

Microsoft Dynamics® AX 2012

Mapping the LedgerTrans Table to General Journal Tables

White Paper

In Microsoft Dynamics AX 2012, multiple general journal tables have replaced the LedgerTrans table. This paper presents the mapping between the LedgerTrans table and the general journal tables to help you upgrade your code to the new data model. It also provides patterns of selecting data that you can adapt in your code.

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Author: Eric Pegors, Software Development Engineer, Financials

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Introduction

In Microsoft Dynamics® AX 2012, multiple general journal tables have replaced the LedgerTrans table. This paper presents the mapping between the LedgerTrans table and the general journal tables to help you upgrade your code to the new data model. It also provides patterns of selecting data that you can adapt in your code.

Mapping the LedgerTrans table to general journal tables

The tables in this section present the mapping between the LedgerTrans table and the general journal tables to help you upgrade your code to the new data model.

GeneralJournalAccountEntry

LedgerTrans field	GeneralJournalAccountEntry field	Notes
AccountNumDimension	LedgerDimension	Foreign key
AllocateLevel	AllocationLevel	
Correct	IsCorrection	
Crediting	IsCredit	
PaymReference	PaymentReference	
Posting	PostingType	
AmountCur	TransactionCurrencyAmount	
AmountMST	AccountingCurrencyAmount	
AmountMSTSecond	ReportingCurrencyAmount	
CurrencyCode	TransactionCurrencyCode	
Qty	Quantity	
Txt	Text	
ReasonRefRecId	ReasonRef	Foreign key
	GeneralJournalEntry	Foreign key

GeneralJournalEntry

LedgerTrans field	GeneralJournalEntry field	Notes
OperationsTax	PostingLayer	
TransDate	AccountingDate	
AcknowledgementDate	AcknowledgementDate	
DocumentDate	DocumentDate	
DocumentNum	DocumentNumber	
TransType	JournalCategory	
LedgerPostingJournalId	LedgerPostingJournal	This is a Belgium-only feature in Microsoft Dynamics AX 2012.
	LedgerPostingJournalDataAreaId	

PeriodCode	N/A	Use FiscalCalendarPeriod.Type
	FiscalCalendarPeriod	Foreign key
	JournalNumber	Generated from the number sequence for the general journal entry journal number.
DataAreaId	Ledger	Restrict to Ledger::current() in Microsoft Dynamics AX 2012.
	LedgerEntryJournal	Foreign key
	SubledgerVoucher	Not saved to the database. Used internally when creating the SubledgerVoucherGeneralJournalEntry record.
	SubledgerVoucherDataAreaId	Not saved to the database. Used internally when creating the SubledgerVoucherGeneralJournalEntry record.

SubledgerVoucherGeneralJournalEntry

LedgerTrans field	SubledgerVoucherGeneralJournalEntry field	Notes
Voucher	Voucher	
	VoucherDataAreaId	
TransDate	AccountingDate	We recommend that you use GeneralJournalEntry.AccountingDate instead of SubledgerVoucherGeneralJournalEntry.AccountingDate when possible.
	GeneralJournalEntry	Foreign key

LedgerEntry (optional)

LedgerTrans field	LedgerEntry field	Notes
CompanybankAccountId	CompanyBankAccount	Foreign key
ThirdPartyBankAccountId	ThirdPartyBankAccount	Foreign key
	BankAccountDataAreaId	
ConsolidatedCompany	ConsolidatedCompany	Foreign key
FurtherPostingType	IsBridgingPosting	
PaymMode	PaymentMode	Foreign key
	GeneralJournalAccountEntry	Foreign key

LedgerEntryJournal (optional)

LedgerTrans field	LedgerEntryJournal field	Notes
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JournalNum

JournalNumber

LedgerEntryJournalizing (optional)

LedgerTrans field	LedgerEntryJournalizing field	Notes
JournalizeNum	Journal	
JournalizeSeqNum	SequenceNumber	
	GeneralJournalAccountEntry	Foreign key

Other fields

LedgerTrans field	Notes
EUROTriangulation	This field is not in the new data model because there is no exchange rate for the amounts stored.
TaxRefId	This has been replaced by the TaxTransGeneralJournalAccountEntry link table
DEL_PurchLedgerId	
DEL_LedgerTransReportType	
DEL_VoucherSequenceCode	
DEL_LedgerPostingJournalRegisterId	

Select statement patterns and examples

This section provides patterns of selecting general journal data that you can adapt in your code.

