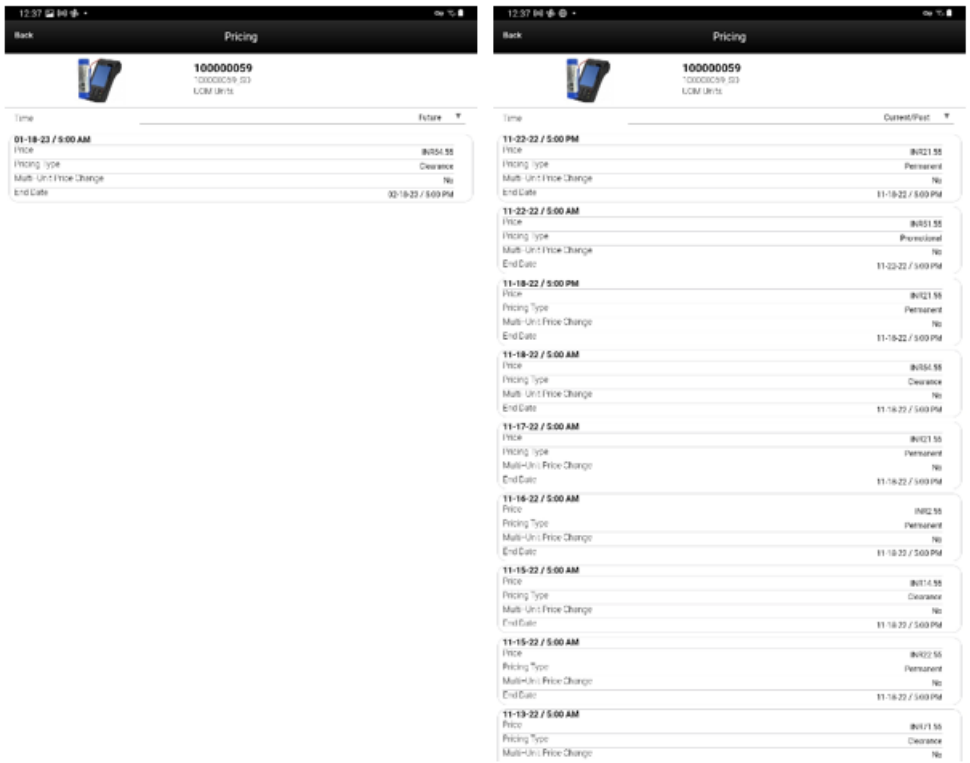
## Item Lookup

On the MAF client, the display of future price will now be allowed. In prior releases, this was only enabled on the desktop client.

## Future Price

Permission: Access Future Price Events permission

**Pricing Screen**




Pricing is accessed by selecting the Pricing option on the Item Detail screen. The Pricing screen displays the Pricing Details for the item and the user's store. The user

will be able to select the time drop down option to state if they want to show the prices that are current / past or those that are future events. Future events can only be seen by users that have the Access Future Price Events permission.

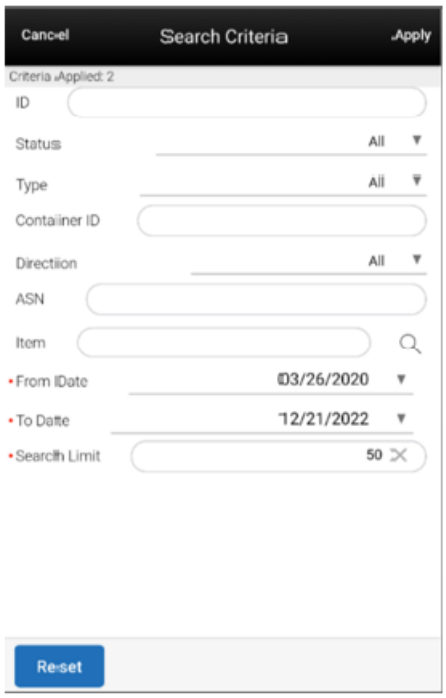
Current / Past price changes will show all price histories for the item at the user's store. If all price events are regular price changes, then only regular price events will be displayed. If there is at least one on clearance, the system will display the clearance and the regular price changes, however many exist. If there are no historical prices, there will only be one current price displayed.

Each price event is represented as a set. The sets of price events are ordered by Effective Date/Time with the most recent on the top (descending). The Pricing screen will display the end date of the price event, be it a promotion, clearance, or regular price change.

## Container Search

The Container Search screen both on the mobile and desktop client has been improved by allowing a user to limit the number of records coming back by a date range. This makes the screen much more useful when looking up containers in large volume environments.

