Infor M3 10.1 and 13.1 - Infor Reporting 10.3 Integration Guide

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Contents

About this guide

This guide provides information about the integration of Infor Reporting with Infor M3 Business Engine (BE) through Business Object Documents (BODs) and the Infor Business Vault. The purpose is not to describe the architecture and capabilities of the applications involved, such as Infor Reporting.

Intended audience

This guide is intended mainly for business consultants and system administrators who implement the integration between Reporting, the Business Vault and M3, or who will troubleshoot or trace back data between M3 and the Business Vault and Reporting.

Related documents

You can find the documents in the product documentation section of the Infor Xtreme Support portal, http://www.inforxtreme.com/.

This guide assumes that the reader is familiar with Infor ION, Infor Business Vault, and Infor Reporting. You should also be familiar with the following M3 documents:

- *M3 BE BOD Installation Guide*
- *M3 BE BOD Configuration Guide*

Chapter 1   Overview

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Functional scope

This integration is concerned with the publishing of BODs from M3 to the Business Vault for use by Infor Reporting.

This release includes support for standard/template reports within the five Reporting domains:

- Accounts Receivable

- Accounts Payable

- General Ledger

- Purchasing

- Sales

The release also enables users to build their own reports or change the template reports to better fit the individual need.

Solution components

The solution encompasses the following systems:

- M3 is the primary data source.

- Infor ION routes to the BODs to the Business Vault.

- Infor ION Business Vault stores the raw data BODs and builds the base Data Stores.

- Infor Reporting builds and runs reports over the base data store.

This integration guide mainly describes how to get BODs from M3 to Business Vault. It does not cover any architectural or functional descriptions of Reporting or Business Vault.

Terminology

In this guide, the following terminologies are used:

- Infor Reporting is referred to as Reporting.
- Infor ION Business Vault is referred to as Business Vault or BV.
- Infor M3 Business Engine is referred to as M3.
- Infor ION is referred to as ION.

Chapter 2   Installation

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Prerequisites

These are the prerequisite software for the integration:

1   Infor M3 BE version 15.1.0 or 14.1.2

2   Infor M3 BE BODs version 15.1.0.0 with Patch 1 or later for M3 BE version 15.1.0, or version 14.4.1.0 with Patch 1 for M3 BE version 14.1.2

Including all required software for M3 BE BODs

3   Infor10 ION 10.3 or later

4   Infor10 ION Business Vault 10.3 or later

Follow the Business Vault Installation documentation to install and configure the Business Vault alongside ION.

This integration guide assumes that you must be familiar with all the Business Vault and Reporting documentation.

5   Infor10 Reporting Platform and Infor Reporting Business Vault Operational Reports 10.3 or later

Follow the Reporting Installation documentation to install Reporting and configure it to utilize the Business Vault.

Chapter 3   Scope

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Scope

The focus for this release of the integration is to provide a foundation for customers who would like to build reports in Infor Reporting based on M3 data. Support for a number of "template reports" that can be used out of the box or as a basis for building own reports has also been verified. Those reports are available as a part of the Infor Reporting package (Infor Reporting Business Vault Operation Reports).

Limitations

There are a few limitations to the solution:

- The Person BOD is currently not published on accounting entity level (equal to Division) in M3. Business Vault will therefore not recognize it. The result is that the Buyer and Salesperson fields will not be populated in applicable template reports. The Buyer and Salesperson elements are, however, sent in the transactional BODs and could be retrieved from there if the reports are modified.

- FinancialCalender needs to be triggered from the correct accounting entity in M3 since an initial load will not publish the FinancialCalendar on the correct level for BusinessVault. Instead open CRS910 in the correct company and division and edit, for example, a text field in CRS910/E. This will trigger a SyncFinancialCalendar for that specific accounting entity.

- The template reports in Infor Reporting are currently only available in base and reporting currency. This corresponds to local currency and third currency in M3. Template reports in foreign currency are currently not available in Infor Reporting. Applicable BODs do however include amounts in foreign currency, so those reports can be designed as custom reports.

- M3 does not currently publish the Request for Quotation (RFQ) and Contract BODs, so displaying data for RFQs or Contracts is not possible in any reports.

- The Invoice BOD is only created for customer orders in M3.

