Oracle® Retail Fiscal Management
Operations Guide

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Oracle Retail Fiscal Management Operations Guide,

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Preface

This guide outlines the information you need to know about Oracle Retail Fiscal Management Cloud Service 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 Fiscal Management Cloud Service.

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Oracle Retail Cloud Services and Business Agility

Oracle Retail Fiscal Management Cloud Service 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
Introduction

Oracle Retail Fiscal Management Cloud Service (RMFCS) is a cloud native solution that leverages the most recent and advanced technologies used in Oracle Cloud applications and Merchandise Foundation Cloud Service Suite Architecture.

Fiscal Management Cloud Service is a JET and Java based application deployed on Oracle Cloud Infrastructure along with Oracle Retail Merchandise Cloud Services. The applications are deployed in a highly available, high performance, horizontally scalable architecture.

Key Technical Features:

- JET Redwood themed application
- Rest Services to integrate with external systems
- OAuth2.0 based authentication through Oracle Cloud Infrastructure Identity and Access Management (OCI IAM)
- Batch programs resides inside MFCS batch scheduler
- DAS/GG and RDS data replication available upon request
- Workflow based development
- Language and Notification customization through Retail Home application

Please refer to Merchandising Cloud Service Suite Architecture documentation for more details.

Figure 1-1   RFMCS Architecture in OCI
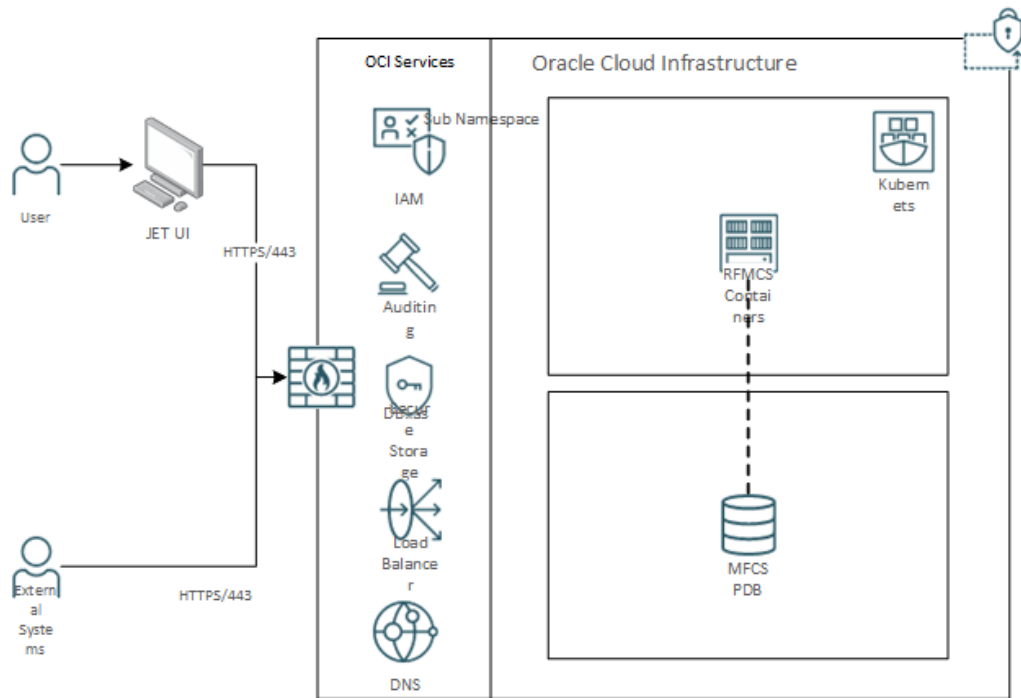
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Backend System Administration and Configuration

This chapter is intended for administrators who provide support and monitor the running system.

The content in this chapter is not procedural. Instead, it is meant to provide descriptive overviews of the parameters and configurations of the system that come with the Retail Fiscal Management application.

Fiscal Data Management

Fiscal Data Management is the set of features under RFMCS that manages fiscal attribute creation and item/entity fiscal classification. The association of fiscal-related attributes to items and entities is required to support fiscal document generation, tax calculation, and fiscal reporting. Depending on country-specific requirements, a set of pre-defined attributes is made available along with RFMCS.

> **✎ Note:**
>
> The association of any pre-defined attribute to its specific entity (items, locations, suppliers, and so on) will not be delivered as part of the RFMCS installation. This association or "fiscal classification" is part of implementation activities.

For the pre-defined attributes that require a list of values, the list will also be provided as part of the installation. However, some attributes have their list of values provided by governments or external entities. For customers to have the autonomy to keep these lists updated, the Fiscal Attributes List of Values are updated using Merchandising REST services. See Chapter 3, "Integration" for details.

The list of pre-defined attributes available in this release of RFMCS and the entity with which they are associated is described below. This list is not exhaustive, as it does not have all the configuration parameters for each attribute. These details are fetched from the application by calling the Fiscal Attributes Request Service. See Chapter 3, "Integration" for details.

Table 2-1   Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	CD_CLASSIFICACAO	Classification code for the item.	ITEM_MASTER	Y	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	APLICACAO	Application purpose for the item.	ITEM_MASTER	Y	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	FABRICACAO	Indicates if the item falls into one of the 2 categories for tax calculation purposes.	ITEM_MASTER	Y	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	ORIG	Origin classification code for items (code defined by fiscal authority).	ITEM_MASTER	Y	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	NCM	Item classification code (code defined for Mercosul trading zone).	ITEM_MASTER	Y	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	EXNCM	Sublevel of the NCM code (internal code meant for tax rule conditions).	ITEM_MASTER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	CEST	Extension code associated to the NCM code. This code is meant to identify items that are under the ST regime. Used for NF creation and tax calculation.	ITEM_MASTER	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	EXTIPI	Tax exception classification applied to IPI tax.	ITEM_MASTER	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	UF_FABRICACAO	Indicates the state where the product was manufactured.	ITEM_MASTER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	IND_ESCALA	Item Produced at a relevant scale. Attribute required to be stored for NF creation.	ITEM_MASTER	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	CNPJ_FAB	Associated with attributes Produced at a relevant Scale to store data for NF creation.	ITEM_MASTER	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	REGIME_DIF	Internal tax regime code kept in `FDM_ATTRIB` for tax calculation only.	ITEM_MASTER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	FABRICACAO	Indicates if the item falls into one of the 2 categories for tax calculation purposes.	ITEM_SUPPLIER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	ORIG	Origin classification code for items (code defined by fiscal authority).	ITEM_SUPPLIER	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	UF_FABRICACAO	Indicates the state where the product was manufactured.	ITEM_SUPPLIER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N

Table 2-1　(Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	UN_FISCAL	Fiscal UOM. Used for when the NF UOM is different than the Merchandising SUOM. Conversion created only in RFM.	ITEM_SUPPLIER	N	System Behavior: `Y` Fiscal Document Use: `Y` Tax Calculation: `N` Fiscal Reporting: `Y`
BR	FATOR_UN_FISCAL	Fiscal UOM conversion factor. Used for when the NF UOM is different than Merchandising SUOM. Conversion created only in RFM.	ITEM_SUPPLIER	N	System Behavior: `Y` Fiscal Document Use: `Y` Tax Calculation: `N` Fiscal Reporting: `Y`
BR	REGIME_DIF	Internal tax regime code kept in `FDM_ATTRIB` for tax calculation only.	ITEM_SUPPLIER	N	System Behavior: `N` Fiscal Document Use: `N` Tax Calculation: `Y` Fiscal Reporting: `N`
BR	FABRICACAO	Indicates if the item falls into one of the 2 categories for tax calculation purposes.	ITEM_LOC	N	System Behavior: `N` Fiscal Document Use: `N` Tax Calculation: `Y` Fiscal Reporting: `N`
BR	ORIG	Origin classification code for items (code defined by fiscal authority).	ITEM_LOC	N	System Behavior: `N` Fiscal Document Use: `Y` Tax Calculation: `Y` Fiscal Reporting: `Y`

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	UF_FABRICACAO	Indicates the state where the product was manufactured.	ITEM_LOC	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	N_FCI	FCI process code stored at item/ location level for NF creation.	ITEM_LOC	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	GROUP_ITEMS_ST	This flag will make group items while creating NFs.	ITEM_LOC	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	REGIME_DIF	Internal tax regime code kept in `FDM_ATTRIB` for tax calculation only.	ITEM_LOC	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	PESSOA_JURIDICA	Corporate taxpayer indicator.	LOCATION	Y	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	CNAE	CNAE code (database attribute for other entities). Activity identification code for companies.	LOCATION	Y	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	CNPJ	Taxpayer ID for federal level tax authorities. Exclusive for corporate taxpayers.	LOCATION	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE	Taxpayer ID for state level tax authorities.	LOCATION	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IND_IE	Indicates the type of State Inscription for the Recipient.	LOCATION	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IM	Taxpayer ID for city level tax authorities.	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

