

**Oracle Supply Chain Management
Configurations for Oracle Utilities Work
and Asset Cloud Service Integration to
Oracle Supply Chain Management**

Setup Guide

Release 25.4

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Oracle Supply Chain Management Configurations for Oracle Utilities Work and Asset Cloud Service
Integration to Oracle Supply Chain Management Setup Guide, Release 25.4

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Preface

Welcome to the Oracle Supply Chain Management Setup Guide for Oracle Utilities Work and Asset Cloud Service Integration to Oracle Supply Chain Management, release 25.4. Oracle Supply Chain Management (mentioned here) is a part of the Oracle Fusion Cloud Financials. This document focuses on the Oracle Supply Chain Management configurations and administration information required for the integration.

Please note that the screenshots and images provided in this document are sample references based on the current release of Oracle Supply Chain Management configurations for Oracle Utilities Work and Asset Cloud Service Integration to Oracle Supply Chain Management. They may change based on changes in the future releases.

The preface includes the following:

- [Audience](#)
- [Documentation and Resources](#)
- [Documentation Accessibility](#)
- [Conventions](#)
- [Abbreviations](#)

Audience

This document is intended for anyone implementing the integration between Oracle Utilities Work and Asset Cloud Service and Oracle Supply Chain Management.

Documentation and Resources

For more information regarding this integration, foundation technology and the edge applications, refer to the following documents:

Product Documentation

Resource	Location
Oracle Utilities Work and Asset Cloud Service Integration to Oracle Supply Chain Management documentation	https://docs.oracle.com/en/industries/energy-water/integrations-index.html
Oracle Utilities Work and Asset Cloud Service documentation	https://docs.oracle.com/en/industries/energy-water/work-asset-cloud-service/index.html
Oracle Utilities Work and Asset Management documentation	https://docs.oracle.com/en/industries/energy-water/work-asset-management/index.html
Oracle Supply Chain Management documentation	https://docs.oracle.com/en/cloud/saas/supply-chain-and-manufacturing/index.html

Additional Documentation

Resource	Location
Oracle Integration Cloud Service documentation	Refer to the OIC documentation at: https://docs.oracle.com/en/cloud/paas/integration-cloud/index.html
Oracle Support	Visit My Oracle Support regularly to stay informed about updates and patches. See the Certification Matrix for Oracle Utilities Products (Doc ID 1454143.1) on My Oracle Support to determine if support for newer versions of the listed products is included. For complete product documentation, visit the Oracle Energy and Water Integrations page on Oracle Help Center.
Oracle Technology Network (OTN) latest versions of documents	http://www.oracle.com/technetwork/index.html
Oracle University for training opportunities	http://education.oracle.com/

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 have access to electronic support for the hearing impaired. Visit: <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs>

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.

Abbreviations

This document includes the following abbreviations:

Term	Expanded Form
ERP	Enterprise Resource Planning
OUWACS/WACS	Oracle Utilities Work and Asset Cloud Service
OIC	Oracle Integration Cloud
SCM	Oracle Supply Chain Management
OUWAM/WAM	Oracle Utilities Work and Asset Management
BICC	Oracle Business Intelligence Cloud Connector
BIP	Oracle Business Intelligence Publisher

Chapter 1

Overview

This chapter focuses on the configurations required for Oracle Assets in order to make the integration work. It includes the following:

- [Integration Overview](#)
- [Pre-requisites](#)
- [Design Details](#)

Integration Overview

Utilities around the world are using Oracle Supply Chain Management for their supply chain and inventory management with Oracle Utilities Work and Asset Cloud Service for work and asset management. Oracle Utilities Work and Asset Cloud Service integration to Oracle Supply Chain Management will provide the set of integrations for seamless data flow between the two systems to allow users to carry out the business processes optimally using both the systems. The integration caters to customers who use Oracle Supply Chain Management for inventory management with Oracle Supply Chain Management being source for the inventory master data and transactions.

In addition to the existing Storeroom , Stock Item Details , Material Reservation, Material Request, Material Issue, Material Demand FTP Forecast, and Material Demand OS Forecast integrations are included in the 25.4 release.

Material Reservation integration synchronizes with the Oracle Utilities Work and Asset Cloud Service Material Activity Resource Requirements (ARR) with reservation as User Defined Reservation in Oracle Supply Chain Management. Material Request integration creates an expense type transfer order in Oracle Supply Chain Management on receiving a material request from Oracle Utilities Work and Asset Cloud Service. It also creates a pick wave for transfer order in Oracle Supply Chain Management closer to the 'required by date' of the transfer order.

The Oracle Material Issue integration synchronizes the shipment lines from Oracle Supply Chain Management to Oracle Utilities Work and Asset Cloud Service as material issue when the pick and shipment confirmed in Oracle Supply Chain Management.

The Material Demand FTP Forecast integration reads the Oracle Utilities Work and Asset Cloud Service batch file from FTP for Material Demand, transforms it to the target schema, and uploads it as external forecast in Oracle Supply Chain Management Planning through external forecast FBDI.