**Search Criteria Screen**




The Search Criteria screen is accessed using the eye glasses search criteria on Container Lookup. You can enter in various criteria that would help you to search for a container, such as Container ID, Item ID, ASN, Source Type, and From Date/To Date (Update date of the container is used here). The system returns the results on the Container Lookup screen. The search restricts the containers to those for your store.

## Store Order Forecast

The assisted store order functionality has the ability to display past sales data as well as forecast information.

The historical sales data information comes from the database in SIOCS through POS integration, and the forecast information is integrated from a third-party system. In a prior release of SIOCS, a SOAP web service was added for custom integration with third-party forecast engines. As of this release, SIOCS has a REST service available that allows integration with the Statistical Forecasting Engine on the AI Platform.

This engine can provide forecast information up to 30 days.

## Integration Dashboard

The Integration Dashboard screen displays information about the integration messages publication and subscription failures and the current processing statistics. This screen can be accessed from the Technical Maintenance menu. Administration users can use this dashboard to quickly verify the message failures based on the message families and export any data if applicable for fixing.

On the header portion, the system displays the pie chart with the failure numbers based on the message family and the total processing, failed and aged values. Aged here indicates the total integration messages that are aged greater than or equal to 24 hours and still not processed.

Users need the proper permission to access this dashboard. A user with access permission is allowed to do all the operations on this screen.

The system supports the following message groups:.

1. DCS = Data Collection System

   DCS Inbound counts the number of DCS family MPS messages in the MPS staged message table waiting to be processed or failed.

   DCS Outbound does not exist.

2. RIB = Retail Integration Bus

   RIB inbound counts the number of inbound RIB family MPs messages in the MPS staged message table waiting to be processed or failed.

   RIB outbound counts the number of outbound RIB family MPs messages in the MPS staged message table waiting to be processed or failed.

3. Bulk = Mass Data Imports

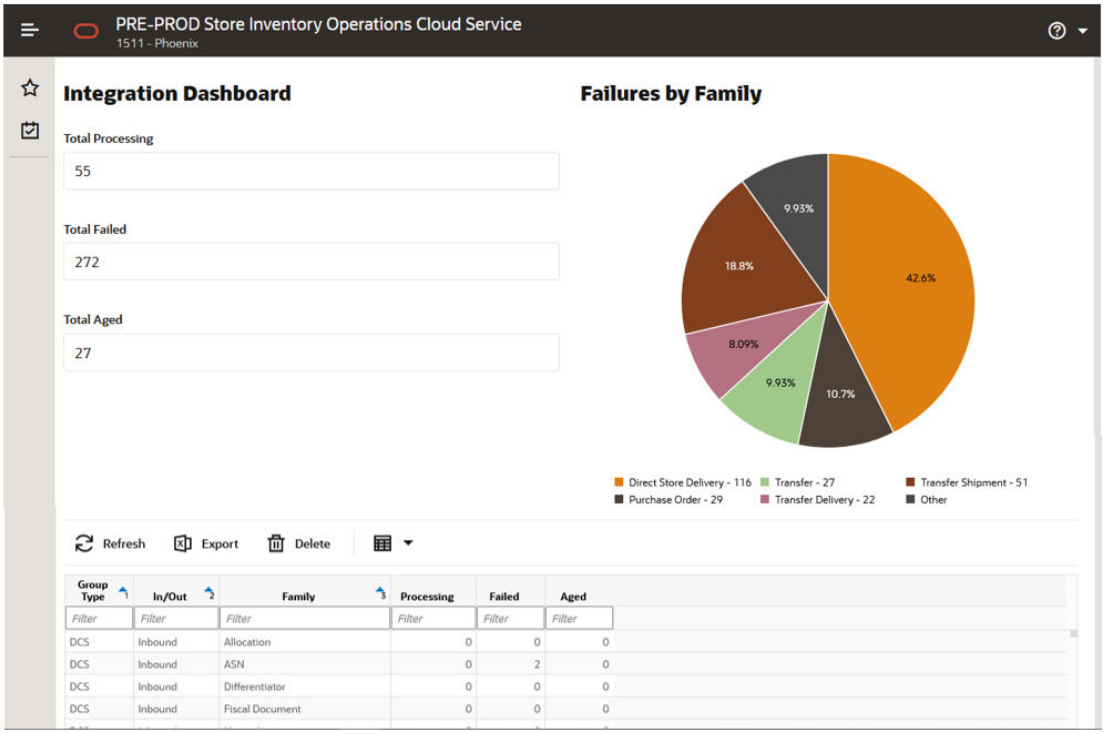
   Overlaps with other areas.

   Bulk imports count mass temporary storage tables or things that process asynchronously in large quantities.

