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**0**

# 1 Introduction



*ExcelFSM* is an easy to install, easy to use, and easy to learn add-in for Microsoft *Excel* which brings the *FSM*'s unique and universal patented method to millions of worldwide users, who build and update financial reports every day.

The enhanced *Excel* spreadsheet software is now a fully integrated financial report generator, where the financial reports are automatically updated with the accounting data of the following periods (e.g. next day, next week, next month, etc.).

*ExcelFSM* provides a tremendous amount of flexibility in building customized financial reports, such as:

- Non typical financial statements such as Non-Profit Organizations
- Statements of Cash Flow
- Comparative Quarterly financial statements

while ensuring their completeness without excessive review. Its innovative invention is paradigm shifting for financial officers, financial departments, business managers, entrepreneurs and accounting firms, reducing the amount of time spent preparing and reviewing financial reports.

*ExcelFSM* is affordable and quickly pays dividends in terms of time and cost saved.

The *Financial Statement Module Patent* describes a unique and universal method to build financial reports with a computer for any type of business or organization (The Method). It also provides the capacity to read, organize, and manipulate the accounting data of any accounting software (Business

Intelligence).

The *FSM* invention was submitted for patent protection to an art unit of the United States Patent Office, where the allowance rate is only 16% [see "[Business method patents for financial products](#)"], and has been granted [Patent 7,139,729](#).

The *ROMAD* (*Reading, Organizing and Manipulating Accounting Data*) patent [7,885,868](#) tells more about the FSM Business Intelligence capacity.

## 1.1 Welcome



### Welcome to ExcelFSM™

*ExcelFSM* is the fastest and easiest way to create and update financial reports.

### Why can't I just use Microsoft Excel or Microsoft Word?

Creating financial reports in Microsoft Excel (and Word) is tedious and error-prone. Computing Items and Totals is very labor intensive. There are no Adjusting journal entries. Worst of all, this work must be done again from scratch for each financial period! Further, the reports from each financial period are kept in separate files, making it difficult to compare numbers of various financial periods together.

*ExcelFSM* adds to Excel the high level concepts of financial statements: trial balances and the notion of debit and credit, as-of dates, accounts, grouping accounts into financial report Items, grouping Items into Totals, adjusting entries, and more. Not only can you work within Excel naturally, using these high level concepts to build financial reports, but thanks to the *ExcelFSM* business intelligence to read, organize, and manipulate the accounting data of any account software, these financial reports will be updated automatically!

### Where do I go from here?

Setting up QuickBooks to work with ExcelFSM in [Read Trial Balance Data](#)

## 1.2 Benefits of using ExcelFSM

### How does ExcelFSM help?

Amounts appearing in a financial report are either an Item balance or a Total.  
An Item balance results from the grouping of one or more accounts from the Chart of Accounts.  
A Total results from the grouping of financial report Items.

- ExcelFSM reads the trial balances produced by accounting software, then organizes and stores the

data, building a Chart of Accounts. Besides the accounts identifier (number and/or title), ExcelFSM initializes a 'Sense' field that will be used further for presentation purposes. This Chart of Accounts can be edited and printed.

- ExcelFSM accesses the accounts so you can easily group them into financial report Items. Items balances are placed into Excel worksheet cells, updated as you perform the grouping.
- ExcelFSM helps you group Items into Totals, which are also placed into Excel worksheet cells, updated as you perform the grouping.
- ExcelFSM also helps you reduce typing by providing Suggested Titles for the financial report Items. ExcelFSM even has a button to put the Enterprise name into a cell, and a button to put the 'As-of date' into a cell.
- ExcelFSM allows you to record Adjusting Entries. Item balances and Totals are simultaneously updated accordingly while you are recording an entry.
- ExcelFSM allows you to toggle the display of accounts that are grouped into Items, while you are in the sheet of a financial report.
- ExcelFSM updates the financial reports by simply reading the trial balance of the following financial period (next day, week, month, year) and identifies any new accounts, that you simply group into the proper financial reports Items. Even the cells initialized with the 'As-of date' button are updated.
- ExcelFSM manages the trial balance data and financial reports of multiple financial periods by automatically saving copies of your Excel workbook for each financial period. The latest workbook contains the account balances read from the last trial balance, as well as the adjusted balances of all previous financial periods (to enable Comparative presentations). Should you need to refer to your work of a previous financial period, simply open the appropriate Excel workbook identified by the "FSM"+"As-of date"+"Enterprise name".
- ExcelFSM can display, in your financial report, Comparative balances of selected previous financial periods. You no longer have to print worksheets of prior periods and manually merge to place them side by side in order to compare numbers from one financial period to another.
- ExcelFSM not only displays rounded values, but also computes with the rounded values of the account balances, which provides accuracy.
- ExcelFSM allows you to manage the worksheets from a movable and resizable dialog that shows all the worksheets at one glance, a handy alternative to manipulating the worksheet tabs at the bottom of the Excel workbook, which can be tedious and time consuming.
- ExcelFSM assists in generating PDF / XPS files for your financial reports and generated worksheets, from with Excel.

## 1.3 System Requirements

To use ExcelFSM, you need:

- A computer running Microsoft Windows XP or later.
- .NET 2.0 (included with Microsoft Windows Vista and Windows 7, and a free download for

Windows XP).

- Microsoft Excel 2007, 2010, or 2013.
- Microsoft Excel must be 32-bits, to access QuickBooks Desktop. Otherwise, Microsoft Excel can be either 32-bits or 64-bits.
- .NET 4 or later is required to access QuickBooks Online. Otherwise .NET 2 or later is required.

## 1.4 Uninstalling

There are two ways to uninstall ExcelFSM.

1. Run the original ExcelFSM.msi installer again. You will be given a choice of repair or remove ExcelFSM.
2. Open the Control Panel, select Uninstall a program, and select ExcelFSM from the list.