The Material Demand OS Forecast integration reads the Oracle Utilities Work and Asset Cloud Service batch file from Object Storage for Material Demand, transforms it to the target schema, and uploads it as external forecast in Oracle Supply Chain Management Planning through external forecast FBDI.

The implementation details are provided in the *Oracle Utilities Work and Asset Cloud Service Integration to Oracle Supply Chain Management Configuration Guide* included in this release. The documentation is available on Oracle Help Center at: <https://docs.oracle.com/en/industries/energy-water/integrations-index.html>

The Oracle Utilities Work and Asset Cloud Service integration with Oracle Supply Chain Management has dependencies on following integrations.

- Oracle ERP Product Hub Integration to Oracle Work and Asset Cloud Service
- Oracle Utilities Work and Asset Cloud Service Integration to Oracle Fusion Cloud Project Management, if the implementation uses project management for work and financial tracking.

For more details, refer to the Oracle ERP Product Hub Cloud Integration to Oracle Utilities Work and Asset Cloud Service documentation on Oracle Help Center at: <https://docs.oracle.com/en/industries/energy-water/integrations-index.html>

Pre-requisites

The Oracle ERP Product Hub Cloud Integration to Oracle Utilities Work and Asset Cloud Service is a pre-requisite to the Oracle Utilities Work and Asset Cloud Service Integration to Oracle Supply Chain Management.

The pre-requisites to import files that come as part of the package are:

- Oracle Supply Chain Management
- Oracle Integration Cloud should be available for the integration activities.
- Oracle Utilities Work and Asset Cloud Service integration system should be up and running for the interface.

Design Details

This section describes the design details of the integration.

Storeroom Sync

The [Storeroom Integration](#) transfers sub inventory in Oracle Fusion ERP Cloud as storeroom in Oracle Utilities Work and Asset Cloud Service.

Stock Item Details Sync

The [Stock Item Details Integration](#) synchronizes the bulk load and incremental synchronization data from Oracle Fusion ERP Cloud inventory to Oracle Utilities Work and Asset Cloud Service.

Material Reservation Sync

The [Material Reservation Integration](#) synchronizes the Activity Resource Requirements in Oracle Utilities Work and Asset Cloud Service as User Defined Reservations in Oracle Supply Chain Management.

Material Request Creation

The [Material Request Integration](#) creates supply request in Oracle Fusion ERP Cloud on creation of Material Request in Oracle Utilities Work and Asset Cloud Service. The supply request creates an expense type transfer order. The pick wave for the transfer order is also created in Oracle Supply Chain Management nearer to required by date.

Material Issue

The [Material Issue Integration](#) is intended to synchronize the issue information for the material requested from inventory by a Oracle Utilities Work and Asset Cloud Service activity when the inventory is owned by Oracle Supply Chain Management. Through the material request integration flows, the Oracle Utilities Work and Asset Cloud Service material request generates expense transfer order in Oracle Supply Chain Management and pick wave for that transfer order closer to required by date. The transfer order will be executed and closed once the material is picked up for all the lines and lines are closed. As the material for transfer order lines gets picked up, this information should be fed back to Oracle Utilities Work and Asset Cloud Service as a material issue for the material request line. This will allow Oracle Utilities Work and Asset Cloud Service to close the material request line and proceed further in activity execution.

Material Demand Forecast

The [Material Demand Forecast Integration](#) reads the Oracle Utilities Work and Asset Cloud Service batch file for Material Demand, transforms it to the target schema, and uploads it as external forecast in Oracle Supply Chain Management Planning through external forecast FBDI.

Storeroom Integration

The Oracle Fusion ERP Cloud sub inventory is synchronized as Oracle Utilities Work and Asset Cloud Service storeroom. It runs through two modes.

- **Initial Load:** This mode executes when the integration runs for the first time. As part of the execution, the flow reads all active Oracle Fusion ERP Cloud sub inventories and creates the corresponding storerooms in Oracle Utilities Work and Asset Cloud Service.
- **Incremental Load:** After the initial load is executed, incremental load runs on a schedule. As part of incremental load, the changes in Oracle Fusion ERP Cloud sub inventories (create, update, deactivate) are propagated to the corresponding Oracle Utilities Work and Asset Cloud Service storerooms.

Stock Item Details Integration

The stock item details definition and inventory adjustments are synchronized in Oracle Utilities Work and Asset Cloud Service from Oracle Fusion ERP Cloud. The stock item details integration also works in two modes: initial load and increment load. It supports the following sub flows:

- **Stock Item Details Definition:** The stock item details definitions are created based on the Oracle Fusion ERP Cloud item and inventory organization associations from the item definition.
- **Inventory Adjustment:** The on-hand balance and unit cost price are picked from Oracle Fusion ERP Cloud at item-subinventory level and updated as item quantity and average unit price in Oracle Utilities Work and Asset Cloud Service at stock item details.