   Includes bulk REST imports, bulk transaction file imports, and pos transaction.

   Bulk allows exporting of errors.

### Integration Dashboard Screen




**List Attributes:**

1. Group Type

   Values include DCS, RIB, and Bulk.

2. In/Out

   This is to indicate whether it is inbound or outbound.

3. Family

   This displays the message family.

4. Processing

   Total messages under processing for the group type + in/out and family.

5. Failed

   Total messages failed for the inbound or outbound for the message family.

6. Aged

   Total messages that are not processed >=24 hours for the shown message family.

**Detail Buttons:**

**Export** - Pressing this button after selecting a Bulk type group will export all failed messages for that bulk type group to one or more files that can be retrieved using the File Transfer System (FTS). Export is only allowed for bulk group types.

**Export Process**

When exported, all the records for a particular bulk type that are currently marked in failed status will be exported. Once the files are created, the standard process for file transfer can

be used. If you load several different initial import files before exporting, the errors from all previous file uploads will be exported at one time.

**Delete** -This button is used when the user wants to permanently delete all error integration messages that are marked as previously exported for a particular bulk group type. Delete is only allowed for bulk group types.

**Delete Process**

Once data is loaded from an external source into bulk processing intermediate tables, the data may end up failed due to business process or technical errors. Once previously failed data is exported to the file, the user can delete the records in the table.

All exported records for the selected family will be deleted, so if several files are loaded and several error files are exported, then the delete feature is used, it will delete all exported records. None of the exported records will not be deleted.

Duplicate records are not allowed in the intermediate temporary tables, so attempting to reload previous failed data which is now fixed will automatically fail unless the previous copy of the record is removed.

## Warehouse Inventory Import

The Warehouse Available Inventory file import will give the customers/implementers the ability to keep the inventory details between the Warehouse System and SIOCS in sync. This can be achieved by importing the inventory data of the items from the Warehouse system into SIOCS using the FTS framework.

Items of all statuses can be imported provided the Item and WH association exists which is to communicate from the merchandise system to SIOCS.

This batch process is meant to be used in conjunction with the regular flow of warehouse data on the RIB. The regular RIB flow will keep the warehouse inventory mostly accurate. Some processes are internal to the warehouse with no visibility to SIOCS, so discrepancies over time are expected. The batch process allows on a periodic basis, once a day or once a week, to reset those positions to the latest inventory positions.

## Bulk Initial Dataseeding

When implementing SIOCS, some retailers are interested in importing transaction data outside of foundation information such as store, item, and supplier. With this new release of SIOCS, several bulk dataseeding jobs have been added to support the import of transaction information as part of the initial data load through FTS.

These processes are built to allow for loading new, in progress, and closed transactions in the following areas:

- PO import
- DSD import
- Allocation import
- Transfer doc
- Transfer shipment

- Transfer Delivery (receipt)
- UIN import (not history)

**Note:** At this point, UINs on transactions are not supported. These FTS imports are not meant to be executed for on-going business data. They are specifically built for initial data load.

## REST Services

Several new services have been added to SIOCS to support integration from third-party systems through REST services. Some operations, such as updates and creates, of these services are meant for third-party deployments where the retailer would prefer to not use the RIB component of Oracle Retail Integration Cloud Service (RICS), but rather a direct REST service import. Those create/update operations should not be used when Oracle Retail Merchandising Foundation Cloud Service is deployed or, this data is integrated over RICS as part of the deployment.

REST services are added for the following areas:

Activity Lock, Address, Batch, Differentiator, Finisher, Inventory, Item, Item Inquiry, Item UDA, Manifest, Reason Codes, Store, Store Item, Supplier, Translation, Warehouse

The POS sales integration REST service was already added in a previous release and should be the preferred way of integrating since this service is much more capable to handle large volumes of data.

**Note:** These services are not meant for initial data load, dataseeding integration jobs exist for those.

## Technical Updates

As with all updates for SIOCS, there are several technical changes that have been made:

- Technical certification: Support for Oracle JET 13.1
- Mobile/SOCS performance enhancement for printing tickets by caching data when printing tickets on the mobile client
- Various performance enhancements in batch schedule generation and execution
- Optimized IDCS interactions during employee logins and web service integrations
- Performance improvement in initial data seeding

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# Client System Requirements and SOCS Mobile Version Requirements

This chapter covers the Client System requirements and SOCS mobile version requirements for Oracle Retail Store Inventory Operations Cloud Services.

## Client System Requirements

> **Note:**
>
> Oracle Retail assumes that the retailer has ensured its Operating System has been patched with all applicable Windows updates.