## 2 FSM Ribbon

After installing ExcelFSM, an FSM ribbon is added into your Excel:

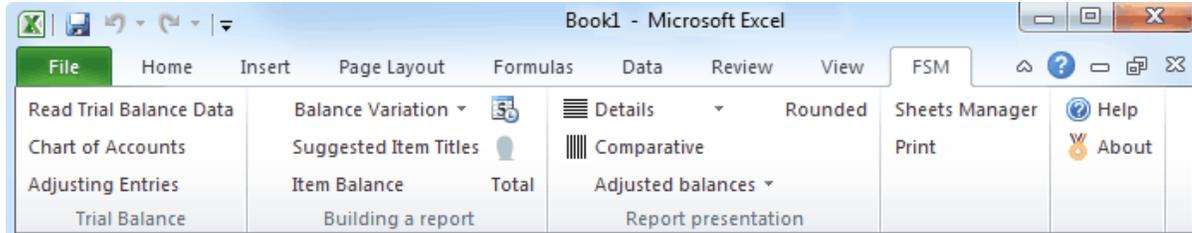


Figure: The ExcelFSM ribbon, shown in Excel 2010. (The same concepts apply to Excel 2007 and Excel 2013 as well.)

The FSM ribbon contains buttons, separated into groups ordered from left-to-right reflecting the actions you will do to prepare financial reports.

- Trial Balance - Import trial balance data into ExcelFSM, which builds/updates a Chart of Accounts that you can edit and print, and allows you to record Adjusting Entries in these accounts.
- Building a report - Build your financial report by filling Excel cells with the Enterprise name, As-of date, Titles, Items, and Totals. Activate the Balance Variation button to build Cash Flow statements, Quarterly comparative financial statements, financial statement notes.
- Report Presentation - Extend the presentation of your financial report by toggling various views on and off, including Details (the individual accounts grouped into an Item), Comparative (the balances of the Items and the Totals of previous financial periods), Rounded (with computation being performed with the rounded values), and choosing to select/unselect adjusting entry

categories and to show the Adjusted or Unadjusted balances (with or without the computation of the selected categories of Adjusting Entries).

- Sheets Manager - Travel through the sheets to insert, delete, move and copy sheets, and to create PDF or XPS files for selected sheets.
- Print - Easily select and print the various worksheets containing the financial reports.
- Help - Get Help on ExcelFSM (what you are reading now).

See the following sections to learn about the buttons of each of these groups.

### 3 FSM Context Menu

ExcelFSM adds selected ribbon items to the context menu that pops up when you right click on a worksheet cell:

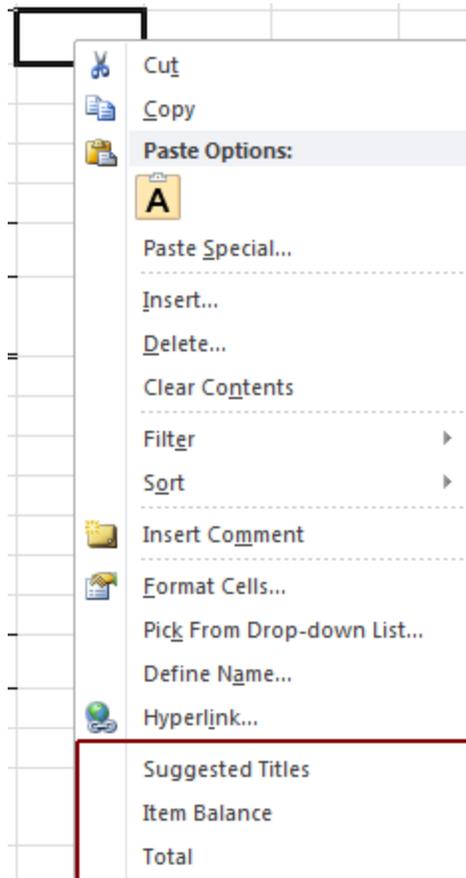
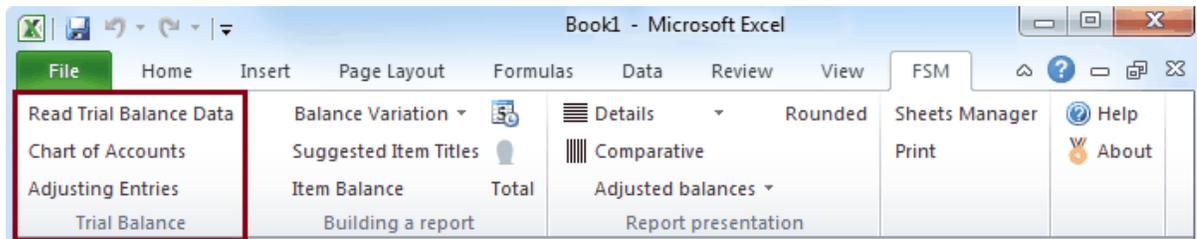


Figure: Right-clicking a worksheet cell shows ExcelFSM has added 3 items for quick access:

- Suggested Titles
- Item Balance
- Total

You may find it's easier to access these items from the context menu rather than the ribbon.

## 4 Trial Balance



The **Trial Balance** buttons let you

- Read the trial balance data from the accounting software and import this data into ExcelFSM.
- View, Edit, and generate a printout sheet for the Chart of Accounts built/updated through the Read process.
- Record Adjusting Entries in these accounts and generate a printout sheet of these entries.

### 4.1 Read Trial Balance Data

Read Trial Balance Data reads the data from the file containing the trial balance produced by accounting software.

The data read from the file by ExcelFSM is the account number, the account Title and the account balance (Debit or Credit).

ExcelFSM retrieves the data directly from QuickBooks, without any need to export or reformat the data.