Material Reservation Integration

On activation of material activity resource requirements (ARR) with reservation date in Oracle Utilities Work and Asset Cloud Service, an user defined reservation is created in Oracle Supply Chain Management. It also updates/deletes the reservation based on updates/cancellation of material ARR.

Material Request Integration

This integration includes the following flows:

- **Supply Request Creation:** The material request from Oracle Utilities Work and Asset Cloud Service creates an expense type supply request in Oracle Supply Chain Management. This supply request gets converted to expense type transfer order in Oracle Supply Chain Management through supply chain orchestration process of Oracle Fusion.
- **Pick Wave Creation:** Closer to the transfer order required by date, the integration creates a pick wave for each transfer order. It also reduces the user defined reservation by appropriate quantity if the Oracle Utilities Work and

Asset Cloud Service material request line has a material ARR attached to it with reservation.

Material Issue Integration

When the pick slip and shipment lines are confirmed in Oracle Supply Chain Management, this integration synchronizes the shipment lines information as material issue in Oracle Utilities Work and Asset Cloud Service.

Material Demand Forecast Integration

This integration includes the following flows:

- **Material Demand FTP Forecast Integration:** When the W1-SIDDEX job is run, the Material Demand batch file is generated in Oracle Utilities Work and Asset Cloud Service as part of activity resource requirements for materials as well as planned non-activity based material requests placed in FTP. This integration reads the file and uploads it to Oracle Supply Chain Management as forecast.
- **Material Demand FTP Forecast Integration:** When the W1-SIDDEX job is run, the Material Demand batch file is generated in Oracle Utilities Work and Asset Cloud Service as part of activity resource requirements for materials as well as planned non activity based material requests and placed in Object Storage. This integration reads the file and uploads it to Oracle Supply Chain Management as forecast.

Chapter 2

Oracle Supply Chain Management Configurations

This chapter provides information about the Oracle Supply Chain Management configurations that have to be set on top of the standard Oracle Supply Chain Management attributes based on the Oracle Utilities Work and Asset Cloud Service asset information. The following are described:

- [Capturing Additional Oracle Utilities Work and Asset Cloud Service Attributes](#)
- [Configuring BICC Extract](#)
- [BICC Tool Setup](#)
- [Running the Extract Job](#)
- [Configuring BI Reports](#)
- [Enabling Shipment Advice Event](#)

Make sure the Oracle ERP Product Hub Cloud Integration to Oracle Utilities Work and Asset Cloud Service related item configuration is in place before executing the Oracle Utilities Work and Asset Cloud Service Integration to Oracle Supply Chain Management integration.

Refer to the *Oracle ERP Product Hub Cloud Configurations for Oracle ERP Product Hub Cloud Integration to Oracle Utilities Work and Asset Cloud Service for Stock Item Setup Guide* for Oracle ERP Product Hub Cloud configurations.

Capturing Additional Oracle Utilities Work and Asset Cloud Service Attributes

A new DFF field was introduced in Sub Inventory. Only if this field is set to “yes”, the sub inventory will be synchronized to Oracle Utilities Work and Asset Cloud Service. This section includes the following:

- [Setting up the Subinventories DFF attribute “WACS Storeroom”](#)
- [Setting up the Transfer Order Line DFF Attributes \(WACS ARR ID and WACS GL Account\)](#)

Setting up the Subinventories DFF attribute “WACS Storeroom”

1. Navigate to **Setup and Maintenance**. Search for the “Manage Inventory Descriptive Flexfields” task.
2. On **Manage Inventory Descriptive Flexfields**, search for “Subinventories”.

Manage Inventory Descriptive Flexfields

Search

Name:

Flexfield Code:

Module:

Search Results

Name	Type	Module	Flexfield Code	Entity Usages	Description	Deployment Status	Deployment Error Message	Deployment Date
Subinventories	Descriptive Flexfield	Setup	INV_SECOND...			Yes		6/18/24 7:01 AM

3. Select the **Subinventories** row and click the edit icon. Click the **+** icon in the **Global Segments** section to create a new segment.

Edit Descriptive Flexfield: Subinventories

Name: Subinventories

Flexfield Code: INV_SECONDARY_INVENTORIES

Description:

Segment Separator:

Application: Inventory Management

Module: Setup

Global Segments

Name	Table Column	Value Set	Prompt
Source Type			

No data to display
Columns Hidden: 9

Context Segment

* Prompt:

API Name:

Value Set:

Default Type:

Required: ☐

* Display Type:

BI Enabled: ☒

BI Label:

Definition Help Text:

Instruction Help Text:

Context Sensitive Segments

Specify segments based on the defined context value.

No contexts to display.

4. To validate the “Yes” and “No” values, create a custom value set. On the **Create Segment** page, click **Create Value Set**.