Table 2-1　(Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	CRT	Define the taxpayer's taxation regime (Normal Regime or National Simples).	LOCATION	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	CRT_SIMPLES_ALIQ	Percentage rate if the CRT equals the SIMPLES Contributor.	LOCATION	C	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	I_SUF	Specific free zone taxpayer code for exemption purposes.	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	REGIME_DIF	Internal tax regime code kept in `FDM_ATTRIB` for tax calculation only.	LOCATION	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	CONTROL_FISCAL_LEDGER	Location-level definition for fiscal ledger control. If `Yes`, all NFs are controlled (in and out).	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	DISCR_FISCAL_DOCUMENT	Location level definition of resolution method if the resolution type is automatic. If YES a fiscal document (RNF) is generated. If NO, a non-fiscal document is generated (credit note).	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	DISCR_RESOLUTION_TYPE	Location level control for discrepancy resolution option.	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_COST	Indicates the level of the document that is compared with the PO in POFDR Flow for Cost.	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_DISCOUNT	Indicates the level of the document that is compared with the PO in POFDR Flow for Discount.	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_FREIGHT	Indicates the level of the document that is compared with the PO in POFDR Flow for Freight.	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	MATCH_LEVEL _INSURANCE	Indicates the level of the document that is compared with the PO in POFDR Flow for Insurance.	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL _EXPENSES	Indicates the level of the document that is compared with the PO in POFDR Flow for Expenses.	LOCATION	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	ST_BREAK_NF_ IND	Indicates if the RTV must have ST tax in a separate NF. RFM behavior flag.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	ST_BALANCE_ AVG_IND	Indicates the use of weighted average for the ST tax recovery calculation based on the fiscal ledger documents consumed.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	LEDGER_BALA NCE_METHOD	Ledger balance method (LIFO, or FIFO) - Default: LIFO.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1 (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	NFE_MANIFEST_DAYS	Indicates the number of days to Manifest NFe Rejection.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_COST	Indicates the percentage rate of tolerance to be applied in the comparison of item cost between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_COST	Indicates the value of tolerance to be applied in the comparison of item cost between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_DISCOUNT	Indicates the percentage rate of tolerance to be applied in the comparison of discounts between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_DISCOUNT	Indicates the value of tolerance to be applied in the comparison of discounts between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_RATE_FREIGHT	Indicates the percentage rate of tolerance to be applied in the comparison of freight cost between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_FREIGHT	Indicates the value of tolerance to be applied in the comparison of freight cost between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_INSURANCE	Indicates the percentage rate of tolerance to be applied in the comparison of insurance between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_INSURANCE	Indicates the value of the tolerance to be applied in the comparison of insurance between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_EXPENSES	Indicates the percentage rate of tolerance to be applied in the comparison of expenses between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_VALUE_EXPENSES	Indicates the value of tolerance to be applied in the comparison of expenses between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_TAX	Indicates the percentage rate of tolerance to be applied in the comparison of taxes between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	TOLERANCE_VALUE_TAX	Indicates the value of tolerance to be applied in the comparison of taxes between NF and the system.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	TOLERANCE_RATE_TAX_RET	Indicates the percentage rate of tolerance to be applied in the comparison of taxes between NF and the system for retained taxes.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	TOLERANCE_VALUE_TAX_RET	Indicates the value of tolerance to be applied in the comparison of taxes between NF and the system for retained taxes.	LOCATION	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N

Table 2-1 (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	MD_ARRED	Indicates if the tax calculation should be rounded or truncated. In either case the result will be provided with 2 decimals (only for totals)	LOCATION	N	System Behavior: Y Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: N
BR	IE_ST_AC	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_AL	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_AM	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_AP	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	IE_ST_BA	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_CE	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_DF	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_ES	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_GO	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

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Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	IE_ST_MA	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: `N` Fiscal Document Use: `Y` Tax Calculation: `N` Fiscal Reporting: `Y`
BR	IE_ST_MG	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: `N` Fiscal Document Use: `Y` Tax Calculation: `N` Fiscal Reporting: `Y`
BR	IE_ST_MS	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: `N` Fiscal Document Use: `Y` Tax Calculation: `N` Fiscal Reporting: `Y`
BR	IE_ST_MT	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: `N` Fiscal Document Use: `Y` Tax Calculation: `N` Fiscal Reporting: `Y`
BR	IE_ST_PA	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: `N` Fiscal Document Use: `Y` Tax Calculation: `N` Fiscal Reporting: `Y`

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	IE_ST_PB	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_PE	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_PI	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_PR	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_RJ	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

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Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	IE_ST_RN	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_RO	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_RR	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_RS	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_SC	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	IE_ST_SE	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_SP	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE_ST_TO	State inscription as ST substitute (can be more than one depending on the state).	LOCATION	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	PESSOA_JURIDICA	Corporate taxpayer indicator.	SUPS	Y	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: Y
BR	CNPJ	Taxpayer ID for federal level tax authorities. Exclusive for corporate taxpayers.	SUPS	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	CPF	Taxpayer ID for federal level tax authorities. Exclusive for individual taxpayers.	SUPS	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IE	Taxpayer ID for state level tax authorities.	SUPS	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IND_IE	Indicates the type of State Inscription for the Recipient.	SUPS	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	CNAE	CNAE code (database attribute for other entities). Activity identification code for companies.	SUPS	Y	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	IM	Taxpayer ID for city level tax authorities.	SUPS	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	I_SUF	Specific free zone taxpayer code for exemption purposes.	SUPS	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	CRT	Define the taxpayer's taxation regime (Normal Regime or National Simples).	SUPS	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	CRT_SIMPLES_ALIQ	Percentage rate if the CRT equals the SIMPLES Contributor.	SUPS	C	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	FABRICANTE_DISTRIBUIDOR	Information for special tax regimes.	SUPS	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	FAIXA_FATURAMENTO_ANUAL	Is income range eligible.	SUPS	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	PRODUTOR_RURAL	Rural Producer indicator.	SUPS	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	REGIME_DIF	Internal tax regime code kept in `FDM_ATTRIB` for tax calculation only.	SUPS	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	MATCH_LEVEL_COST	Indicates the level of the document that is compared with the PO in POFDR Flow for Cost.	SUPS	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_DISCOUNT	Indicates the level of the document that is compared with the PO in POFDR Flow for Discount.	SUPS	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_FREIGHT	Indicates the level of the document that is compared with the PO in POFDR Flow for Freight.	SUPS	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	MATCH_LEVEL_INSURANCE	Indicates the level of the document that is compared with the PO in POFDR Flow for Insurance.	SUPS	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_EXPENSES	Indicates the level of the document that is compared with the PO in POFDR Flow for Expenses.	SUPS	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	AUTO_SUBMIT_RECEIPT	Y/N indicator to automatically submit for physical receipt if no discrepancy is found during NF validation.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_COST	Indicates the percentage rate of tolerance to be applied in the comparison of item cost between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_COST	Indicates the value of tolerance to be applied in the comparison of item cost between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_RATE_DISCOUNT	Indicates the percentage rate of tolerance to be applied in the comparison of discounts between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_DISCOUNT	Indicates the value of tolerance to be applied in the comparison of discounts between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_FREIGHT	Indicates the percentage rate of tolerance to be applied in the comparison of freight cost between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_FREIGHT	Indicates the value of tolerance to be applied in the comparison of freight cost between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_INSURANCE	Indicates the percentage rate of tolerance to be applied in the comparison of insurance between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_VALUE_INSURANCE	Indicates the value of tolerance to be applied in the comparison of insurance between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_EXPENSES	Indicates the percentage rate of tolerance to be applied in the comparison of expenses between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_EXPENSES	Indicates the value of tolerance to be applied in the comparison of expenses between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_TAX	Indicates the percentage rate of tolerance to be applied in the comparison of taxes between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	TOLERANCE_VALUE_TAX	Indicates the value of tolerance to be applied in the comparison of taxes between NF and the system.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_RATE_TAX_RET	Indicates the percentage rate of tolerance to be applied in the comparison of taxes between NF and the system for retained taxes.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	TOLERANCE_VALUE_TAX_RET	Indicates the value of tolerance to be applied in the comparison of taxes between NF and the system for retained taxes.	SUPS	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	PESSOA_JURIDICA	Corporate taxpayer indicator.	PARTNER	Y	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: Y
BR	CNPJ	Taxpayer ID for federal level tax authorities. Exclusive for corporate taxpayers.	PARTNER	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	CPF	Taxpayer ID for federal level tax authorities. Exclusive for individual taxpayers.	PARTNER	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

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Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	IE	Taxpayer ID for state level tax authorities.	PARTNER	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	IND_IE	Indicates the type of State Inscription for the Recipient.	PARTNER	C	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	CNAE	CNAE code (database attribute for other entities). Activity identification code for companies.	PARTNER	Y	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y
BR	IM	Taxpayer ID for city level tax authorities.	PARTNER	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y
BR	I_SUF	Specific free zone taxpayer code for exemption purposes.	PARTNER	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: N Fiscal Reporting: Y

Table 2-1 (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	CRT	Define the taxpayer's taxation regime (Normal Regime or National Simples).	PARTNER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	CRT_SIMPLES_ALIQ	Percentage rate if the CRT equals the SIMPLES Contributor.	PARTNER	C	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	FABRICANTE_DISTRIBUIDOR	Information for special tax regimes.	PARTNER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	FAIXA_FATURAMENTO_ANUAL	Is income range eligible.	PARTNER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	PRODUTOR_RURAL	Rural Producer indicator.	PARTNER	N	System Behavior: N Fiscal Document Use: Y Tax Calculation: Y Fiscal Reporting: Y