Complete select statement

This pattern and example demonstrate how to select the general journal records that replace a single LedgerTrans record.

Pattern

```
select <field list> from <GeneralJournalAccountEntry>
  join <field list> from <GeneralJournalEntry>
    where <GeneralJournalEntry>.RecId == <GeneralJournalAccountEntry>.GeneralJournalEntry
  join <field list> from <SubledgerVoucherGeneralJournalEntry>
    where <SubledgerVoucherGeneralJournalEntry>.GeneralJournalEntry ==
<GeneralJournalEntry>.RecId
  outer join <field list> from <LedgerEntry>
    where <LedgerEntry>.GeneralJournalAccountEntry == <GeneralJournalAccountEntry>.RecId
  outer join <field list> from <LedgerEntryJournal>
    where <LedgerEntryJournal>.RecId == <GeneralJournalEntry>.LedgerEntryJournal
  outer join <field list> from <LedgerEntryJournalizing>
    where <LedgerEntryJournalizing>.GeneralJournalAccountEntry ==
<GeneralJournalAccountEntry>.RecId
```

Example

```
select RecId from generalJournalAccountEntry
  join RecId from generalJournalEntry
    where generalJournalEntry.RecId == generalJournalAccountEntry.GeneralJournalEntry
  join RecId from subledgerVoucherGeneralJournalEntry
    where subledgerVoucherGeneralJournalEntry.GeneralJournalEntry ==
generalJournalEntry.RecId
  outer join RecId from ledgerEntry
    where ledgerEntry.GeneralJournalAccountEntry == generalJournalAccountEntry.RecId
  outer join RecId from ledgerEntryJournal
    where ledgerEntryJournal.RecId == generalJournalEntry.LedgerEntryJournal
  outer join RecId from ledgerEntryJournalizing
    where ledgerEntryJournalizing.GeneralJournalAccountEntry ==
generalJournalAccountEntry.RecId
```

Select for a specific transaction date

This pattern and example demonstrate how to select the general journal records for a specific transaction date.

Pattern

```
select <field list> from <GeneralJournalAccountEntry>
  join <field list> from <GeneralJournalEntry>
    where <GeneralJournalEntry>.RecId == <GeneralJournalAccountEntry>.GeneralJournalEntry
      && <GeneralJournalEntry>.AccountingDate == <transaction date input>
```

Example

```
select RecId from generalJournalAccountEntry
  join RecId from generalJournalEntry
    where generalJournalEntry.RecId == generalJournalAccountEntry.GeneralJournalEntry
      && generalJournalEntry.AccountingDate == <transaction date input>
```

Select for a specific voucher and transaction date

This pattern and example demonstrate how to select the general journal records for a specific voucher and transaction date.

Pattern

```
select <field list> from <GeneralJournalAccountEntry>
  join <field list> from <GeneralJournalEntry>
    where <GeneralJournalEntry>.RecId == <GeneralJournalAccountEntry>.GeneralJournalEntry
  join <field list> from <SubledgerVoucherGeneralJournalEntry>
    where <SubledgerVoucherGeneralJournalEntry>.GeneralJournalEntry ==
<GeneralJournalEntry>.RecId
      && <SubledgerVoucherGeneralJournalEntry>.Voucher == <voucher input>
      && <SubledgerVoucherGeneralJournalEntry>.VoucherDataAreaId == <voucher data area ID
input>
      && <SubledgerVoucherGeneralJournalEntry>.AccountingDate == <transaction date input>
```

Example

```
select RecId from generalJournalAccountEntry
  join RecId from generalJournalEntry
    where generalJournalEntry.RecId == generalJournalAccountEntry.GeneralJournalEntry
  join RecId from subledgerVoucherGeneralJournalEntry
    where subledgerVoucherGeneralJournalEntry.GeneralJournalEntry ==
generalJournalEntry.RecId
      && subledgerVoucherGeneralJournalEntry.Voucher == <voucher input>
      && subledgerVoucherGeneralJournalEntry.VoucherDataAreaId == <voucher data area ID
input>
      && subledgerVoucherGeneralJournalEntry.AccountingDate == <transaction date input>
```

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U.S. and Canada Toll Free 1-888-477-7989

Worldwide +1-701-281-6500

www.microsoft.com/dynamics

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