Edit Descriptive Flexfield: Subinventories ⓘ

Name Subinventories
Flexfield Code INV_SECONDARY_INVENTORIES
Description

Segment Separator -
Application Inventory Management
Module Setup

Global Segments

Actions View Format + Freeze Detach Wrap

Sequence	Name	Table Column	Value Set	Prompt
No data to display				
Columns Hidden: 9				

Context Segment

* Prompt Source Type
API Name
Value Set
Default Type
☐ Required
* Display Type Text Box

BI Enabled
BI Label
Definition Help Text
Instruction Help Text

Context Sensitive Segments
Specify segments based on the defined context value.
No contexts to display.

- Use your implementation standards to create (or reuse) a custom value set for “Yes” and “No” validation. Below is a sample value set for reference.

Create Value Set ⓘ

Value Set Code WACS_YES_NO_VS
Description Yes No Value set for WACS data validation
* Module Oracle Middleware Extensions for Applications
Validation Type Independent
Value Data Type Character
☐ Security enabled
Data Security Resource Name Edit Data Security

Definition

Value Subtype Text
* Maximum Length 5
Minimum Value
Maximum Value
☐ Uppercase only
☐ Zero fill

Business Objects Service Definition

Create Delete

- Click **Save**, and then click **Manage Values**.
- Click the + icon to add two new rows, and then click **Save and Close**.
- On the **Create Value Set** page, click **Save and Close**. On the **Create Segment** page, add a new DFF segment with following values:

Field Name	Value
Name	WACS Storeroom
Code	WACS Storeroom
API Name	wacsStoreroom
Description	Field to identify if the subinventory is WACS storeroom.
Data Type	Character
Table Column	ATTRIBUTE15
Value Set	WACS_Yes_No_VS

Field Name	Value
Prompt	WACS Storeroom
Display Type	List of Values
Display Size	5

Create Segment ⓘ

Flexfield Name Subinventories

* Name WACS Storeroom

* Code WACS Storeroom

* API Name wacsStoreroom

Flexfield Code INV_SECONDARY_INVENTORIES

Description Field to identify if subinventory is WACS storeroom

☒ Enabled

Column Assignment

* Data Type Character

* Table Column ATTRIBUTE15

Validation

* Value Set WACS_YES_NO_YN

Value Set Description Yes No Value set for WACS data validation

Range Type

☐ Required

Initial Default

Default Type

Display Properties

* Prompt WACS Storeroom

* Display Type List of Values

Display Size 5

Display Height

☐ Read-only

Business Intelligence

☒ BI Enabled

BI Label

Save Save and Close Cancel

View Value Set Create Value Set

Definition Help Text

Instruction Help Text

- Click **Save and Close**. On the **Edit Descriptive Flexfield: Subinventories** page, click **Save and Close** to navigate back to the **Manage Inventory Descriptive Flexfields** page.

Manage Inventory Descriptive Flexfields ⓘ

Search

Name Subinventories

Flexfield Code

Module

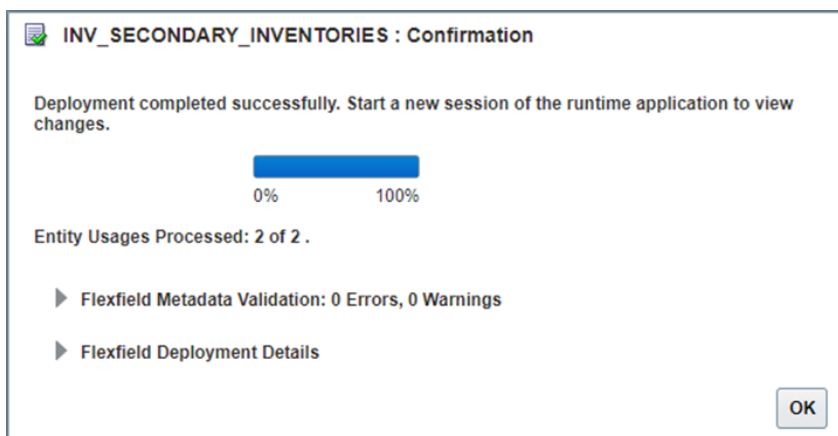
Search Reset

Search Results

Deploy Flexfield

Name	Type	Module	Flexfield Code	Entity Usages	Description	Deployment Status	Deployment Error Message	Deployment Date
Subinventories	Descriptive Flexfield	Setup	INV_SECOND...					6/18/24 7:01 AM

- Select the **Subinventories** row and click **Deploy Flexfield**. Make sure the deployment is successful.



11. Click **OK** to complete the configuration.

Setting up the Transfer Order Line DFF Attributes (WACS ARR ID and WACS GL Account)

1. Navigate to the **Setup and Maintenance** page. Search for the **Manage Inventory Descriptive Flexfields** task.
2. On the **Manage Inventory Descriptive Flexfields** page, search for **Internal Material Transfer Order Lines**.
3. Select **Internal Material Transfer Order Lines** and then click the edit icon.
4. Click the **+** icon to add two new rows for global segments. Enter the data for each segment, and then click **Save and Close**.