#### Setting up QuickBooks to work with ExcelFSM

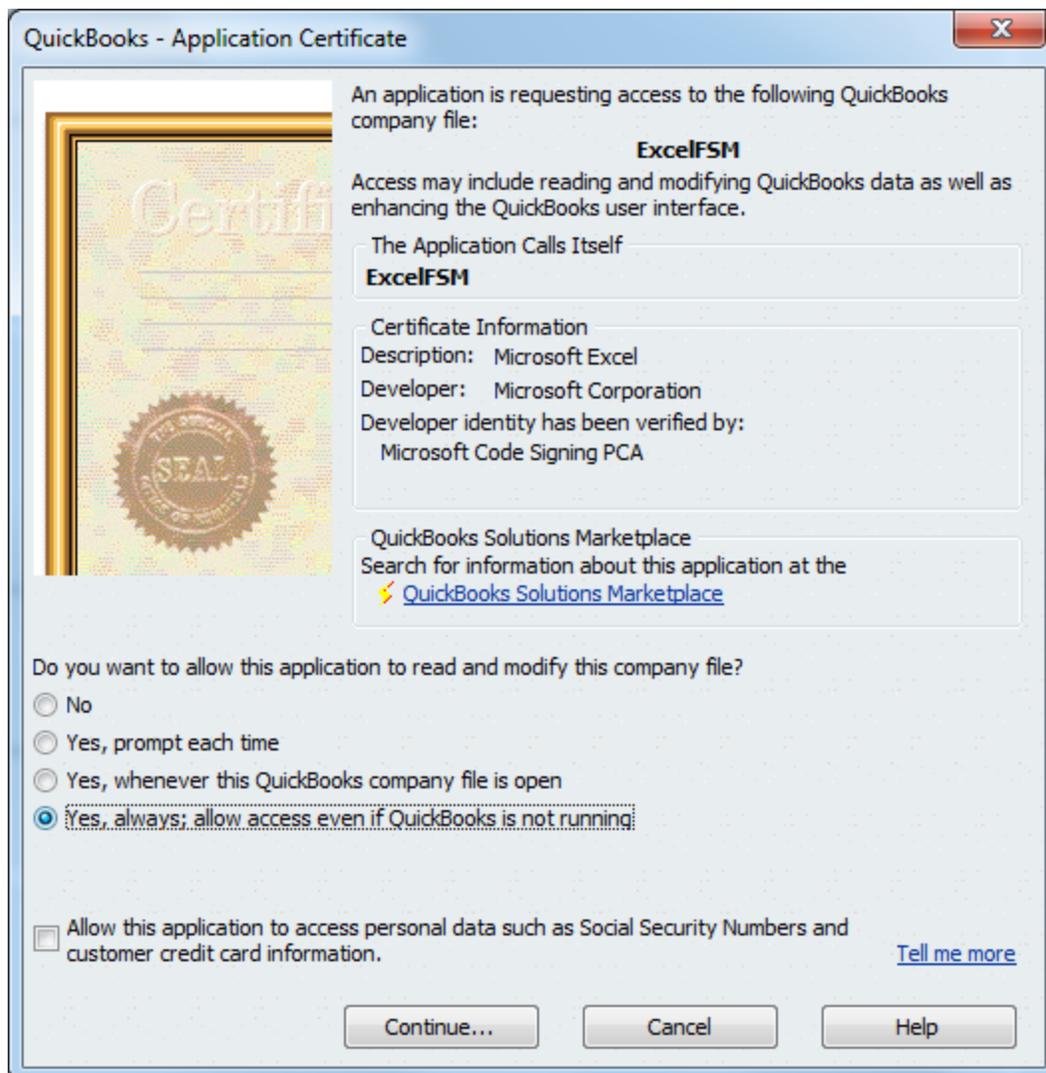
##### QuickBooks Desktop

**NOTE:** The Intuit QuickBooks software must be installed on the PC running ExcelFSM.

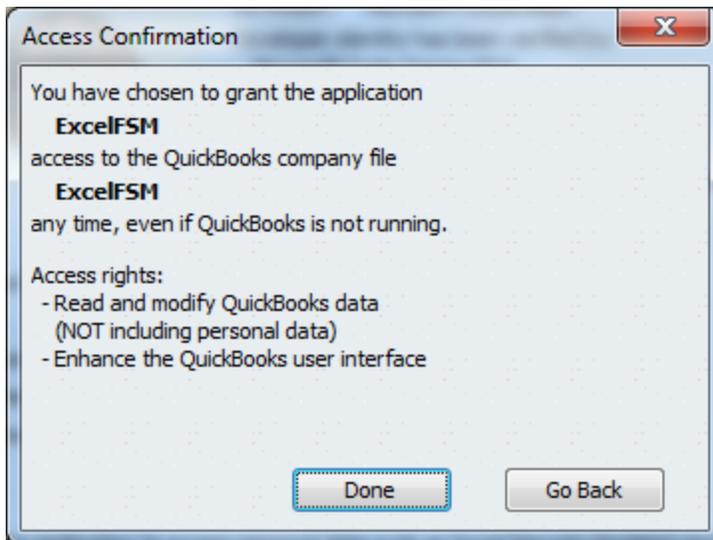
First time you will Read Trial Balance Data in ExcelFSM, you'll be asked to allow ExcelFSM to read and modify QuickBooks company file  
(Note that ExcelFSM does not modify the QuickBooks company file. It only reads data)

