

**Oracle ERP Product Hub Cloud
Integration to Oracle Utilities Work and
Asset Cloud Service for Stock Item**

Data Mapping Guide

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Oracle ERP Product Hub Cloud Integration to Oracle Utilities Work and Asset Cloud Service for Stock Item Data Mapping Guide, Release 21C

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Preface

Welcome to the Oracle ERP Product Hub Cloud Integration to Oracle Utilities Work and Asset Cloud Service for Stock Item Data Mapping Guide.

The preface includes the following:

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

Audience

This document is intended for anyone implementing the integration of the following products with Oracle ERP Product Hub Cloud:

- Oracle Utilities Work and Asset Cloud Service

Documentation and Resources

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

Product Documentation

Topic	Description
Oracle ERP Product Hub Cloud Integration to Oracle Utilities Work and Asset Cloud Service for Stock Item documentation	Refer to the Oracle Utilities applications documentation page: http://docs.oracle.com/cd/E72219_01/documentation.html
Oracle Utilities Work and Asset Cloud Service documentation	
Oracle Application Cloud -Product Hub documentation	https://docs.oracle.com/en/cloud/saas/supply-chain-management/21c/faipr/index.html

Additional Documentation

Resource	Location
Oracle Support	Visit My Oracle Support at https://support.oracle.com regularly to stay informed about updates and patches. Access the support site for the Edge Application Certification Matrix for Oracle Utilities Products (Doc ID 1454143.1) or refer to the Oracle Utilities Integrations page at http://my.oracle.com/site/tugbu/productsindustry/productinfo/utilities/integration/index.htm
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.

Acronyms

The following terms are used in this document:

Term	Expanded Form
DVM	Domain Value Map (Lookup)
Oracle ERP	Oracle Enterprise Resource Planning Cloud
OIC	Oracle Integration Cloud
PH	Product Hub
PIM - Product Hub	Product Information Management
UCM	Oracle's Universal Content Management
WACS	Oracle Utilities Work and Asset Cloud Service
WAM	Oracle Utilities Work and Asset Cloud Service

Chapter 1

Data Mapping

This appendix provides mapping details for each integration point, including the following:

- [Stock Item \(Oracle ERP Product Hub Cloud Initiated\)](#)

Stock Item (Oracle ERP Product Hub Cloud Initiated)

This section describes data mapping for the following:

- [Stock Item Request Mapping](#)

Stock Item Request Mapping

Mapping details for “Stock Item Request” activity are as shown in the table below:

Product Hub Event Create / Update Item or Publish Item File	WACS REST Service: W1-StockItemSync			DVM Mapping	Comments
Column Name	Element Name	Parent Element	Type	DVM Name	
	W1AdStkItmSy		Group		
	input	W1AdStkItmSy	Group		
	externalSystem	input	Field	ERPWACS_ConfigProps	Defaulted by Integration. Get value from property name wacs.externalsystem in the ERPWACS_ConfigProps file. This value must exist in WAM.
ItemId	externalReferenceId	input	Field		This is the ERP's unique system generated Item ID. WAM externalReferenceId and resourceTypeExternalId will have the same value.
	initialLoad	input	Field		Defaulted by Integration. Hardcode it to 'F1IL' for initial load and 'F1IC' for incremental load.
	stockItemInfo	input	Group		
ItemId	resourceTypeExternalId	stockItemInfo	Field		This is the ERP's unique system generated Item ID.
ItemStatusValue	boStatus	stockItemInfo	Field	ERPWACS_StockItemStatus	Stock Item Status. ERP needs to send Active and Inactive items only. Use DVM to translate the ERP status to the equivalent WAM values. ERP VALUES: Development, Active and Inactive WAM values: Created, Active and Inactive ** For Item Create, no status should be passed.
	statusReason	stockItemInfo	Field		Not Mapped

Product Hub Event Create / Update Item or Publish Item File	WACS REST Service: W1-StockItemSync			DVM Mapping	Comments
Column Name	Element Name	Parent Element	Type	DVM Name	
ItemDescription	description	stockItemInfo	Field		Item description
Long Description	Long Description	stockItemInfo	Field		Item long description
ItemNumber	stockItem	stockItemInfo	Field		ERP Item Number. This is a user defined field.
	inventoryExpenseCode	stockItemInfo	Field		Not Mapped. WAM will get the default value from storeroom.
	usageExpenseCode	stockItemInfo	Field	ERPWACS_ConfigProps	Defaulted by Integration. Get value from property name wacs.default.usageExpenseCode in the ERPWACS_ConfigProps file. This value must exist in WAM. In WAM, usageExpenseCode is dependent on defaultValueToActivity field. If defaultValueToActivity field is Yes, usageExpenseCode must be provided.
AssetCategoryValue	propertyUnit	stockItemInfo	Field	ERPWACS_AssetCategory	If capital spare is yes, this should also be populated.
ListPrice	unitPrice	stockItemInfo	Field		
	commodityCategory	stockItemInfo	Field		Not Mapped
	commodityName	stockItemInfo	Field		Not Mapped
	commodityType	stockItemInfo	Field		Not Mapped
	commodityComposition	stockItemInfo	Field		Not Mapped
	commoditySize	stockItemInfo	Field		Not Mapped
ItemClass	stockCategory	stockItemInfo	Field	ERPWACS_ItemClass	This is not required in WAM.
					Sample values (can add more in the lookup): Concretes, Electric Systems & Equipments, Mechanical Equipment, Surface Finishing WACS Lookup field: STOCK_CAT_FLG