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	REGIME_DIF	Internal tax regime code kept in `FDM_ATTRIB` for tax calculation only.	PARTNER	N	System Behavior: N Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N
BR	MATCH_LEVEL_COST	Indicates the level of the document that is compared with the PO in POFDR Flow for Cost.	PARTNER	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_DISCOUNT	Indicates the level of the document that is compared with the PO in POFDR Flow for Discount.	PARTNER	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_FREIGHT	Indicates the level of the document that is compared with the PO in POFDR Flow for Freight.	PARTNER	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	MATCH_LEVEL_INSURANCE	Indicates the level of the document that is compared with the PO in POFDR Flow for Insurance.	PARTNER	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	MATCH_LEVEL_EXPENSES	Indicates the level of the document that is compared with the PO in POFDR Flow for Expenses.	PARTNER	Y	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	AUTO_SUBMIT_RECEIPT	Y/N indicator to automatically submit for physical receipt if no discrepancy is found during NF validation.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_COST	Indicates the percentage rate of tolerance to be applied in the comparison of item cost between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_COST	Indicates the value of tolerance to be applied in the comparison of item cost between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_DISCOUNT	Indicates the percentage rate of tolerance to be applied in the comparison of discounts between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1 (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_VALUE_DISCOUNT	Indicates the value of tolerance to be applied in the comparison of discounts between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_FREIGHT	Indicates the percentage rate of tolerance to be applied in the comparison of freight cost between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_FREIGHT	Indicates the value of tolerance to be applied in the comparison of freight cost between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_INSURANCE	Indicates the percentage rate of tolerance to be applied in the comparison of insurance between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_INSURANCE	Indicates the value of tolerance to be applied in the comparison of insurance between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_RATE_EXPENSES	Indicates the percentage rate of tolerance to be applied in the comparison of expenses between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_EXPENSES	Indicates the value of tolerance to be applied in the comparison of expenses between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_TAX	Indicates the percentage rate of tolerance to be applied in the comparison of taxes between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_VALUE_TAX	Indicates the value of tolerance to be applied in the comparison of taxes between NF and the system.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: N Fiscal Reporting: N
BR	TOLERANCE_RATE_TAX_RET	Indicates the percentage rate of tolerance to be applied in the comparison of taxes between NF and the system for retained taxes.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N

Table 2-1   (Cont.) Pre-defined Fiscal Attributes for Brazil

COUNTRY	CODE	DESCRIPTION	TEMPLATE	MANDATORY	Behavior
BR	TOLERANCE_VALUE_TAX_RET	Indicates the value of tolerance to be applied in the comparison of taxes between NF and the system for retained taxes.	PARTNER	N	System Behavior: Y Fiscal Document Use: N Tax Calculation: Y Fiscal Reporting: N

Fiscal Documents Management

In RFMCS, the main objective is the management of fiscal documents and the support of fiscal document receiving and generation.

RFMCS and its fiscal document management capabilities introduces the concept of workflow-based development for which the processing of a transaction is based on a sequence of events configured for each country/transaction/document type combination. With this approach, the business rules applied to the transactions are kept separated from the workflow processing components. Each step executed returns the output of the execution, the messages generated, validations and errors. All of it is visible on the screen, which gives the user a complete view of what happens in the process flow.

Workflows are not configurable to users and are made available as part of the product. A workflow is defined by country, transaction, and document type.

POFDR: Purchase Order Fiscal Document Receive

- **Country:** Brazil
- **Document Type:** Brazilian NFe – Model 55
- **Overview:** This workflow is meant to support the fiscal receiving of purchase orders that are associated with the Brazilian fiscal document "NFE".

Table 2-2   POFDR Workflow Steps

Step Group	Step Name	Step Summary
Document Receiving	Purchase Order Fiscal Document Receive	Initial step where the fiscal document is uploaded into the system.
	Validate Document Unicity	First validation to check duplicity.
	Deduce Key Data	Deduction of internal IDs for issuer and destination entities.

Table 2-2   (Cont.) POFDR Workflow Steps

Step Group	Step Name	Step Summary
	Validate Key Data	Validation of the deduced data.
	NFE Status Verification Request	Verification of NFE validity – Request to 3rd party.
	NFE Status Verification Response	Verification of NFE validity – Response from 3rd party.
Deduce Foundation Data	Deduce Foundation Data	Deduction of item and PO data.
	Validate Foundation Data	Validation of the deduced data.
Commercial Validation	Deduce Commercial Data	Deduction of PO costs and expenses.
	Validate Commercial Data	Validation of the deduced data.
	Match Document with PO	Match costs and expenses including tolerances.
Tax Validation	Tax Validate Request	Match taxes – Request to 3rd party tax engine.
	Tax Validate Response	Match taxes – Response from 3rd party tax engine.
Submit to Physical Receiving	Verify Auto Submit Setup	Check system behavior fiscal attributes.
	NFE Status Verification Request	Verification of NFE validity (optional) – Request to 3rd party.
	NFE Status Verification Response	Verification of NFE validity – Response from 3rd party.
	Generate ASNIN Data	Generation of ASNIN data.
	Update Merchandise ASNIN Data	Update MFCS with ASNIN data.
	Verify Location Type	Check system behavior fiscal attributes.
	Submit to Physical Receipt Warehouse	Post ASNIN to integration table.
	Submit to Physical Receipt Store	Push ASNIN to SIOCS if the location is a store.
Process Receipt	Consume Receipt Message	Consume `RECEIPT` message from SIOCS/WMS through MFCS.
	Process Receipt Message	Match receipt quantities.
	Verify Overage Report Data	Check if any overage quantity was informed and generate overage report data.

Table 2-2   (Cont.) POFDR Workflow Steps

Step Group	Step Name	Step Summary
	Verify Return Discrepancy Document Type	Check system behavior fiscal attributes.
	Generate Credit Note Data	Check if any return quantity was informed and generate credit note data depending on the location fiscal attribute.
	Generate RNF Data	Check if any return quantity was informed and generate return NF data depending on the location fiscal attribute.
	Return Document Request	Check if any return quantity was informed and request a document generation to FDG..
Tax Account	Tax Account Request	Request accounting taxes – Request to 3rd party tax engine.
	Tax Account Response	Request accounting taxes – Response from 3rd party tax engine.
	Create Tax Account Data	Update accounting tax data into the document.
	Calculate Receiving Cost	Calculate the receiving cost considering the accounting tax data (credits).
Update Fiscal Ledger	Create Fiscal Ledger Data	Update fiscal ledger with the document data.
	Update Fiscal Ledger In	Update document with fiscal ledger IDs.
Update Inventory	Update Inventory	Update MFCS inventory.
Generate Transaction Codes	Update Financial Postings	Apply transaction codes setup and generate transaction data for the document.
Manifest Document	Update Manifest Data	Generate recipent-manifest-related data confirming the receiving of the document.
	Update Reject Manifest Data	Generate recipent-manifest-related data if the document was rejected.
	Nfe Reject Manifest	Check system behavior fiscal attributes – Manifest days.

Table 2-2   (Cont.) POFDR Workflow Steps

Step Group	Step Name	Step Summary
	Nfe Manifest Request	Call 3rd party system for recipient manifest events - Request.
	Nfe Manifest Response	Call 3rd party system for recipient manifest events - Response.
POFDR Process Closure	Create Fiscal Report Data	Generate fiscal report data to be available to external systems.
	Pre Archive Document	Convert document to the archive data format.
	Archive Document	Move document to archive repository.
	Validate Document Reject	Check if document was rejected to update final step accordingly.
	POFDR Workflow Completed	Update document to final workflow step if the receipt is completed.
	POFDR Workflow Terminated	Update document to final workflow step if the receipt is not completed (that is, the document is rejected or deleted).

3

Integration
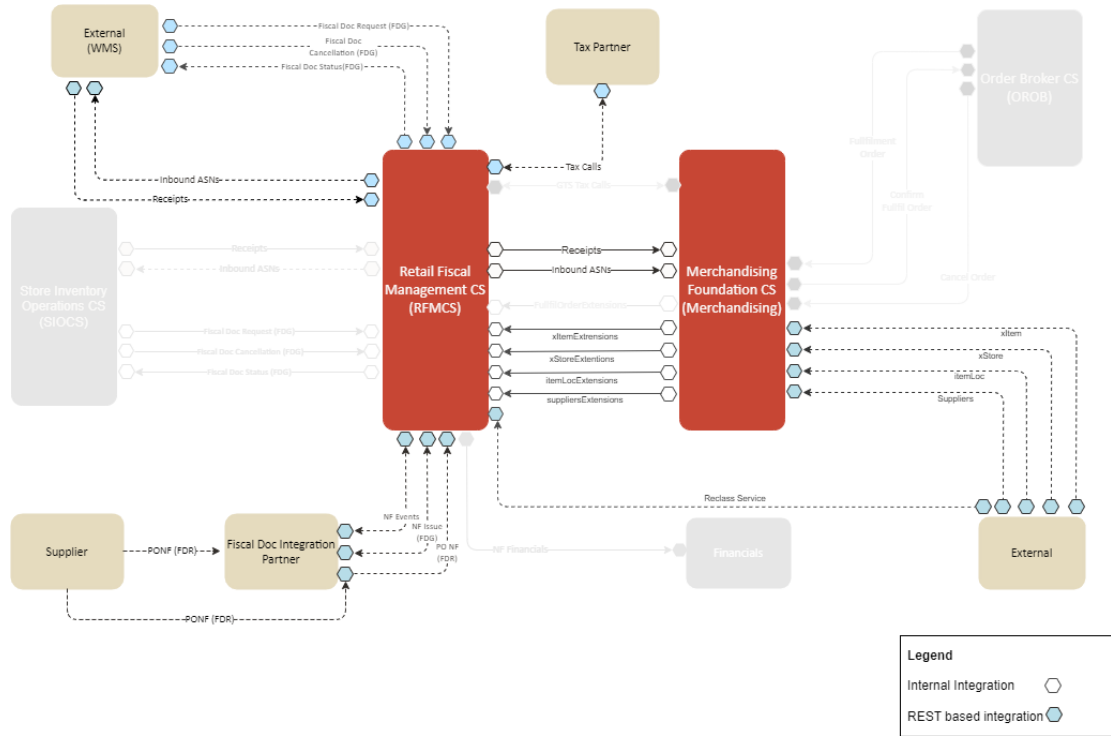
Retail Fiscal Management Integration Overview

Retail Fiscal Management Cloud Service integration flows comprise a set of REST services that support the configuration of fiscal attributes and the fiscal classification of items and entities, as well as the services that support the receiving of fiscal documents.