Select  Yes, always; allow access even if QuickBooks is not running





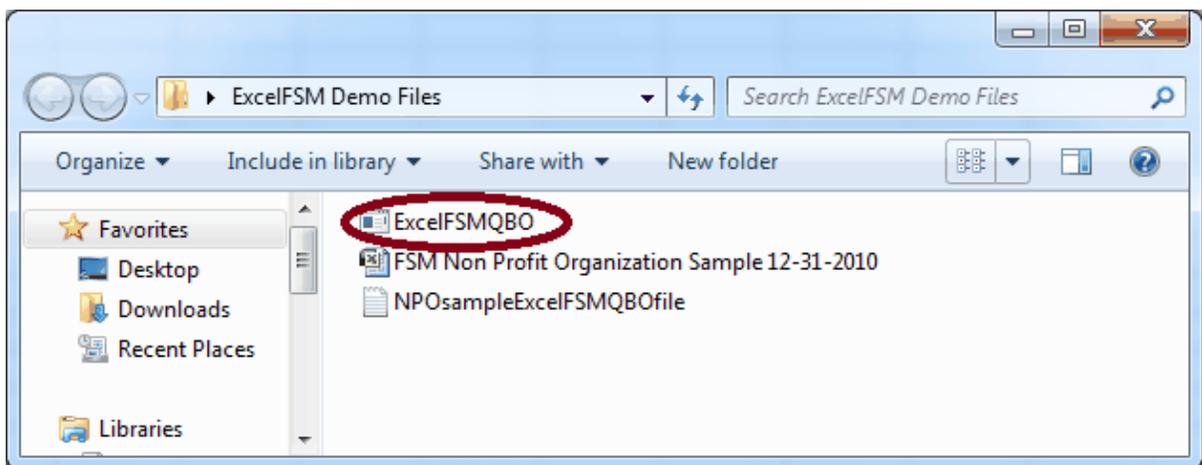
Click Continue



Click Done

### QuickBooks Online

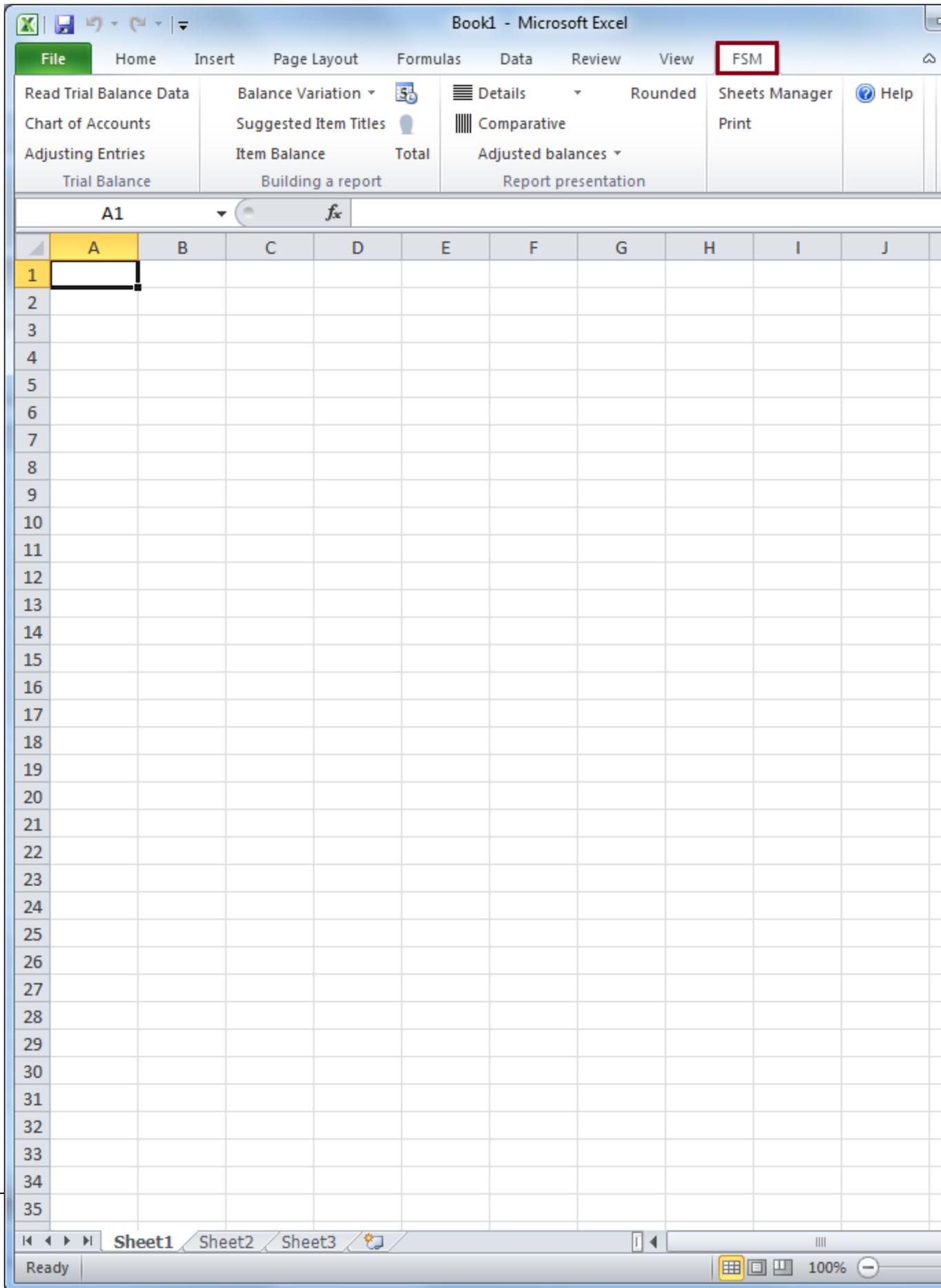
An "ExcelFSMQBO" company file must be created to allow ExcelFSM to read a QuickBooks Online company file. To create an "ExcelFSMQBO" company file, you will use the ExcelFSMQBO.exe utility program installed on your Windows Desktop in a folder called ExcelFSM Demo Files.



See how in the section 'Creating an ExcelFSMQBO company file with the ExcelFSMQBO.exe utility program' at the bottom of this topic.

### Reading the accounting data

Once Excel is running, starting with a blank workbook, select the FSM tab in the ribbon:



## QuickBooks Desktop

If QuickBooks is not running with a company file open, clicking the Read Trial Balance Data button opens the standard Windows dialog:

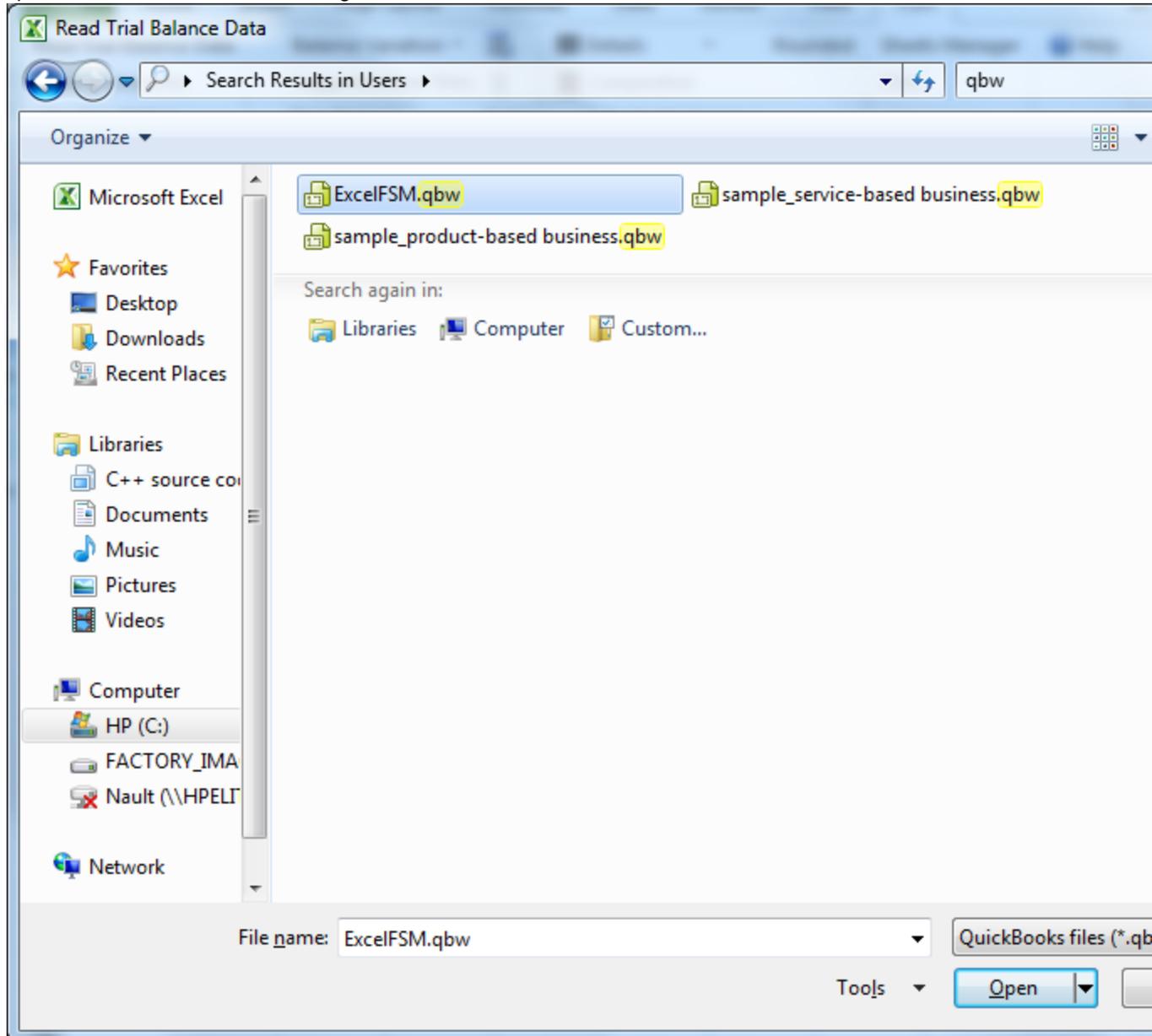


Figure 1: Trial Balance File selector

Type the file extension in the Search field (top right).

Select the file containing the desired trial balance data, and click Open.

## QuickBooks Online

Clicking the Read Trial Balance Data button opens the standard Windows dialog (QuickBooks Desktop must not be running with a company file open):

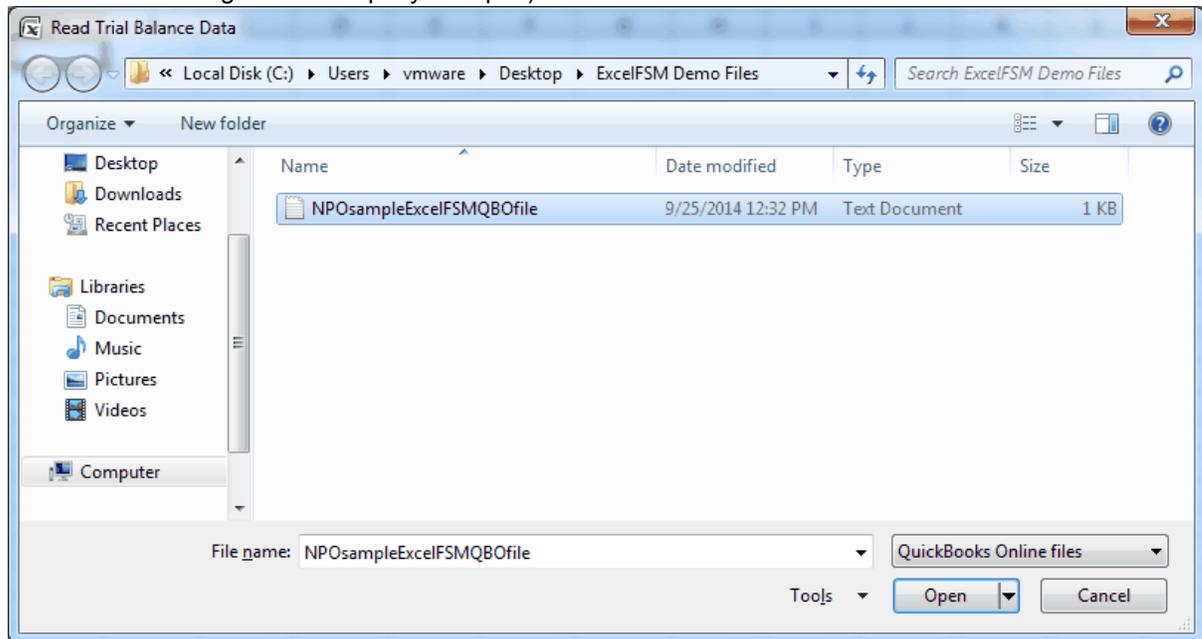


Figure 1: Trial Balance File selector

Select the 'QuickBooks Online files' filetype (bottom right)

Select the file containing the desired ExcelFSMQBO company file, and click Open.

Note: a demo file is installed on your Windows Desktop (in a folder called 'ExcelFSM Demo Files').