Product Hub Event Create / Update Item or Publish Item File		WACS REST Service: W1-StockItemSync		DVM Mapping	Comments
Column Name	Element Name	Parent Element	Type	DVM Name	
HazardClassValue	hazardous	stockItemInfo	Field	ERPWACS_HazardousFlag	Defaulted by Integration based on ERP HazardClassValue. If HazardClassValue is blank or empty, then set WAM hazardous to 'W1NO'. Else, set it to 'W1YS'.
HazardClassValue	hazardousType	stockItemInfo	Field	ERPWACS_HazardousType	WAM values from Lookup: HAZARD_TYPE_FLG
LotControlValue	lotManaged	stockItemInfo	Field	ERPWACS_LotManagedFlag	ERP values: No Lot Control, Full Lot Control WAM values: W1NO, W1YS
ShelfLifeDays	shelfLife	stockItemInfo	Field		Indicates the number of days from receipt after which the item lot expires.
InventoryAssetFlag	capitalSpare	stockItemInfo	Field	ERPWACS_InventoryAssetFlag	WAM Values: W1NO, W1YS InventoryAssetFlag Values: true or false
AssetTrackedFlag	trackable	stockItemInfo	Field	ERPWACS_AssetTrackedFlag	ERP Values: true or false WAM Values: W1NO, W1YS Asset TrackFlag is based on the AssetTrackValue. If AssetTrackValue is 'Not Tracked', AssetTrackedFlag is false. If AssetTrackedValue is either 'Customer Asset' Or 'Full Life Cycle', AssetTrackedFlag is true.
UserItemTypeValue	repairable	stockItemInfo	Field		Defaulted by Integration based on ERP UserItemTypeValue. If UserItemTypeValue = Asset Activity, set WAM repairable to Yes (W1YS). Else, it will be set to NO (W1NO).
UnitOfIssueValue	unitOfPurchase	stockItemInfo	Field	ERPWACS_UOMCode	The unit of measure used for purchasing the item. Example: Unit price of an item is \$1.50 each.
PrimaryUOMValue	unitOfIssue	stockItemInfo	Field	ERPWACS_UOMCode	The unit of measure used to issue the item from inventory
	purchaseToIssueRatio	stockItemInfo	Field		Pass vaue = 1 when UOP = UOI. When not equal, calculate the piRatio.
	taxRateSchedule	stockItemInfo	Field		Not Mapped

Product Hub Event Create / Update Item or Publish Item File	WACS REST Service: W1-StockItemSync			DVM Mapping	Comments
Column Name	Element Name	Parent Element	Type	DVM Name	
ItemCategory/Category Name	purchaseCommodity	stockItemInfo	Field	ERPWACS_PurchaseCommodity	Get the Category Name for Item Category = value of property name erp.purchaseitemcategory in the ERPWACS_ConfigProps file
AllowSubstituteReceiptsFlag	doNotSubstitute	stockItemInfo	Field	ERPWACS_AllowSubstituteReceiptsFlag	Indicate whether to allow receipt of defined substitutes in place of this item. WAM Values: W1NO, W1YS
	defaultValueToActivity	stockItemInfo	Field		Defaulted by Integration to Yes (W1YS)
	vendors	stockItemInfo	Group		Optional in WAM. Vendors in WAM and Suppliers in ERP should be manually synced for now.
ItemSupplierAssociation	vendorsList	vendors	List		For Each
ItemSupplierAssociation/SupplierSiteId	vendorLocationExternalId	vendorsList	Field		
	vendorLocationId	vendorsList	Field		
ItemSupplierAssociation/SupplierItemNumber	vendorPartNumber	vendorsList	Field		
ItemSupplierAssociation/PrimaryFlag	vendorPriority	vendorsList	Field	ERPWACS_VendorPriority	WAM Values: W1OT, W1PR ERP: true, false
	manufacturers	stockItemInfo	Group		Optional in WAM. Manufacturers Group will not be mapped.
	manufacturersList	manufacturers	List		No Manufacturer info in Oracle ERP Product Hub Cloud
	manufacturerCode	manufacturersList	Field		
	copyToPO	manufacturersList	Field		
	manufacturerPartNumber	manufacturersList	Field		
	bomId	manufacturersList	Field		
	output	W1AdStkItmSy	Group		
	syncRequestId	output	Field		