Field Name	Value
Name	WACS ARR Id
Code	WACS ARR Id
API Name	wacsArrId
Description	WACS Activity Resource Requirement Id for the material
Data Type	Character
Table Column	ATTRIBUTE_CHAR19
Value Set	150 Characters
Prompt	WACS ARR Id
Display Type	Text Box

Field Name	Value
Display Size	20

Field Name	Value
Name	WACS GL Account
Code	WACS GL Account
API Name	wacsGlAccount
Description	First GL Account for the material line
Data Type	Character
Table Column	ATTRIBUTE_CHAR20
Value Set	150 Characters
Prompt	WACS GL Account
Display Type	Text Box
Display Size	20

Save the data for both the segments. The following figure shows the saved data.

Edit Descriptive Flexfield: Internal Material Transfer Order Lines ⓘ

Name: Internal Material Transfer Order Lines
Flexfield Code: INV_TRANSFER_ORDER_LINES
Description: Internal Material Transfer Order Line Attributes

Segment Separator: [v]
Application: Inventory Management
Module: Transfer Orders

Manage Contexts Manage Segment Labels Save Save and Close Cancel

Global Segments

Actions View Format [icon] [icon] [icon] Freeze [icon] Detach [icon] Wrap

Sequence	Name	Table Column	Value Set	Prompt
10	WACS ARR Id	ATTRIBUTE_CHAR19	150Char	WACS ARR Id
20	WACS GL Account	ATTRIBUTE_CHAR20	150Char	WACS GL Account

Columns Hidden ⓘ

Context Segment

* Prompt: Context Segment
API Name:
Value Set: [v]
Default Type: [v]
☐ Required
* Display Type: List of Values [v]

☐ BI Enabled
BI Label: [v]
Definition Help Text: [text area]
Instruction Help Text: [text area]

Context Sensitive Segments

- Click **Save and Close**.
- On the **Manage Inventory Descriptive Flexfields** page, click the **Internal Material Transfer Order Lines** row, and then click **Deploy Flexfield**.
- Make sure there are no errors and warnings. Click **OK**.

Configuring BICC Extract

To import job definitions into the target BICC application in Oracle Fusion ERP Cloud:

1. Navigate to the package and copy the ERPSCM_ActiveSubInvExtBICC_WACS.zip zip file to the subinventory local directory.
2. Login to the Oracle Fusion ERP Cloud BICC application using BIADMIN/ <password>.

https://FA OHS Host:FA OHS Port/biacm (or)

https://<Fusion cloud application URL>/biacm

Example: https://Fusion cloud application URL.com:443/biacm
3. Verify the port when accessing the URL to run the report from BICC.
4. Create a new user “BIADMIN” (if not available) with following roles:
 - ORA_ASM_APPLICATION_IMPLEMENTATION_ADMIN_ABSTRACT
 - OBIA_EXTRACT_TRANSFORM_LOAD_RWD
 - ORA_ASM_APPLICATION_IMPLEMENTATION_CONSULTANT_JOB
 - ORA_ASM_APPLICATION_IMPLEMENTATION_MANAGER_JOB
 - BICC_UCM_CONTENT_ADMIN
 - RCS_SCM_EXTRACT_TRANSFORM_LOAD_DUTY
 - OBIA_EXTRACT_TRANSFORM_LOAD_DUTY
5. Upload the bulk/incremental zip file.
 - a. Login to Oracle Business Intelligence Cloud Connector Console.
 - b. From the tool bar on the right pane, click the **Manage offerings and Data stores** icon.
 - c. Click **Import Customization**.
 - d. On the **Import Customization** page, click **Browse** to navigate to the source folder and select the zip file.
 - e. Click **Import**.
6. From the tool bar on the right pane, click the **Manage Jobs** icon > **Manage Jobs** to verify if the job is uploaded successfully.

ORACLE

Oracle Business Intelligence Cloud Connector Console

HelpBIAdmin

Job Details : ERPSCM_ActiveSubInvExtBICC_WACS

EditEdit GroupDone

NameERPSCM_ActiveSubInvExt

DescriptionBICC Extract to sync active sub inventories in ERPINV to WACS as storerooms

Data Stores

View

Detach

Business Object	Data Store	Supports Incremental	Last Extract Date	Effective Date Disabled	Extract Data Store Metadata	Silent Error	Actions
ScmExtractIAM InvBiccExtract	FscmTopModelIAM_ScmExtractIAM_InvBiccExtractIAM_InventoryS	☒	2024.04.10 PM 01:13:35	☐	☐	☐	

Columns Hidden 3

7. Select **Data Store > Edit Data Store Details** to modify the **Query Filter** if necessary.

Oracle Business Intelligence Cloud Connector Console

FscmTopModelAM.ScmExtractAM.InvBiccExtractAM.InventorySubinventoryExtractPVO

[Edit Data Store Details](#) [Select Columns](#) [Done](#)

Data Store Code: FscmTopModelAM.ScmExtractAM.InvBiccExtractAM.InventorySubinventory

Query Filter: `__DATASTORE___.INVSUBINVPEODISABLEDATE IS NULL OR
__DATASTORE___.INVSUBINVPEODISABLEDATE >= CURRENT_DATE`

Last Extract Date: 2024-04-10 PM 01:13:35

Label: Inventory Subinventory Details

Description: The Inventory Subinventory Details view object contains information about the inventory subinventories configured for an inventory organization.