- The financial reports use the element DocumentID from the BODs as invoice number. This DocumentID is the unique key to the transaction in ERP. M3 populates it with its record key and not the invoice number, which instead is populated in the standard field DisplayID. Hence standard reports in Infor Reporting must be updated to instead contain the DisplayID as invoice number if you want to print it.

Chapter 4   M3 settings

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M3 BOD integration settings

Follow the instructions in the *M3 BE BOD Installation Guide* to install the BODs and applicable software components and to set up proper agreements, rules, and translations.

Chapter 5   Business Vault and Reporting settings

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Business Vault document flow in ION

The table shows the BODs that should be included in the document flow to populate the Reporting Data Store, and where that data is being used by the current standard Reports.

All these BODs should be present in the document flow to get full support for Reporting for M3.

Noun	Verb	Reporting domain
AdvanceShipNotice	Sync	Purchasing
BillToPartyMaster	Sync	AR, Sales
CodeDefinition	Sync	
CustomerPartyMaster	Sync	AR, Sales
CustomerReturn	Sync	Sales
FinancialCalendar	Sync	GL
Invoice	Sync	AR, Sales
ItemMaster	Sync	AR, AP, Purchasing, Sales
Location	Sync	AR, AR, Purchasing, Sales
PayableTransaction	Sync	AP
PurchaseOrder	Sync	Purchasing
ReceivableTransaction	Sync	AR
Requisition	Sync	Purchasing
SalesOrder	Sync	Sales
ShipFromPartyMaster	Sync	AP
Shipment	Sync	Sales
ShipToPartyMaster	Sync	AR, Sales

SourceSystemGLMovement	Sync	GL
SourceSystemJournalEntry	Sync	GL
SupplierPartyMaster	Sync	AP, Purchasing

Infor Reporting configuration

There is no particular configuration necessary in Reporting specifically for an M3 deployment, but you can adjust the reports adjust if needed. One example is that the Document ID in the BOD is displayed as default in many reports. That element contains a unique key for the entity in M3, so a better option would be to change the report to display the element DisplayID instead. DisplayID is populated with the field suitable for displaying on a report, for example, just the invoice number itself rather than the full key for the invoice including the Company number, and so on.

Chapter 6   Business processes

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There are no specific and additional business processes required to utilize the Business Vault and Infor Reporting.

When M3 is set up properly for ION integration and the included BODs are installed and configured, all the normal M3 business processes related to the five domains publish new and changed documents automatically to the Business Vault to be used by Reporting.

Interactive tasks make the changed data available in the Business Vault as near real-time as the routing through the ION process allows.

Batch and scheduled jobs in M3 also make data changed by those jobs available as soon as the job has finished.

Initial load

If you will use Infor Reporting for an existing M3 installation, you can run an initial load of data to create BODs for all applicable data as a starting point. New or changed transactions will then be sent to Business Vault as they occur in M3.

To trigger an initial load of data, run the transaction Initiate in MI-program EVS002MI through the tool MI-test. See the *M3 BE BOD Configuration Guide* for more details.

Noun	Verb	M3 table
AdvanceShipNotice	Show	MHEXRH
BillToPartyMaster	Show	See CustomerPartyMaster
CodeDefinition	Show	CSYTAB, CSYSTS
CustomerPartyMaster	Show	OCUSMA
CustomerReturn	Show	OCHEAD
FinancialCalendar	Sync	N/A Updating individual FinancialCalendar in CRS910 in correct Division is required

Invoice	Show	OINVOH
ItemMaster	Show	MITMAS
Location	Show	MITWHL
PayableTransaction	Show	FPLEDG
PurchaseOrder	Show	MPHEAD
ReceivableTransaction	Show	FSLEDG
Requisition	Show	MPOPLP
SalesOrder	Show	OOHEAD
ShipFromPartyMaster	Show	See SupplierPartyMaster*
Shipment	Show	DCONSI MHDISH
ShipToPartyMaster	Show	See CustomerPartyMaster**
SourceSystemGLMovement	Show	FBAKEY, FBUDET
SourceSystemJournalEntry	Show	FGLEDG
SupplierPartyMaster	Show	CIDMAS

*ShipFromPartyMaster will be automatically created when SupplierPartyMaster is created.

**ShipToParty will be automatically created when CustomerPartyMaster is created.