In addition to these services, the Merchandising Foundation data subscription APIs also have extensions that allow the creation of foundation data already associated with fiscal attributes. The Merchandising APIs with this extension are:

Item Subscription API: This API subscribes to items from external systems to create, update or delete items in Merchandising. It also supports the insertion of data into the Item Induction staging tables.

Item Location Subscription API: This API subscribes to item/location data from external systems to create or modify item location combinations in Merchandising. Item/location relationships are created for an item and a single location, or by using one of the levels of the organizational hierarchy.

Store Subscription API: The Store Subscription API provides the ability to keep store data in Merchandising in sync with an external system if Merchandising is not being used as the system of record for organizational hierarchy information. The store data handled by the API

includes basic store data, in addition to addresses, store hours, location traits, up-charges, and walk-through stores.

Vendor Subscription API (Suppliers and Partners): Merchandising subscribes to vendor information that is published from an external financial application; however, this API is not used by Oracle Retail Financial Integration (RFI). "Vendor" can refer to either a partner or a supplier

ReSTful Web Services

Create or Update Fiscal Attributes Service

This section describes the Fiscal Data Management Services

Functional Area

Fiscal Management

Business Overview

This service creates or updates fiscal attributes and their parameters. It is published to support the creation of user-defined fiscal attributes and includes a parameter for action with possible values of create (`NEW`) or update (`MOD`).

Service Type

Post

ReST URL

```
{{baseUrl}}/services/private/fdm/fiscalAttributes/create?action=xxx
```

Input

Parameter Name	Required	Data Type	Description	Valid values
action	Yes	String	Requested action.	`NEW`, `MOD`
attributes	Yes	List<RestRfmFdmSetFa>	Collection of Attributes.	

Table 3-1   RestRfmFdmSetFa

Parameter Name	Required	Data Type	Description	Valid values
code	Yes	String	User-defined code for the attribute in snake case format. This code is normally the "name" of the attribute. For example, `TAX_PAYER_TYPE`	
camelCase	Yes	String	User-defined code for the attribute in camel case format. The camel case format is used when associating the attribute to JSON and/or XML data structures used in RFMCS. For example, `taxPayerType`	
label	Yes	String	Contains the name of the attribute displayed on Fiscal Data Management Screens.	
description	Yes	String	Contains the description of the attribute displayed on Fiscal Data Management Screens.	
template	Yes	String	Merchandise entity with which the attribute is associated	`ITEM_MASTER`, `ITEM_LOC`, `ITEM_SUPPLIER`, `LOCATION`, `SUPS`, `PARTNER`
country	Yes	String	Country code from `COUNTRY` table in Merchandising	
effectiveFromDate	No	Date	Date from when the attribute is made available	
effectiveToDate	No	Date	Date until when the attribute is made available.	

Table 3-1 (Cont.) RestRfmFdmSetFa

Parameter Name	Required	Data Type	Description	Valid values
systemBehavior	No	String	Indicates a system behavior is applied based on this attribute. The system behaviors associated to fiscal attributes are defined in RFMCS for each workflow/transaction. This parameter is used as a filter for these behaviors to be applied.	Y or N
fiscalDocumentUse	No	String	Indicates the attribute is used in fiscal reporting scenarios as additional information to be included. RFMCS data is made available for fiscal reporting and fiscal attributes with this parameter and is automatically included in the set of data to be exposed.	Y or N
taxCalculation	No	String	Indicates the attribute is used in tax calculation scenarios as additional information to be included. The tax calculation scenario under the scope of RFMCS automatically fetches fiscal attributes with this parameter and includes in the tax request payloads made available for taxation integration.	Y or N
fiscalReporting	No	String	Indicates the attribute is used in fiscal reporting scenarios as additional information to be included. RFMCS data is made available for fiscal reporting and fiscal attributes with this parameter and is automatically included in the set of data to be exposed.	Y or N
userDefinedInd	No	String	Indicates the attribute is user-defined.	Y or N

Table 3-1 (Cont.) RestRfmFdmSetFa

Parameter Name	Required	Data Type	Description	Valid values
groupCode	Yes	String	Code from the group code list. It is used to group attributes on Fiscal Data Management screens	1 – Fiscal Codes, 2 – System Behavior, 3 – Tax Inscriptions, 4 – User defined
screenSeq	Yes	Number	The numeric sequence used to order the fiscal attributes on Fiscal Data Management screens. It is recommended to extract the existing attributes, if any, before determining the sequence of new attributes.	
mandatory	Yes	String	Indicates the attribute is mandatory. All mandatory attributes are required to be included in the association to entities or items for them to be considered ready to use or to be displayed with the green status of "with attributes" on Fiscal Data Management screens.	Y or N
dataType	Yes	String	Attribute data type	VARCHAR, NUMBER, DATE
dataLength	Yes	String	Attribute data length	
attributeType	No	String	Attribute type to indicate if the attribute has a list of values or if it has a fixed value:	DATALIST: list of codes provided externally (NCM, CEST codes) FIXVALUE: value to be informed that doesn´t belong to any list

Table 3-1   (Cont.) RestRfmFdmSetFa

Parameter Name	Required	Data Type	Description	Valid values
listSource	No	String	If the attribute type is `DATALIST`, the source of the list must be included in this parameter.	`MFCS` (when the list is a table/column in Merchandising), `INTERNAL` (when the list has a set of codes defined internally for the application), `EXTERNAL` (when the list has a set of codes provided by external sources such as legal authorities or third-party partners)
listCode	No	String	If the attribute type is `DATALIST`, and the list source is `INTERNAL`or `EXTERNAL`, the list name must be included in this parameter. The content of the list of values is managed by the Create and Modify Fiscal Attribute List service.	
listTableName	No	String	If the attribute type is `DATALIST` and the list source is `MFCS`, this parameter must have the name of the Merchandising table from which the list of values is fetched.	
listCodeColumn	No	String	If the attribute type is `DATALIST` and the list source is `MFCS`, this parameter must have the name of the column from the Merchandising table included.	

Table 3-1   (Cont.) RestRfmFdmSetFa

Parameter Name	Required	Data Type	Description	Valid values
listDescColumn	No	String	If the attribute type is `DATALIST` and the list source is `MFCS`, this will indicate the table column name from where the attribute description is fetched in the Merchandising database.	
parentAttribCode	No	String	Code of the parent attribute. This parameter allows the association between attributes in a hierarchical mode. Attributes with this association depend on the parent attribute to be selected for the child attribute to be applied on Fiscal Data Management Screens.	
functionValidation	No	String	Name of the function which has validation logic to be applied during the fiscal classification while choosing the attribute. This parameter allows only a pre-defined set of functions to be included. Anything different from those functions is ignored. Refer to the "List of Functions Available for the `functionValidation` Parameter" table for a list of available functions.	

Table 3-1   (Cont.) RestRfmFdmSetFa

Parameter Name	Required	Data Type	Description	Valid values
levelValidation	No	String	SQL condition to be executed to allow the selection of the attribute. For example, `ATTRIBUTE1 = 'Y'`. In this case, the attribute being configured is available for the fiscal classification only if another attribute name `ATTRIBUTE1` has the value `Y` already present in the current item or entity. Only simple condition rules are supported for this parameter. The validation for this parameter considers a query for the item/entity being classified and a `WHERE` clause where the content of this attribute is executed.	
uniqueInd	Yes	String	Indicates the attribute value is unique and cannot be repeated in any item or entity. It is possible that the same attribute may be repeated for the same item/entity with different values, but if this parameter is set to `Y` (yes) only one value is allowed for the attribute to a given item/entity.	`Y` or `N`

Table 3-2   List of Functions Available for the functionValidation Parameter

Function Name	Country	Description
rfm_fdm_val_fiscal_content_sql.validate_cnpj_digit	BR	Digit calculation for BR corporate taxpayer ID
rfm_fdm_val_fiscal_content_sql.validate_cpf_digit	BR	Digit calculation for BR individual taxpayer ID
rfm_fdm_val_fiscal_content_sql.validate_ie	BR	Digit calculation for state inscription ID based on Fiscal Address

Table 3-2   (Cont.) List of Functions Available for the functionValidation Parameter