Options:

- ☐ Silent Error
- ☐ Disable Effective Date Filter
- ☐ Extract Data Store Metadata
- ☐ Use UNION ALL for incremental extract
- ☐ Use Broker Mode for Extract

Job Name: ERPSCM_ActiveSubinvExtBICC_WACS

Offerings: Innovation Management, Item sub inv PVO, Manufacturing, Maintenance Cloud, Product Information Management, Supply Chain and Order Management

Data Store Columns

51 columns selected

Column Name	Description	Select List	Incremental Filter	Primary Key	Effective Start Date	Creation Date
InvSubinvPEOAssetInventory	Value that determines whether to consider the inventor...	✓	—	—	—	—
InvSubinvPEOAvailabilityType	Type of subinventory availability.	✓	—	—	—	—
InvSubinvPEOCartonizationFlag	Contains one of the following values: true or false. If tr...	✓	—	—	—	—
InvSubinvPEOCountMethod	Method used for the PAR replenishment count.	✓	—	—	—	—
InvSubinvPEOCreatedBy	User who created the inventory subinventory details row.	✓	—	—	—	—
InvSubinvPEOCreationDate	Date and time when inventory subinventory details row...	✓	—	—	—	✓
InvSubinvPEODefaultCountTypeCode	Code that indicates the type of replenishment count. V...	✓	—	—	—	—

Data Store Settings : ERPSCM_ActiveSubinvExtBICC_WACS

Data Store Key: FscmTopModelAM.ScmExtractAM.InvBiccExtractAM.InventorySubinventoryExtractPVO [Download Sample CSV File](#)

Query Filter: `__DATASTORE___.INVSUBINVPEODISABLEDATE IS NULL OR
__DATASTORE___.INVSUBINVPEODISABLEDATE >= CURRENT_DATE`

Data Store Options:

- ☐ Silent Error
- ☐ Disable Effective Date Filter
- ☐ Extract Data Store Metadata
- ☐ Use UNION ALL for incremental extract

__DATASTORE___.INVSUBINVPEODISABLEDATE IS NULL OR
__DATASTORE___.INVSUBINVPEODISABLEDATE >= CURRENT_DATE is the Query Filter which fetches only the active Subinventories in the extract. Initially it fetches all the Subinventories (Bulk), next it fetches only the modified or newly created ones (Incremental) since last extract datetime. The same Job does the Bulk and Incremental extracts.

8. Click **Save** to complete the updates.

Note: If the content cannot be loaded directly, use the CSV files in the package to copy the content to the Data Store setting and select the columns manually.

Important! If the steps mentioned above generate an error, do the following:

1. Perform the steps 1 to 4 mentioned above.
2. On the right pane, select **Manage Jobs**.
3. Click **+** to create a new job.
4. Enter the following details:
 - **Name:** ERPSCM_ActiveSubinvExtBICC_WACS
 - **Description:** BICC Extract to sync active sub inventories in ERPSCM to WACS as storerooms.
5. From the **Offering** drop-down list, select "All".

6. Search for the “FscmTopModelAM.ScmExtractAM.InvBiccExtractAM.InventorySubinventoryExtractPVO” data store and select it.
7. Select the **Enabled for Extract** checkbox and click **Save**.

Add Job

Name: Description:

Data Stores

Business Object	Data Store	Data Store Code	Enabled for Extract
ScmExtractAM.InvBiccExtract	FscmTopModelAM.ScmExtractAM.InvBiccExtractAM.InventorySubinventoryExtractPVO	FscmTopModelAM.ScmExtractAM.InvBiccExtractAM.InventorySubinventoryExtract...	☐

8. After the business object is saved, the data store is displayed.
9. Click the job and then click data store.
10. On the data store, click **Edit Data Store Details**.
11. Enter the following query in the **Query Filter**.
DATASTORE__INVSUBINVPEOSUBINVENTORYTYPE=1 AND (
DATASTORE .INVSUBINVPEODISABLEDATE IS NULL OR
DATASTORE .INVSUBINVPEODISABLEDATE >= CURRENT_DATE)
12. Click **Done**.
13. On the main screen, click **Select Columns**.
14. Include the necessary columns and click **Save**.