ExcelFSM shows the following dialog to allow you to specify additional information about this trial balance:

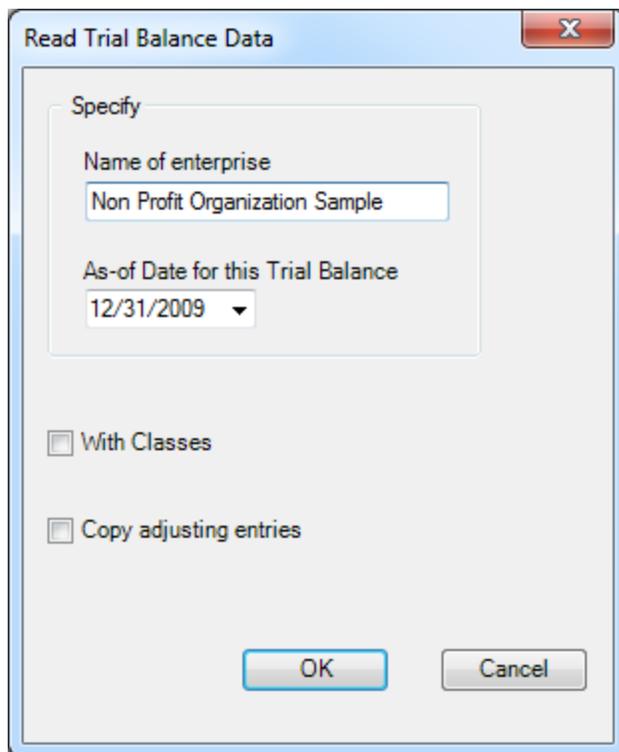


Figure 2: Trial Balance Information for QuickBooks file

**Name of enterprise** - The name of the enterprise identifies the Excel workbook (along with the as of date), fills the selected worksheet cell when the Enterprise Name button is clicked.

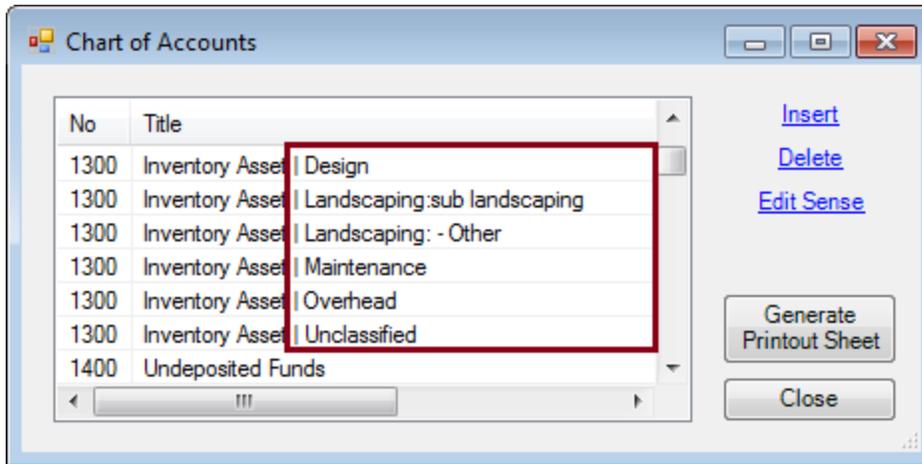
**As-of-Date for this Trial Balance** - The date of the trial balance will be used, along with the enterprise name, to identify the Excel workbook, to initialize a cell with the As-of Date button, to compute balance variation between two financial periods, as well as to select the Comparative periods balances.

NOTE: The above dialog (Figure 2) will be empty if it is a blank workbook. Make sure you put the right as-of date.

For subsequent financial periods, you will be updating an existing FSM workbook by reading the trial balance data with another as-of date. The above dialog will be pre-filled according to the previous financial period. It will be important that you update the as-of date to reflect the new period; otherwise, ExcelFSM will assume you are re-reading an amended trial balance for an existing period and, if you confirm to proceed, will update the existing period's data instead of processing a new period (Yes, ExcelFSM has the capacity to process amended trial balances and automatically update the financial reports). ExcelFSM has also the capacity to add prior periods to an existing FSM workbook.

**With Classes** - Check if you want the "classes" to be part of the trial balance (QuickBooks Desktop only).

The classes will appear in the Chart of Accounts and identified by " | <Class name>:<Subclass name>" inserted at the end of the account's title.



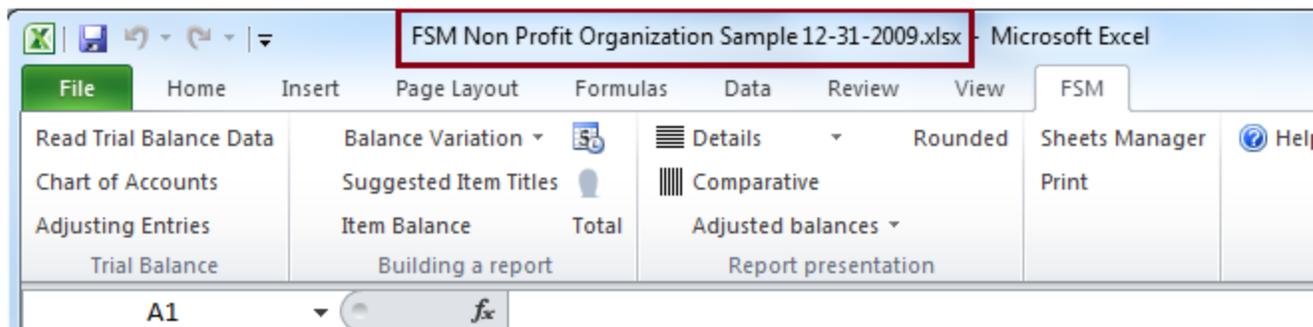
If one or more classes of an account has a non-zero balance, then all classes of that account will appear.  
 If one or more subclasses of a class has a non-zero balance, then all subclasses of that class will appear.  
 If all classes (or subclasses) of an account have zero balances, they will not appear.

**Copy adjusting entries** - Check if you want to copy the current adjusting entries for the new financial period. You will be able to edit or delete these according to the new financial period. This feature is useful, for example, if the adjusting entries must be repeated one financial period after the other.