Function Name	Country	Description
rfm_fdm_val_fiscal_content_sql.validate_ie_ac	BR	Digit calculation for state inscription in the state of Acre-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_al	BR	Digit calculation for state inscription in the state of Alagoas-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_am	BR	Digit calculation for state inscription in the state of Amazonas-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_ap	BR	Digit calculation for state inscription in the state of Amapa-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_ba	BR	Digit calculation for state inscription in the state of Bahia-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_ce	BR	Digit calculation for state inscription in the state of Ceara-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_df	BR	Digit calculation for state inscription in the Federal District-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_es	BR	Digit calculation for state inscription in the state of Espirito Santo-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_go	BR	Digit calculation for state inscription in the state of Goias-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_ma	BR	Digit calculation for state inscription in the state of Maranhao-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_mg	BR	Digit calculation for state inscription in the state of Minas Gerais-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_ms	BR	Digit calculation for state inscription in the state of Mato Grosso do Sul-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_mt	BR	Digit calculation for state inscription in the state of Mato Grosso-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_pa	BR	Digit calculation for state inscription in the state of Para-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_pb	BR	Digit calculation for state inscription in the state of Paraiba-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_pe	BR	Digit calculation for state inscription in the state of Pernambuco-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_pi	BR	Digit calculation for state inscription in the state of Piaui-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_pr	BR	Digit calculation for state inscription in the state of Parana-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_rj	BR	Digit calculation for state inscription in the state of Rio de Janeiro-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_rn	BR	Digit calculation for state inscription in the state of Rio Grande do Norte-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_ro	BR	Digit calculation for state inscription in the state of Rondonia-BR
rfm_fdm_val_fiscal_content_sql.validate_ie_rr	BR	Digit calculation for state inscription in the state of Roraima-BR

Table 3-2   (Cont.) List of Functions Available for the functionValidation Parameter

Function Name	Country	Description
rfm_fdm_val_fiscal_content_sql.vali date_ie_rs	BR	Digit calculation for state inscription in the state of Rio Grande do Sul-BR
rfm_fdm_val_fiscal_content_sql.vali date_ie_sc	BR	Digit calculation for state inscription in the state of Santa Catarina-BR
rfm_fdm_val_fiscal_content_sql.vali date_ie_se	BR	Digit calculation for state inscription in the state of Sergipe-BR
rfm_fdm_val_fiscal_content_sql.vali date_ie_sp	BR	Digit calculation for state inscription in the state of Sao Paulo-BR
rfm_fdm_val_fiscal_content_sql.vali date_ie_to	BR	Digit calculation for state inscription in the state of Tocantins-BR

JSON Input Structure

```
"{
     "code": "ABRANGENCIA",
     "camelCase": "abrangencia",
     "label": "Abrangencia",
     "description": "Abrangencia do Item (valido: N - Nacional; E -
Estadual; M - Municipal",
     "template": "ITEM_MASTER",
     "country": "BR",
     "availabilityStatus": "ACTIVE",
     "effectiveFromDate": "2023-05-16T00:00:00.000Z",
     "effectiveToDate": "",
     "systemBehavior": null,
     "fiscalDocumentUse": null,
     "taxCalculation": null,
     "fiscalReporting": null,
     "userDefinedInd": "N",
     "groupCode": "1",
     "screenSeq": "14",
     "required": "Y",
     "mandatory": "Y",
     "dataType": "VARCHAR",
     "dataLength": "1",
     "attributeType": "DATALIST",
     "listSource": "FDM",
     "listCode": "itemAbrangenciaList",
     "listTableName": null,
     "listCodeColumn": null,
     "listDescColumn": null,
     "parentAttribCode": "",
     "functionValidation": "",
     "levelValidation": "",
     "uniqueInd": "Y"
  }"
```

Output

Parameter Name	Data Type	Description
status	String	Status of the processing executed: E (ERROR) or S (SUCCESS).
errors	List<RestRfmFdmError>	Collection of errors.

Table 3-3   RestRfmFdmError

Parameter Name	Data Type	Description
errorCode	String	This field contains the error code.
errorDesc	String	This field contains the error description.

JSON Structure

```
"{
   "status": "S",
   "errors": null
}"
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_FDM_SET_FA	Yes	Yes	Yes	No
COUNTRY	Yes	No	No	No
RFM_FDM_LIST	Yes	No	No	No

Create or Update Fiscal Attribute Lists Service

Functional Area

Fiscal Management

Business Overview

The processFiscalAttrList service creates or updates the valid list of codes associated with a previously created fiscal attribute.

The service has a parameter for action with the possible values create (NEW) or update (MOD).

Service Type

Post

ReST URL

```
{{baseUrl}}/services/private/fdm/fiscalAttributesLists/create?
action=xxx
```

Input

Parameter Name	Required	Data Type	Description	Valid values
action	Yes	String	Requested action.	`NEW`, `MOD`
attributes	Yes	List<RestRfmFdmList>	Collection of Attributes List.	

Table 3-4   RestRfmFdmList

Parameter Name	Required	Data Type	Description	Valid values
codeType	Yes	String	Indicates the code of the list. This is the same code included in the Fiscal Attributes Creation service in the parameter `listCode`.	
code	Yes	String	Indicates the code of the attribute value in the list. If the list has values from `1` to `10`, this parameter holds the value `1` and it is repeated up to `10`.	
codeDesc	Yes	String	Contains the description of the value informed.	
codeSeq	Yes	Number	Contains the numeric sequence of the values in the list. This parameter always starts with 1 and goes up to the last value created.	
parentCodeType	No	String	Name of the parent list code. This parameter allows the association between attribute lists in a hierarchical mode. Lists with this association depend on the parent list selected for the child list to be applied on Fiscal Data Management Screens.	

Table 3-4   (Cont.) RestRfmFdmList

Parameter Name	Required	Data Type	Description	Valid values
parentCode	No	String	Code of the parent list value. This parameter allows the association between list values in a hierarchical mode. Attributes with this association depend on the parent list value selected for the child attribute to be applied on Fiscal Data Management Screens.	
userDefinedInd	Yes	String	Indicates the attribute is user-defined.	Y or N
effectiveFromDate	No	OffsetDateTime	Date from when the attribute is made available.	
effectiveToDate	No	OffsetDateTime	Date until when the attribute is made available.	

JSON Input Structure

```
"{
    "codeType": "itemAbrangenciaList",
    "code": "H",
    "codeDesc": "Test Doc FDM Services",
    "codeSeq": 4,
    "parentCodeType": "",
    "parentCode": "",
    "userDefinedInd": "N",
    "effectiveFromDate": "2023-05-16T13:25:23.525Z",
    "effectiveToDate": "2023-05-16T13:25:23.525Z"

}"
```

Output

Parameter Name	Data Type	Description
status	String	Status of the processing executed: E (ERROR) or S (SUCCESS).
errors	List<RestRfmFdmError>	Collection of errors.

Table 3-5   RestRfmFdmError

Parameter Name	Data Type	Description
errorCode	String	This field contains the error code.
errorDesc	String	This field contains the error description.

JSON Structure

```
"{
   "status": "S",
   "errors": null
}"
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_FDM_LIST	Yes	Yes	Yes	No

Fiscal Reclassification Request Service

Functional Area

Fiscal Management

Business Overview

This service performs fiscal classification or reclassification.

It associates fiscal attributes with items and entities and has a parameter for the requested source with the possible values `MFCS`, `UI` and `Webservice`

Service Type

Post

ReST URL

```
{{baseUrl}}/services/private/fdm/reclass/create?requestSource=xxx
```

Input

Parameter Name	Required	Data Type	Description	Valid values
requestSource	Yes	String	Reclass origin: `MFCS` - Indicates the reclass came from RIB, `UI` - Reclass came from FDM UI, `Webservice` - Reclass came from webservice call.	`MFCS`, `UI` and `Webservice`.
attributes	Yes	List<RestRfmFdmFiscRecl>	Collection of `SVC_RFM_FISCAL_RECL ASS` data.	

Table 3-6   RestRfmFdmFiscRecl

Parameter Name	Required	Data Type	Description	Valid values
reclassId	Yes	Number	For modify or delete actions, the referenced reclass ID must be sent. Not required for new records.	
seqNo	Yes	Number	For modify or delete actions, the referenced reclass sequence number must be sent. Not required for new records.	
reclassAction	Yes	String	Drives the process of the service in FDM. `NEW` – Add new records, `MOD` – Update existing records, `DEL` – delete existing records (only non-processed records)	`NEW` `MOD` `DEL`
reclassTemplate	Yes	String	Determines the structure with which the attribute is made available. Valid values:	`ITEM_MASTER`, `ITEM_LOC`, `ITEM_SUPPLIER`, `LOCATION`, `SUPS`, `PARTNER`
country	Yes	String	Country code from `COUNTRY` table in Merchandising	

Table 3-6   (Cont.) RestRfmFdmFiscRecl

Parameter Name	Required	Data Type	Description	Valid values
item	No	String	For `ITEM_MASTER`: this key must have the item code For `ITEM_LOC`: this key must have the item code For `ITEM_SUPPLIER`: this key must have the item code For `LOCATION`: not applied For `SUPS`: not applied For `PARTNER`: not applied	
loc	No	String	For `ITEM_MASTER`: not applied For `ITEM_LOC`: not applied For `ITEM_SUPPLIER`: not applied For `LOCATION`: this key must have the location code For `SUPS`: not applied For `PARTNER`: not applied	
locType	Yes	String	For `ITEM_MASTER`: not applied For `ITEM_LOC`: this key must have the location type (`S`, `W`) For `ITEM_SUPPLIER`: not applied For `LOCATION`: this key must have the location type (`S`, `W`) For `SUPS`: not applied For `PARTNER`: not applied	