Data Store Column Selection : ERPSCM_ActiveSubinvExtBICC_WACS

Data Store Key: [Download Sample CSV File](#)

Data Store Columns

Column Name	Label	Data Type	Select List	Primary Key
InvSubinvPEOTaskId	InvSubinvPEOTaskId	NUMERIC	☒	☐
InvSubinvPEOProjectId	InvSubinvPEOProjectId	NUMERIC	☒	☐
InvSubinvPEOJobDefinitionName	InvSubinvPEOJobDefinitionName	VARCHAR	☒	☐
InvSubinvPEOLastUpdatedBy	InvSubinvPEOLastUpdatedBy	VARCHAR	☒	☐
InvSubinvPEOOrganizationId	InvSubinvPEOOrganizationId	NUMERIC	☒	☒
InvSubinvPEOSubinventoryGroup	InvSubinvPEOSubinventoryGroup	VARCHAR	☒	☐
InvSubinvPEOSubinventoryId	InvSubinvPEOSubinventoryId	NUMERIC	☒	☐
InvSubinvPEOLocatorType	Locator Control	VARCHAR	☒	☐
InvSubinvPEOJobDefinitionPackage	InvSubinvPEOJobDefinitionPackage	VARCHAR	☒	☐
InvSubinvPEOPostprocessingLeadTime	Postprocessing	NUMERIC	☒	☐
InvSubinvPEOAvailabilityType	InvSubinvPEOAvailabilityType	NUMERIC	☒	☐
InvSubinvPEOEnableLocatorAlias	InvSubinvPEOEnableLocatorAlias	VARCHAR	☒	☐

15. Mark “InvSubinvPEOOrganizationId” as the **Primary Key**.

16. Mark “InvSubinvPEOLastUpdateDate” as the **Incremental Key**.

Oracle Business Intelligence Cloud Connector Console

Data Store Column Selection : ERPSCM_ActiveSubinvExtBICC_WACS

Data Store Key: FscmTopModelAM, ScmExtractAM, InvBiccExtractAM, InventorySubinventoryExtractPVO

Download Sample CSV File

Data Store Columns

Actions View Search Column Names Filter All Columns Select

Column Name	Label	Data Type	Incremental Filter	Select List	Primary Key
InvSubinvPEOLastUpdateDate	InvSubinvPEOLastUpdateDate	TIMESTAMP	☒	☒	☐
InvSubinvPEOTaskId	InvSubinvPEOTaskId	NUMERIC	☐	☒	☐
InvSubinvPEOProjectId	InvSubinvPEOProjectId	NUMERIC	☐	☒	☐
InvSubinvPEOJobDefinitionName	InvSubinvPEOJobDefinitionName	VARCHAR	☐	☒	☐
InvSubinvPEOLastUpdatedBy	InvSubinvPEOLastUpdatedBy	VARCHAR	☐	☒	☐
InvSubinvPEOOrganizationId	InvSubinvPEOOrganizationId	NUMERIC	☐	☒	☒
InvSubinvPEOSubinventoryGroup	InvSubinvPEOSubinventoryGroup	VARCHAR	☐	☒	☐
InvSubinvPEOSubinventoryId	InvSubinvPEOSubinventoryId	NUMERIC	☐	☒	☐
InvSubinvPEOLocatorType	Locator Control	VARCHAR	☐	☒	☐
InvSubinvPEOJobDefinitionPackage	InvSubinvPEOJobDefinitionPackage	VARCHAR	☐	☒	☐
InvSubinvPEOPostprocessingLeadTime	Postprocessing	NUMERIC	☐	☒	☐
InvSubinvPEOAvailabilityType	InvSubinvPEOAvailabilityType	NUMERIC	☐	☒	☐

17. Click **Save**.

To manually create an extract from the package, download the package first. It includes the following files:

- Use **C_JOB.csv** to fetch **Name** and **Description**.
- Use **C_JOB_DATA_STORE_CUST_COL_REL.csv** to identify columns to be included in the **Select Column** field. Add the respective primary and incremental keys in the column.
- Use **C_JOB_DATA_STORE_REL.csv** to get the data store.
- Use **C_JOB_DATA_STORE_RUNTIME.csv** to get the query to be updated in the data store.

BICC Tool Setup

To set up the BICC tool:

1. Navigate to **Manage Offerings and Data Stores > Actions > Extract Preferences**.
2. Verify the prune time. Set the **Prune Time in Minutes** to '0' to reflect the changes immediately.
3. Select the **Compression Type** as “Zip”.

- On the right pane, click **Configure External Storage** and make sure the UCM connection setup is existing.

ORACLE Oracle Business Intelligence Cloud Connector Console

Configure External Storage

Storage Service Connection OCI Object Storage Connection **UCM Connection**

UCM Connection

Name: UCM

Protocol: https

Host: ta-internal.oracleoutsourcing.com

Port: 10663

Test UCM Connection

Data Encryption Configuration

Data Encryption ☐

View Import Certificate Browse... No file selected Sign Extract File ☐ Download Signing Key Detach

Key Id: UID

No data to display

Running the Extract Job

To run the Extract job:

- From the toolbar on the right pane, click **Manage Jobs > Manage Job Schedules**.
- Click **Add**.
- Enter the **Job Name**, **External Storage**, **Job Type**, and **Job Name**. Click **Save**.

Note: The status should be “Succeeded”.