The following web browsers are supported:

- Mozilla Firefox
- Microsoft Edge
- Google Chrome (Desktop)

Microsoft has deprecated Internet Explorer 11 in Windows 10 and recommends using Edge as the default browser. Refer to the Oracle Software Web Browser Support Policy for additional information.

## Store Operations Cloud Service (SOCS) Mobile Version Requirements

| Mobile Application | Supported Version |
|---|---|
| Store Operations Cloud Service (SOCS) | 23.1.101.0 |

The SOCS Mobile Application Archive (MAA) can be downloaded from Oracle Software Delivery Cloud.

# 3
# Noteworthy Resolved Issues

This following table highlights specific key fixes that are included in this release. In some cases, only a percentage of the overall fixed defects are listed.

| Affected Component | Defect Number | Description |
|---|---|---|
| SOCS | 34407248 | In a Unit & Amount stock count with the counting method Third Party and Auto Authorize enabled, a UIN item was updated with the incorrect Stock on Hand (SOH). |
| EICS and SOCS | 34550798 | PURGE* batch names were not translated to CLEANUP*. |
| EICS | 34585757 | The Review option on the Job Admin Details screen was not functioning as expected. |
| EICS | 34616414 | Importing a SIMT file using the Retail Sales Audit adhoc batch job with Item Status = LI, LOC, ORD failed. |
| SOCS | 34708837 | The Stock Count Rejected Item report was blank when the product group was defined for all stores. |
| EICS and SOCS | 34741219 | There were translation issues with Inventory Adjustment. |
| SOCS | 34744389 | SIOCS did not show the inbound quantity for a transfer sourced from the warehouse. |
| EICS | 34751027 | The messages for Purchase Order Create Information (POCre) and Store Delivery Create Information (ASNInCre) were failing. |
| EICS | 34755390 | Batch jobs that are not applicable for scheduling need to be removed from the job scheduler. |
| SOCS | 34775230 | When the Item UPC does not exist in SIOCS and the MessageType: ItemUPCDel arrives from Oracle Retail Merchandising Foundation Cloud Service (RMFCS), SIOCS threw a misleading error. |
| EICS | 34780453 | On the Stock Count Auth screen, the SOH column should show the snapshot count. |
| EICS and SOCS | 34783483 | Ticket Printing for the WAS NOW format based on Containers was not working correctly. |
| EICS | 34851496 | The system administration default Unit of Measure set to Cases was not working. |
| SOCS | 34788960 | SIOCS did not generate a ticket for the end date of a promotion. |
| SOCS | 34788990 | The auto-generated ticket showed the wrong price type and the previous price was not displayed. |
| SOCS | 34789164 | Improvements need to be made in the adhoc inventory extract process. |
| SPCS | 34791848 | The filter on Price Type on the Ticket List screen was not working. |

| Affected Component | Defect Number | Description |
|---|---|---|
| SOCS | 34791965 | The filter on Active Date on the Ticket List screen was not working. |
| SOCS | 34792945 | The barcode generated on the Transfer Receiving Label was not readable because it was split into two lines. |
| SOCS | 34794958 | In the Problem Line stock count, the total uncounted items was not correct. |
| SOCS | 34804343 | After a transfer request had been created, opening that request resulted in an error message indicating that it is locked by that same user. |
| SOCS | 34805935 | Current user information was not displayed in the drawer. |
| EICS | 34855788 | When attempting to integrate a modification to a Supplier record in Merchandising by enabling the Returns Allowed indicator on a supplier that has no return address, an error occurred on the VendorHdrMod and VendorHdrCre messages. |

### Known Issue Requiring Customer Action

#### SIOCS Integration with External Service Credential Administration

Due to a known issue with the user-fed credentials, customers are advised to review and ensure external service integration user-fed credentials are intact after the version update has completed on the non-production and production environments. Follow the steps below to verify and update the user-fed credentials if they become invalid after the version update.

1. Log on to the SIOCS web client.
2. Select Task Menu > Admin > Technical Maintenance > Credential Administration.
3. Verify and update any external service integration user credentials.

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# Deprecated Features

As part of the continuous delivery model for cloud services, features and technical components of a solution may be removed or replaced to enhance the security, performance, and overall quality of the cloud service. When this occurs, the deprecation of a feature or component will be announced in advance, allowing customers sufficient time to anticipate the change and transition to any enhanced replacement feature/component. After the deprecation is announced, the deprecated feature or component will remain in the solution until the planned removal date and will not be enhanced or made compatible with other new features.

For the full schedule of planned deprecations for this product, see the Deprecation Advisory accessed from the following MOS Documentation Library: Oracle Retail Store Inventory Operations Cloud Services Documentation Library at Doc ID 2614551.1.