## Results

Click OK. The following actions occur:

- The trial balance data is imported and organized
- A new FSM workbook is created. It's name is <Enterprise> <As-of date>.



- A new worksheet named 'ReadTBData printout' is inserted into this workbook. (The account's number and title are displayed in cell E1 during the process.)

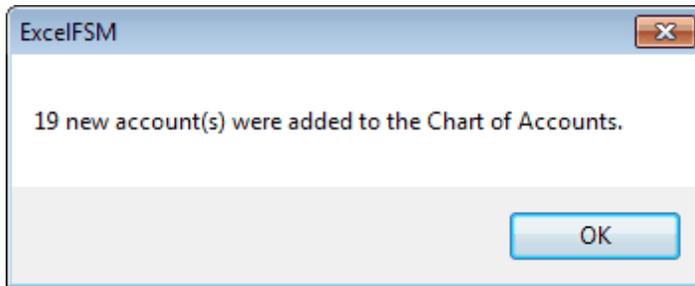


- The Chart of Accounts is opened.

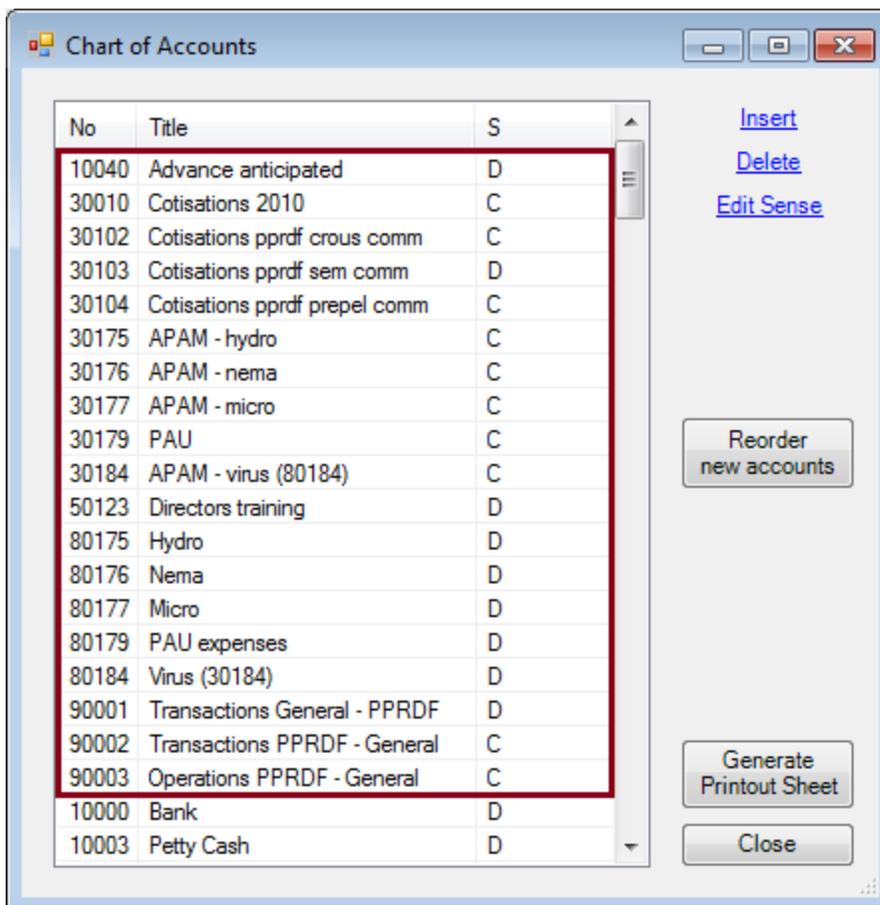
### Updating the Chart of Accounts

If this is the first time the workbook has had a trial balance read into it, a Chart of Accounts is built.

If the workbook contained previous trial balances, the Chart of Accounts, which was previously built, is updated. The number of new accounts that were added to the Chart of Accounts is displayed:



The new accounts are shown at the top of the Chart:



You may reorder these new accounts by dragging and dropping with the mouse or by clicking the

'Reorder new accounts' button, whenever you wish. A good time to do so is after you've grouped them into the proper financial reports Items.

Note: Account titles changed in the accounting software will likewise be changed in ExcelFSM.

### **ReadTBData printout**

The 'ReadTBData printout' shows the data read by ExcelFSM:

- Name of enterprise
- As-of-Date
- With Classes (checked or not)
- Copy adjusting entries (checked or not)
- Data of the trial balance
- Number of accounts
- Computed totals for Debit and Credit

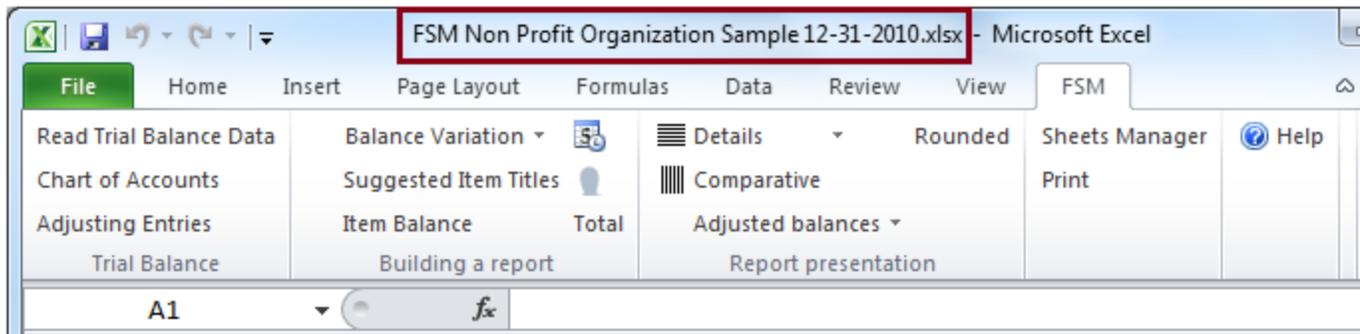
Note: The only purpose for this worksheet is to help you verify that the Trial Balance was read correctly. You may print it, delete it, etc.