ORACLE Oracle Business Intelligence Cloud Connector Console

Schedule

Job: ERPSCM_ActiveSubinvExtBICC_WACS

Job Type: Application Data Extract

External Storage: UCM

Name: ERPSCM BICC JOB SCHED

Recurrence: Immediate

Notification

Notification: Use Global Extract Schedule Notification

Notify on: ☐ Start ☐ Success ☐ Failure

Mail To Addresses:

- Login to UCM and search for the extracted files.
https://<Fusion application URL>/cs
 - Enter “subinv*” in the **Quick Search** and press Enter.
 - Click the respective ID and download the file. You will be able to see the CSV file as per the Subinventory extract mapping file in the BICC.

Configuring BI Reports

To import and configure the BI reports in Oracle Supply Chain Management:

1. Navigate to **Tools > Reports & Analytics**.
2. Click **Browse Catalog**.
3. In the **Folders** section, navigate to the required directory.

Example: /Custom/SCMWACS/Inv Adj, /Custom/SCMWACS/Inv Adj/Data Model

Note: Make sure that the user has rights to access the folder.

The BI report path should be configured in the “item.adjust.bipreport” property in the OUTL-BRT-WACS_ERPSCM_ConfigProps Oracle Integration Cloud lookup, along with the file name.

Example: /Custom/SCMWACS/Inv Adj/ERPSCM_InvAdjReport_WACS.xdo

The proposed order to import the files in Oracle Supply Chain Management is as follows:

- ERPSCM_InvAdjQry_WACS.xdm.catalog
- ERPSCM_InvAdjReport_WACS.xdo.catalog

Note: ERPSCM_InvAdjQry_WACS.xdm.catalog has to be unarchived at /Custom/SCMWACS/Inv Adj/Data Model folder and ERPSCM_InvAdjReport_WACS.xdo.catalog has to be unarchived at /Custom/SCMWACS/Inv Adj folder.

4. From the list of tasks related to the selected folder, select **Unarchive**.
5. Click **Browse** and select the “ERPSCM_InvAdjQry_WACS.xdm.catalog” archived file to unarchive.
6. Select **None** and **Inherit** from the respective **Replace** and **ACL** drop-down lists.
7. Click **OK**.
8. Repeat the steps 5 and 6 to unarchive the “ERPSCM_InvAdjReport_WACS.xdo.catalog” file.
9. Verify the following BI report artifacts are imported successfully:
 - ERPSCM_InvAdjQry_WACS.xdm.catalog
 - ERPSCM_InvAdjReport_WACS.xdo.catalog
10. Similarly, import the following BI reports:

File Name	Unarchive Location	OIC Config Property Name	OIC Config Property Value
ERPSCM_InvZeroQtyAdjReport_WACS.xdo.catalog	/Custom/SCMWACS/Inv Adj	item.adjust.bipreport	/Custom/SCMWACS/Inv Adj/ERPSCM_InvAdjReport_WACS.xdo
ERPSCM_InvZeroQtyAdjQry_WACS.xdm.catalog	/Custom/SCMWACS/Inv Adj/Data Model		

File Name	Unarchive Location	OIC Config Property Name	OIC Config Property Value
ERPSCM_CategoryItemReport_WACS.xdo.catalog	/Custom/SCMWACS/Inv Item	wacs.item.bipreport	/Custom/SCMWACS/Inv Item/ERPSCM_CategoryItemReport_WACS.xdo
ERPSCM_Category_Item_WACS.xdm.catalog	/Custom/SCMWACS/Inv Item/Data Model		
ERPSCM_TransferOrderReport_WACS.xdo.catalog	/Custom/SCMWACS/Transfer Orders	transfer.order.bipreport	/Custom/SCMWACS/Transfer Orders/ERPSCM_TransferOrderReport_WACS.xdo
ERPSCM_GetTransferOrder_WACS.xdm.catalog	/Custom/SCMWACS/Transfer Orders/Data Model		

Enabling Shipment Advice Event

To enable the Shipment Advice Event in Oracle Supply Chain Management Planning:

1. Navigate to **Setup and Maintenance > Manufacturing and Supply Chain > Shipping > Manage Shipping Parameters**.
2. Select the **Publish transactional events** checkbox to enable it.

Manage Shipping Parameters ⓘ Inventory Organization 001 [Change Organization](#) [Save](#) [Save and Close](#) [Cancel](#)

General

Shipment Creation Criteria: Across orders ▼

Appending Limit: Do not append ▼

Packing Unit Capacity Method: Weight ▼

Ship Confirm Rule: Auto Ship ▼

* Weight UOM Class: Weight ▼

* Volume UOM Class: Volume ▼

Currency: USD ▼

☐ Enforce shipping method
☐ Allow future ship date
☐ Defer sending inventory updates to integrated application
☐ Enable carrier manifesting
☐ Defer online processing of inventory updates
☒ Publish transactional events
☐ Enable substitution for external system integrations

3. Select source system and click **Save**.