Table 3-6   (Cont.) RestRfmFdmFiscRecl

Parameter Name	Required	Data Type	Description	Valid values
sups	No	String	For `ITEM_MASTER`: not applied For `ITEM_LOC`: not applied For `ITEM_SUPPLIER`: not applied For `LOCATION`: not applied For `SUPS`: this key must have the supplier site code For `PARTNER`: not applied	
partner	No	String	For `ITEM_MASTER`: not applied For `ITEM_LOC`: not applied For `ITEM_SUPPLIER`: not applied For `LOCATION`: not applied For `SUPS`: not applied For `PARTNER`: this key must have the partner code	
partnerType	No	String	For `ITEM_MASTER`: not applied For `ITEM_LOC`: not applied For `ITEM_SUPPLIER`: not applied For `LOCATION`: not applied For `SUPS`: not applied For `PARTNER`: this key must have the partner type	
attribute	Yes	String	Attribute code. Must be an existing and active attribute.	
attribValue	Yes	String	Attribute value. Must be an existing and active attribute value.	
startDate	Yes	String	Date from when the attribute association is made available	

Table 3-6　(Cont.) RestRfmFdmFiscRecl

Parameter Name	Required	Data Type	Description	Valid values
endDate	No	String	Date from when the attribute association is made available	

JSON Input Structure

```
"{
   "reclassAction": "NEW",
   "reclassStatus": "N",
   "country": "BR",
   "reclassTemplate": "SUPS",
   "item": "100000260",
   "loc": null,
   "locType": null,
   "sups": 790011,
   "partner": null,
   "partnerType": null,
   "attribValue": "S",
   "attribute": "PESSOA_JURIDICA",
   "startDate": "2023-05-16",
   "endDate": ""
}"
```

Output

Parameter Name	Data Type	Description
status	String	Status of the processing executed: E (ERROR) or S (SUCCESS).
errors	List<RestRfmFdmError>	Collection of errors.

Table 3-7　RestRfmFdmError

Parameter Name	Data Type	Description
errorCode	String	This field contains the error code.
errorDesc	String	This field contains the error description.

JSON Structure

```
"{
   "status": "S",
   "errors": null
}"
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
SVC_RFM_FDM_FISCAL_RECLASS	Yes	Yes	Yes	Yes
RFM_WFLW_ERR	Yes	No	No	No

Fiscal Attributes Request Service

Functional Area

Fiscal Management

Business Overview

This service exports fiscal classification data for items and entities.

Service Type

Get

ReST URL

```
{{baseUrl}}/services/private/fdm/fiscalAttributes/get?
entity=<string>&country=<string>&groupCode=<string>
```

Input Parameters

Parameter Name	Required	Data Type	Description	Valid values
entity	Yes	String	Template of fiscal attribute association	`ITEM_MASTER`, `ITEM_LOC`, `ITEM_SUPPLIER`, `LOCATION`, `SUPS`, `PARTNER`
country	No	String	Country ID.	
groupCode	No	Number	Group code for fiscal attributes.	

Output

Parameter Name	Data Type	Description
code	String	User-defined code for the attribute in snake case format.
camelCase	String	User-defined code for the attribute in camel case format.

Parameter Name	Data Type	Description
label	String	Attribute label displayed on FDM screens.
description	String	Attribute label displayed on FDM screens.
template	String	Merchandise entity with which the attribute is associated.
country	String	Country code from COUNTRY table in Merchandising.
effectiveFromDate	OffsetDateTime	Date from when the attribute is made available.
effectiveToDate	OffsetDateTime	Date until when the attribute is made available.
systemBehavior	String	Indicates the attribute has an impact on a specific system behavior or functionality.
fiscalDocumentUse	String	Indicates the attribute is used in fiscal document generation processes as additional information to be included.
taxCalculation	String	Indicates the attribute is used in tax calculation scenarios as additional information to be included.
fiscalReporting	String	Indicates the attribute is used in fiscal reporting scenarios as additional information to be included.
userDefinedInd	String	Indicates the attribute is user-defined
groupCode	String	Code from the group code list. It is used to group attributes on FDM screens.
screenSeq	Number	Numeric sequence used to order the fiscal attributes on FDM screens.
mandatory	String	Indicates the attribute is mandatory.
dataType	String	Attribute data type.
dataLength	String	Attribute data length.
attributeType	String	Attribute type to indicate if the attribute has a list of values or if it has a fixed value.
listSource	String	Source of the list of values.
listCode	String	Name of the list of values.
listTableName	String	If the source list is MFCS, this indicates the table name in the Merchandising database.

Parameter Name	Data Type	Description
listCodeColumn	String	If the source list is MFCS, this indicates the table column name from which the attribute code is fetched in the Merchandising database.
listDescColumn	String	If the source list is MFCS, this indicates the table column name from which the attribute description is fetched in the Merchandising database.
parentAttribCode	String	Code of the parent attribute.
functionValidation	String	Name of the function that has the validation logic. This field is used for specific blocks of code applied to the attribute when being processed, created, or associated with entities during the Reclass process.
levelValidation	String	Conditional validation rules. It is configured based on code, operator, and value.
uniqueInd	String	Indicates the attribute value is unique and cannot be repeated in any item or entity.

JSON Structure

```
"{
  "code": "PESSOA_JURIDICA",
  "camelCase": "pessoaJuridica",
  "label": "Corporate Taxpayer Ind",
  "description": "Corporate taxpayer indicator.",
  "template": "SUPS",
  "country": "BR",
  "effectiveFromDateDisplay": "16-May-2023 13:58:14",
  "effectiveFromDate": 1684245494000,
  "effectiveToDate": null,
  "systemBehavior": null,
  "fiscalDocumentUse": null,
  "taxCalculation": "Y",
  "fiscalReporting": "Y",
  "userDefinedInd": "N",
  "groupCode": "1",
  "screenSeq": 1,
  "mandatory": "Y",
  "dataType": "VARCHAR",
  "dataLength": "1",
  "attributeType": "DATALIST",
  "listSource": "INTERNAL",
  "listCode": "simOuNaoLista",
  "listTableName": null,
  "listCodeColumn": null,
```

```
    "listDescColumn": null,
    "parentAttribCode": null,
    "functionValidation": null,
    "levelValidation": null,
    "uniqueInd": "N"
}"
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_FDM_SET_FA	Yes	No	No	No
RFM_FDM_SET_FA_TL	Yes	No	No	No

Fiscal Attributes Lists Request Service

Functional Area

Fiscal Management

Business Overview

This service exports fiscal attribute lists.

Service Type

Get

ReST URL

```
{{baseUrl}}/services/private/fdm/fiscalAttributesLists/get?
template=<string>&attribCode=<string>&attribList=<string>&attribListVal
ue=<string>
```

Input Parameters

Parameter Name	Required	Data Type	Description	Valid values
template	Yes	String	Template of fiscal attribute association.	`ITEM_MASTER`, `ITEM_LOC`, `ITEM_SUPPLIER`, `LOCATION`, `SUPS`, `PARTNER`
attribCode	Yes	String	Attribute Code.	
attribList	No	String	Attribute list code.	
attribListValue	No	String	Attribute list code value.	

Output

Parameter Name	Data Type	Description
O_response	List<RestRfmFdmAttri bLst>	Collection of List.

Parameter Name	Data Type	Description
code	String	This field contains the code used in Oracle Retail which can be decoded.
code_desc	String	This field contains the description associated with the code and code type.
Label	String	Field label for screen representation (UI).

Table 3-8   RestRfmFdmAttribLst

Parameter Name	Required	Data Type	Description
codeType	Yes	String	Indicates the code of the list. This is the same code included in the Create or Update Fiscal Attributes Service parameter `listCode`.
code	Yes	String	Indicates the code of the attribute value in the list. If the list has values from 1 to 10, this parameter holds the value 1 and it is repeated up to 10.
codeDesc	Yes	String	Contains the description of the value informed.
codeSeq	Yes	Number	Contains the numeric sequence of the values in the list. This parameter always starts with 1 and goes up to the last value created.
parentCodeType	No	String	Name of the parent list code. This parameter allows the association between attribute lists in a hierarchical mode. Lists with this association depend on the parent list selected for the child list to be applied on Fiscal Data Management Screens.
parentCode	No	String	Code of the parent list value. This parameter allows the association between list values in a hierarchical mode. Attributes with this association depend on the parent list value selected for the child attribute to be applied on Fiscal Data Management Screens.
userDefinedInd	Yes	String	Indicates the attribute is user-defined.

Table 3-8   (Cont.) RestRfmFdmAttribLst

Parameter Name	Required	Data Type	Description
effectiveFromDate	No	OffsetDateTime	Date from when the attribute is made available.
effectiveToDate	No	OffsetDateTime	Date until when the attribute is made available.

