

Using JournalEntries and JournalVouchers Objects in SAP® Business One 6.5



Applies to:

Business One. For more information, visit the [Business One homepage](#).

Summary

This article explains how to use the JournalEntries and JournalVouchers objects to import data into SAP® Business One from a tab-delimited text file. You can also download a sample application.

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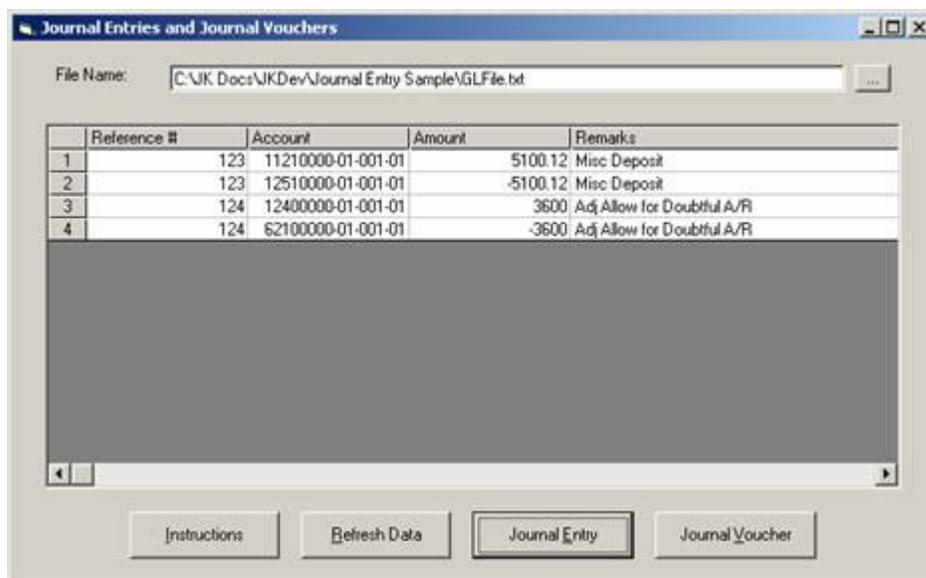
Introduction

If you have been working with the Data Interface API (DI-API), chances are you have used the JournalEntries object to bring general ledger transactions into SAP Business One. Version 6.5 of the DI-API now includes a JournalVouchers object. In this article we will look at how to use the JournalEntries and JournalVouchers objects to import data into SAP Business One from a tab-delimited text file.

As you know, most transactions in SAP Business One are not batched. That is, they are committed to the system right away rather than being stored in a batch which can later be posted. Although most documents can be stored as drafts, there is no process for adding a large number of draft documents to the system at one time.

The exception to this rule is to use the journal vouchers. While journal entries are familiar to anyone who has worked with financial systems, the term "journal voucher" may be a new term for many people. A journal voucher is essentially a collection of draft journal entries that can be reviewed and saved to the permanent file as a group. In other words, for practical purposes, a journal voucher acts like a batch of journal entries.

The following discusses how to add journal entries directly (without using the JournalVouchers object), and then describes how to add them with the JournalVouchers object. Our sample application reads data from a tab-delimited text file and populates a grid with data from that file.



The Journal Entry button creates a separate journal entry in SAP Business One for each unique reference number. In the example shown here, two journal entries are created, one for the lines containing Reference # 123, and another for the lines containing Reference #124.

The Journal Voucher button creates one journal voucher in SAP Business One. Within the journal voucher, a separate journal entry is created for each unique "Reference #". In the example shown here, two journal entries are created within a single journal voucher.

Using the JournalEntries Object

Using the JournalEntries object is pretty straightforward. You need to create an instance of the JournalEntries object and a corresponding JournalEntries_Lines object. Then loop through the lines one at a time, set properties on each line and add it to the collection. When you are finished, call the Add method on the JournalEntries object. The following example shows a simplified process for adding a journal entry containing two lines:

```
Set oJE = vCompany.GetBusinessObject(oJournalEntries)
Set oLines = oJE.Lines
oJE.Memo = "My Journal Entry"
'Add Lines to Journal Entry
  oLines.AccountCode = GetAccountCode("11210000-01-001-01")
  oLines.Debit = 500
  oLines.Add
  oLines.AccountCode = GetAccountCode("12510000-01-001-01")
  oLines.Credit = 500
  oLines.Add
  lRetCode = oJE.Add
```

The AccountCode property of the JournalEntries_Lines object can be a bit confusing. Many people assume that the AccountCode corresponds to the General Ledger Account Number that the user sees. In fact, the AccountCode specifies a value from the AcctCode field of the OACT table. The sample application includes a function called GetAccountCode that takes the General Ledger Account Number as an input parameter and returns the corresponding value from the OACT table.

Using the JournalVouchers Object

The JournalVouchers object is very simple insofar as it contains only two members:

1. The Add method creates a new journal voucher.
2. The JournalEntries property is an object representing a collection of journal entries within the journal voucher.

Start by creating a new JournalVouchers object. This will automatically create a JournalEntries collection - you do not need to create one manually. After you have created a JournalVouchers object, you can start adding journal entry lines. Here is a simplified example in which we are adding a journal voucher consisting of two journal entries. Each journal entry in this example contains two lines of detail:

```
Set oJV = vCompany.GetBusinessObject(oJournalVouchers)
oJV.JournalEntries.Lines.AccountCode = GetAccountCode("11210000-01-001-01")
oJV.JournalEntries.Lines.Debit = 500
oJV.JournalEntries.Lines.Add
oJV.JournalEntries.Lines.AccountCode = GetAccountCode("12510000-01-001-01")
oJV.JournalEntries.Lines.Credit = 500
oJV.JournalEntries.Lines.Add
oJV.JournalEntries.Add
oJV.JournalEntries.Lines.AccountCode = GetAccountCode("12400000-01-001-01")
oJV.JournalEntries.Lines.Debit = 1000
oJV.JournalEntries.Lines.Add
```

```
oJV.JournalEntries.Lines.AccountCode = GetAccountCode("62100000-01-001-01")
oJV.JournalEntries.Lines.Credit = 1000
oJV.JournalEntries.Lines.Add
oJV.Add
```

Note that we do not call `oJV.JournalEntries.Add` until after the first journal entry has been created, and we do not call this method again after the second journal entry has been created. This is because the `JournalVouchers.JournalEntries` collection contains one empty journal entry when it is created. By calling `JournalVouchers.JournalEntries.Add`, you are creating a new (empty) journal entry. If you do this just before you call the `JournalVouchers.Add` method, you will be trying to add a journal voucher that contains a new (empty) journal entry. This will return an error stating that the journal entry date does not fall within the correct parameters.

Related Contents

Download the [sample application](#) (7KB ZIP file) and try to import some data by editing the text file. We recommend that you begin by clicking on the "Instructions" button, which will provide additional details on how to use the sample application.

For more information, visit the [Business One homepage](#).

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