JSON Structure

```
"[
  {
    "codeType": "yesOrNoList",
    "code": "Y",
    "codeDesc": "Yes",
    "codeSeq": 1,
    "parentCodeType": "yesOrNoList",
    "parentCode": "Y",
    "userDefinedInd": "N",
    "effectiveFromDateDisplay": "11-Jul-2023 19:58:00",
    "effectiveFromDate": 1689105480000,
    "effectiveToDate": null
  },
  {
    "codeType": "yesOrNoList",
    "code": "N",
    "codeDesc": "No",
    "codeSeq": 2,
    "parentCodeType": "yesOrNoList",
    "parentCode": "N",
    "userDefinedInd": "N",
    "effectiveFromDateDisplay": "11-Jul-2023 19:58:00",
    "effectiveFromDate": 1689105480000,
    "effectiveToDate": null
  }
]"
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_FDM_SET_FA	Yes	No	No	No
RFM_FDM_SET_FA_TL	Yes	No	No	No
RFM_FDM_LIST	Yes	Yes	No	No
RFM_FDM_LIST_TL	Yes	No	No	No
SVC_RFM_FDM_FISCAL_RECLASS	Yes	Yes	No	No
RFM_FDM_ATTRIB_ITEM	Yes	No	Yes	No

Process Flex Integration Create Service

Functional Area

Fiscal Management

Business Overview

This service creates or updates fiscal documents in the RFMCS Fiscal Document Management feature.

Service Type

Post

ReST URL

```
{{baseUrl}}/services/private/flx/integration/create
```

Input

Parameter Name	Required	Data Type	Description	Valid values
intPrefix	Yes	String	Document`s Workflow Scenario code.	
intVersion	Yes	String	Integration Flow Version number.	
intRelease	Yes	String	Integration Flow release number.	
intCode	No	Number	Internal unique ID for the integration record.	
intCodeRef	No	Number	Reference integration ID for the integration record used in response flows.	
intRequestSystem	No	String	This field contains the identification name of system that is requesting the integration.	
intKeys	No	intKeys	Group of data with status and attributes of the integration record.	

Parameter Name	Required	Data Type	Description	Valid values
intBody	Yes	String	Payload of the document or document data in scope for the integration scenario.	

The `flxIntegration/IntKeys` node has the following parameters:

Table 3-9   IntKeys

Parameter Name	Required	Description	Valid values
Status	Yes		
msgAttributes	No	attribCode/attribValue structure to provide additional information.	

The `flxIntegration/intKeys/msgAttributes` node has the following parameters:

Table 3-10   msgAttributes

Parameter Name	Required	Description	Valid values
attribCode	No		
attribValue	No		
errors	No	Collection of errors	

The `flxIntegration/intKeys/msgAttributes/errors` node has the following parameters:

Table 3-11   errors

Parameter Name	Required	Description	Valid values
errorCode	No	This field contains the error code.	
errorDesc	No	This field contains the error description.	

XML Input Structure:

Example for the workflow POFDR, scenario `processDocumentReceive` that creates a fiscal document in RFMCS for fiscal receiving based on the Brazilian NFE invoice.

```
 <?xml version="1.0" encoding="UTF-8"?>
<flxIntegration xmlns="http://www.oracle.com/retail/flx/integration/
v1">
   <intPrefix>poFiscalDocumentReceive</intPrefix>
   <intVersion>1</intVersion>
   <intRelease>24.0.101</intRelease>
   <intCode>sourceSystemInternalId</intCode>
   <intCodeRef/>
   <intRequestSystem>supplierSystem</intRequestSystem>
```

```
    <intKeys/>
    <intBody>BrazilianNFExmlCompletePayload</intBody>
</flxIntegration>
```

Output

Parameter Name	Data Type	Description
Record	RestRfmOpInt	Output of operation.

Table 3-12   RestRfmOpInt

Parameter Name	Data Type	Description
Status	String	Status of the processing executed: E (ERROR) or S (SUCCESS).
intId	Number	Unique document code.
docId	Number	Document ID.
wfStatusCode	String	Processing status. Valid values are (START, SUCCESS, FAIL, WARNING).
wfStatusDesc	String	Description of the processing status (wfStatusCode).
errors	List<RestRfmError>	Collection of errors.

Table 3-13   RestRfmError

Parameter Name	Data Type	Description
errorCode	String	This field contains the error code.
errorDesc	String	This field contains the error description.
seqNo	Number	Error sequence number.

XML Structure

Example for the workflow POFDR

```
<Record>
  <status>E</status>
  <intId>2886</intId>
  <docId>914</docId>
  <wfStatusCode>ERROR</wfStatusCode>
  <wfStatusDesc>Deduce Key Data Technical Exception</wfStatusDesc>
  <errors>
    <item>
      <errorCode>PACKAGE_ERROR</errorCode>
      <errorDesc>User <username> does not have required access to perform
changes to location 8801. Please contact an administrator user.</errorDesc>
      <seqNo/>
    </item>
```

```
        </errors>
</Record>
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_CODE_DETAIL	Yes	No	No	No
RFM_CODE_DETAIL_TL	Yes	No	No	No
RFM_WFLW_ERR	Yes	No	No	No
RFM_WFLW_SET	Yes	No	No	No
RFM_WFLW_STA_LOG	Yes	Yes	Yes	No
RFM_FLX_DOC_FDR	Yes	Yes	Yes	Yes
RFM_WFLW_DEF	Yes	No	No	No
RFM_FLX_DOC_FDG	Yes	Yes	Yes	No
RFM_FLX_DOC_FDR_HIST	Yes	Yes	Yes	No
RFM_FLX_DOC_FDG_HIST	Yes	Yes	Yes	Yes
RFM_FLX_DOC_FDR_DATA_XML	Yes	Yes	Yes	Yes
RFM_FLX_DOC_FDR_DATA_XML_HIST	No	Yes	Yes	Yes
RFM_FLX_DOC_FDG_DATA	No	No	No	Yes
RFM_FLX_DOC_FDG_DATA_XML_HIST	No	Yes	Yes	Yes
RFM_FLX_DOC_FDG_DATA_XML	No	Yes	Yes	Yes
RFM_FLX_DOC_FDG_DATA_JSON	No	Yes	Yes	No
RFM_FLX_DOC_FDG_DATA_JSON_HIST	No	Yes	Yes	Yes
RFM_FLX_DOC_FDR_DATA_JSON	No	Yes	Yes	Yes
RFM_FLX_DOC_FDR_DATA_JSON_HIST	No	Yes	Yes	No
RFM_WFLW_SET_VAR	Yes	No	No	No
RFM_WFLW_EXEC_VAR	Yes	No	No	No
RFM_WFLW_SET_ACTION	Yes	No	No	No
RFM_FLX_SET_CONTENT	Yes	No	No	No
RFM_USER_LOCATION	Yes	No	No	No
RFM_FLX_DOC_FDR_KEYS	Yes	Yes	Yes	Yes
RFM_FLX_DOC_FDG_KEYS	No	Yes	Yes	No
PACKITEM	Yes	No	No	No
ORDHEAD	Yes	No	No	No
ORDLOC	Yes	No	No	No
ORDSKU	Yes	No	No	No
ORDLOC_DISCOUNT	Yes	No	No	No
WH	Yes	No	No	No
ORDER_DISCOUNTS	Yes	No	No	No

TABLE	SELECT	INSERT	UPDATE	DELETE
PACK_TOTAL_TEMP	Yes	No	No	No
ITEM_MASTER	Yes	No	No	No
RFM_XML_GTT	Yes	Yes	No	Yes
RFM_FLX_DOC_FDR_KEYS_HIST	No	Yes	No	No
RFM_FLX_DOC_FDG_KEYS_HIST	No	Yes	No	No

Process Flex Integration Get Service

Functional Area

Fiscal Management

Business Overview

This service exports fiscal documents and/or fiscal document data from the RFMCS Fiscal Document Management feature.

Service Type

Get

ReST URL

```
{{baseUrl}}/services/private/flx/integration/get?
scenario=<String>&requestType=<String>&fromDate=<Date>&toDate=<Date>&location
Code=<String>&locationType=<String>
```

Input

Parameter Name	Required	Data Type	Description	Valid values
scenario	Yes	String	Document`s Workflow Scenario code.	
requestType	Yes	String	It is a type of request that is based on the return of the payload.	A (All available), D (Delta), N (Next Available).
fromDate	No	Datetime	Start date for the return of data.	
toDate	No	Datetime	End date for the return of data.	
locationCode	No	String	Location ID.	
locationType	No	String	Location type.	

Output

Parameter Name	Data Type	Description
flxIntegrationTbl	List<RestRfmFlxIntegration>	Collection of data.

Table 3-14   RestRfmFlxIntegration

Parameter Name	Data Type	Description
workFlowCode	String	Code of workflow as: `POFDR`, `CNFDG`, `RECLASS`, `RNFDG`, and so on.
intPrefix	String	Document`s Workflow Scenario code.
intVersion	String	Integration Flow Version number.
intRelease	String	Integration Flow release number.
intCode	Number	Internal unique ID for the integration record.
intCodeRef	Number	Reference integration ID for the integration record used in response flows.
intRequestSystem	String	This field contains the identification name of system that is requesting the integration.
intKeys	intKeys	Group of data with status and attributes of the integration record.
intBody	String	Payload of the document or document data in scope for the integration scenario.

Table 3-15   intKeys

Parameter Name	Data Type
status	String
msgAttributes	msgAttributes

Table 3-16   intKeys

Parameter Name	Data Type
attribCode	String
attribValue	String
errors	List<RestRfmError>

Table 3-17   RestRfmError

Parameter Name	Data Type
errorCode	String
errorDesc	String

XML Structure

Example for the workflow POFDR, scenario `nfeStatusVerificationRequest`:

```
<?xml version="1.0" encoding="UTF-8"?>
<flxIntegrationTbl>
    <flxIntegration>
        <workflowCode />
        <intPrefix>nfeStatusVerificationRequest</intPrefix>
        <intVersion>1</intVersion>
        <intRelease>24.0.101.0</intRelease>
        <intCode>363</intCode>
        <intCodeRef>359</intCodeRef>
        <intRequestSystem>RFM</intRequestSystem>
        <intKeys />
        <intBody>
            <flxIntegration xmlns="http://www.oracle.com/retail/flx/integration/
v1">
                <intScenario>nfeStatusVerificationRequest</intScenario>
                <intPrefix>nfeStatusVerificationRequest</intPrefix>
                <intVersion>1</intVersion>
                <intRelease>24.0.101.0</intRelease>
                <intRequestSystem>RFM</intRequestSystem>
                <intCode>363</intCode>
                <intBody xmlns="">
                    <consSitNFe>
                        <versao>4.00</versao>
                        <tpAmb>1</tpAmb>
                        <xServ>CONSULTAR</xServ>
                        <chNFe>32210705570714000825550010112152241240205631</chNFe>
                    </consSitNFe>
                </intBody>
            </flxIntegration>
        </intBody>
    </flxIntegration>
</flxIntegrationTbl>
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_FLX_DOC_FDR_KEYS	Yes	No	No	No
RFM_FLX_DOC_FDR	Yes	No	No	No
RFM_FLX_DOC_FDG_DATA_XML	Yes	No	No	No

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_INT_SETUP	Yes	No	No	No

NFE Manifest Service

Functional Area

Fiscal Management

Business Overview

This service calls the POFDR workflow in RFMCS with the document internal ID that needs to have the specific step `nfeManifestRequest` executed irrespective of the manifest days parameter set for the location. This supports exceptions when the document needs to be sent to the government for a receipt manifest. The service execution will be completed once the workflow step is complete, whether the subsequent steps are successful or not.

Service Type

Post

ReST URL

```
{{baseUrl}}/services/private/flx/fdr/nfeManifest
```

Input

Parameter Name	Required	Data Type	Description	Valid values
docId	Yes	String	Action that will be requested.	

JSON Input Structure

```
{
  "docId": "9999"
}
```

Output

Parameter Name	Data Type	Description
status	String	Status of the processing executed: E (ERROR) or S (SUCCESS).
errors	List<RestRfmFdmError>	Collection of errors.

Table 3-18   RestRfmError

Parameter Name	Data Type	Description
errorCode	String	This field contains the error code.
errorDesc	String	This field contains the error description.

JSON Structure

```
{
   "status": "S",
   "errors": null
}
```

Table Impact

TABLE	SELECT	INSERT	UPDATE	DELETE
RFM_CODE_DETAIL	Yes	No	No	No
RFM_CODE_DETAIL_TL	Yes	No	No	No
RFM_WFLW_SET	Yes	No	No	No
RFM_WFLW_EVE_LOG	Yes	No	No	No
RFM_WFLW_STA_LOG	Yes	Yes	No	No
RFM_FLX_DOC_FDR	Yes	Yes	Yes	No
RFM_FLX_DOC_FDR_DATA_XML	Yes	Yes	Yes	Yes
RFM_WFLW_SET_VAR	Yes	No	No	No
RFM_WFLW_EXEC_VAR	Yes	No	No	No
RFM_WFLW_SET_ACTION	Yes	No	No	No
RFM_WFLW_ERR	No	Yes	No	No
RFM_WFLW_EVE_LOG	No	Yes	No	No
RFM_FLX_SET_CONTENT	Yes	No	No	No
RFM_FLX_DOC_FDR_HIST	Yes	Yes	Yes	No
RFM_FLX_DOC_FDR_DATA_JSON	No	Yes	Yes	No
RFM_FLX_DOC_FDR_DATA_XML_HIST	No	Yes	Yes	No
RFM_FLX_DOC_FDR_KEYS	Yes	Yes	Yes	No

Batch Processes

rfmfdmreclass_job

Module Name	rfmfdmreclass_job
Description	The script calls the RFM in order process all fiscal reclass records in status NEW or PENDING.

Functional Area	Rfm
Module Type	Admin – Ad hoc
Module Technology	Background Processing
Catalog ID	
Wrapper Script	rfmfdmreclass.ksh

Schedule

Oracle Retail Merchandising Batch Schedule

Design Overview

This batch processes fiscal reclassification records in RFM for entities and/or item attributes until all steps have been completed. The batch also accounts for the necessary steps to complete the reclassification process, such as verifying the accuracy of the data, executing the necessary validations, and applying the changes to the system. The batch execution will be completed once the reclassification process is complete, whether it is successful or unsuccessful.

Restart/Recovery

N/A

Key Tables Affected

TABLE	SELECT	INSERT	UPDATE	DELETE
SVC_RFM_FDM_FISCAL_RECLASS	Yes	No	No	No
RFM_WFLW_SET	Yes	No	No	No
RFM_WFLW_SET_VAR	Yes	No	No	No
RFM_WFLW_EXEC_VAR	Yes	No	No	No
RFM_WFLW_SET_ACTION	Yes	No	No	No
RFM_WFLW_ERR	No	Yes	No	No
RFM_WFLW_EVE_LOG	No	Yes	No	No
RFM_WFLW_STA_LOG	Yes	Yes	Yes	No
RFM_FDM_ATTRIB_ITEM	Yes	Yes	Yes	No
RFM_FDM_ATTRIB_ITEMLOC	Yes	Yes	Yes	No
RFM_FDM_ATTRIB_ITEMSUPP	Yes	Yes	Yes	No
RFM_FDM_ATTRIB_LOCATION	Yes	Yes	Yes	No
RFM_FDM_ATTRIB_ORDCUST	Yes	Yes	Yes	No
RFM_FDM_ATTRIB_PARTNER	Yes	Yes	Yes	No
RFM_FDM_ATTRIB_SUPPLIER	Yes	Yes	Yes	No

Design Assumptions

N/A

fdrmanifest_job

Module Name	fdrmanifest_job
Description	The script identifies invoices that should be sent to SEFAZ for manifest.
Functional Area	Rfm
Module Type	Admin – Ad hoc
Module Technology	Background Processing
Catalog ID	
Wrapper Script	fdrmanifest.ksh

Schedule

Oracle Retail Merchandising Batch Schedule

Design Overview

This batch calls the POFDR workflow in RFMCS with the document internal ID that needs to have the specific step `nfeManifestRequest` executed based on the manifest days parameter set for the location. The batch execution will be completed once the workflow step is complete, whether the subsequent steps are successful or not.

Restart/Recovery

N/A

Key Tables Affected

Table	Select	Insert	Update	Delete
RFM_CODE_DETAIL	Yes	No	No	No
RFM_CODE_DETAIL_TL	Yes	No	No	No
RFM_WFLW_SET	Yes	No	No	No
RFM_WFLW_EVE_LOG	Yes	No	No	No
RFM_WFLW_STA_LOG	Yes	Yes	No	No
RFM_FLX_DOC_FDR	Yes	Yes	Yes	No
RFM_FLX_DOC_FDR_DATA_XML	Yes	Yes	Yes	Yes
RFM_WFLW_SET_VAR	Yes	No	No	No
RFM_WFLW_EXEC_VAR	Yes	No	No	No
RFM_WFLW_SET_ACTION	Yes	No	No	No
RFM_WFLW_ERR	No	Yes	No	No
RFM_WFLW_EVE_LOG	No	Yes	No	No
RFM_FLX_SET_CONTENT	Yes	No	No	No
RFM_FLX_DOC_FDR_HIST	Yes	Yes	Yes	No
RFM_FLX_DOC_FDR_DATA_JSON	No	Yes	Yes	No

Table	Select	Insert	Update	Delete
RFM_FLX_DOC_FDR_DATA_XML_HIST	No	Yes	Yes	No
RFM_FLX_DOC_FDR_KEYS	Yes	Yes	Yes	No

Design Assumptions

N/A

4
Globalization

Translations

Retail Fiscal Management supports operating the user interface in 19 languages, including English. As part of the setup of Merchandising Services, one language was designated as "primary". This primary language is how labels and data are displayed by default to users, what is held in the base tables for data entities, and what is used in the integration with other systems. The primary language is loaded as a default for all screen labels, error messages, and seeded data in Retail Fiscal Management at the time of installation. By default, only the primary language you indicated at installation is loaded in Retail Fiscal Management. If you wish to have more languages loaded, you can request the language strings be loaded for those languages as well.

In addition to English, the supported languages in the user interface for Retail Fiscal Management include:

- Arabic
- Chinese (Simplified)
- Chinese (Traditional)
- Croatian
- Dutch
- French
- German
- Greek
- Hungarian
- Italian
- Japanese
- Korean
- Polish
- Portuguese
- Portuguese (Brazil)
- Russian
- Spanish
- Swedish
- Turkish

All screen labels, error messages, and menu options are supported out of the box in these languages and users can select from these languages as their preferred language. Data translation is also supported to allow data that you create as part of your implementation,

such as user-defined fiscal attributes and lists of values, to be viewed in the preferred languages of your users as well.

Translate Labels and Seeded Data

If you would like to modify the translations for labels and error messages or add translations for other languages[1] that are not included in the list above, you can leverage the Resource Bundle feature for RFM in Retail Home.

Resource Bundles

Screen labels and other UI-related data that may require updates/additions for Merchandising are managed in resource bundles. For details on how to make updates to resource bundles see the "Resource Bundles" section of the *Oracle Retail Home Administration Guide*.

Configure User Language

Retail Fiscal Management displays the screens and data based on the primary language, but users can configure their preferred language as part of their user preferences in IDCS or IAM.

RFM uses these preferences to set the proper language the user sees while entering information into the system.

Not Translated

The following information is available in English only:

- Documentation, including online help, release notes, and product guides
- Batch programs and messages
- Log files
- Configuration tools
- Demonstration data
- Training materials

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[1] Additional support is also available for the following languages by adding your own translations using the tools described in this section: Czech, Danish, Finnish, Hebrew, Norwegian, Thai, Albanian, Latin Bosnian, Bulgarian, Estonian, Latvian, Cyrillic Serbian, Lithuanian, Romanian, Slovakian, and Slovenian.