### **Updated Reports**

Any existing reports in your workbook are automatically updated with the new trial balance data:

- Item balances are updated to reflect the new account balances.
- Totals are then updated according to the new Item balances.
- As-of dates are updated.
- If Transfer adjusting entries was checked, the adjusting entries of the previous financial period are copied into the new financial period.

### **New Workbook created for each subsequent financial period**



When the trial balance data for a new financial period (i.e. the As-of date has changed) is read and this new financial period is subsequent to the last financial period read, i.e. not a prior period added to an existing FSM workbook, the existing workbook is copied, and the new period's data is read into *the new copy* of the workbook.

Your original workbook will not be altered, and thus will contain only the data from the previous financial period. As more financial periods are read, you will retain a historical series of workbooks, one for each of their respective financial periods.

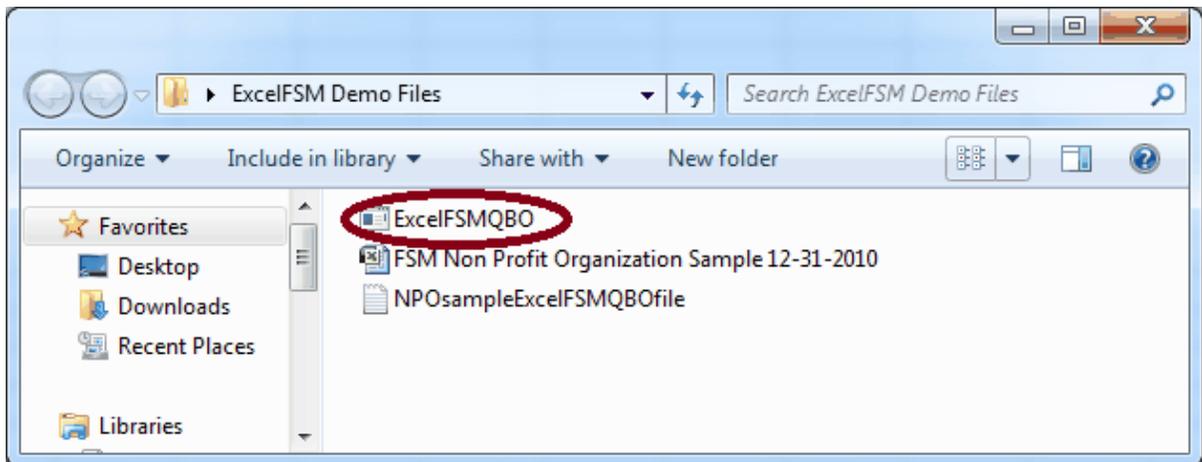
Note: Since the name of the workbook contains the Enterprise name and As-of date, the workbooks are easy to identify.

Note: Account balances of previous financial periods are preserved in the new workbook containing the latest financial period and are used for the Comparative presentation. However, you might need to access a historical workbook to see things like the Chart of Accounts as of a previous period, and the Adjusting Entries used in a previous period.

## Creating an ExcelFSMQBO company file with the ExcelFSMQBO.exe utility program

An "ExcelFSM QBO" company file containing the keys must be created, to allow ExcelFSM to read the trial balance data from a QuickBooks Online company file.

To create this file, you will use the ExcelFSMQBO.exe utility program installed on your Windows Desktop in a folder called ExcelFSM Demo Files



Double click the ExcelFSMQBO.exe.

The following dialog is displayed

A screenshot of the 'ExcelFSMQBO' application dialog box. The window title is 'ExcelFSMQBO'. The dialog contains several input fields and dropdown menus:

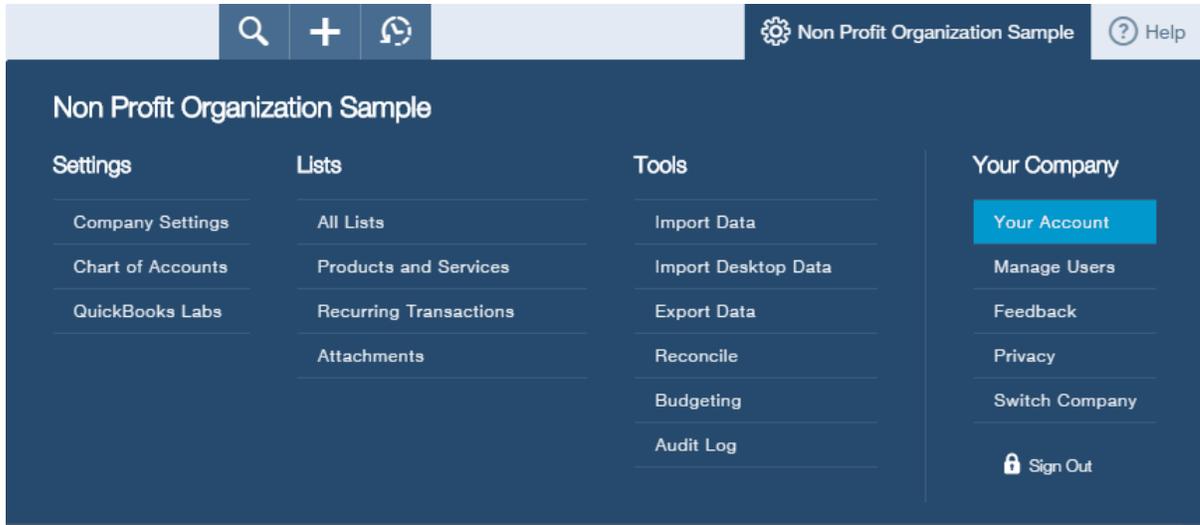
- Company ID: A text input field.
- Accounting method: A dropdown menu with 'Accrual' selected.
- First month of fiscal year: A dropdown menu with 'January' selected.
- Account numbers: A dropdown menu with 'Off' selected.
- Consumer Key: A text input field.
- Consumer Secret: A text input field.
- Access Token: A text input field.
- Access Token Secret: A text input field.

At the bottom of the dialog, there are two buttons: 'Edit existing file' on the left and 'Save to file' on the right.

Follow the instructions below to get the data required to fill the fields and create the ExcelFSMQBO company file.

Company ID:

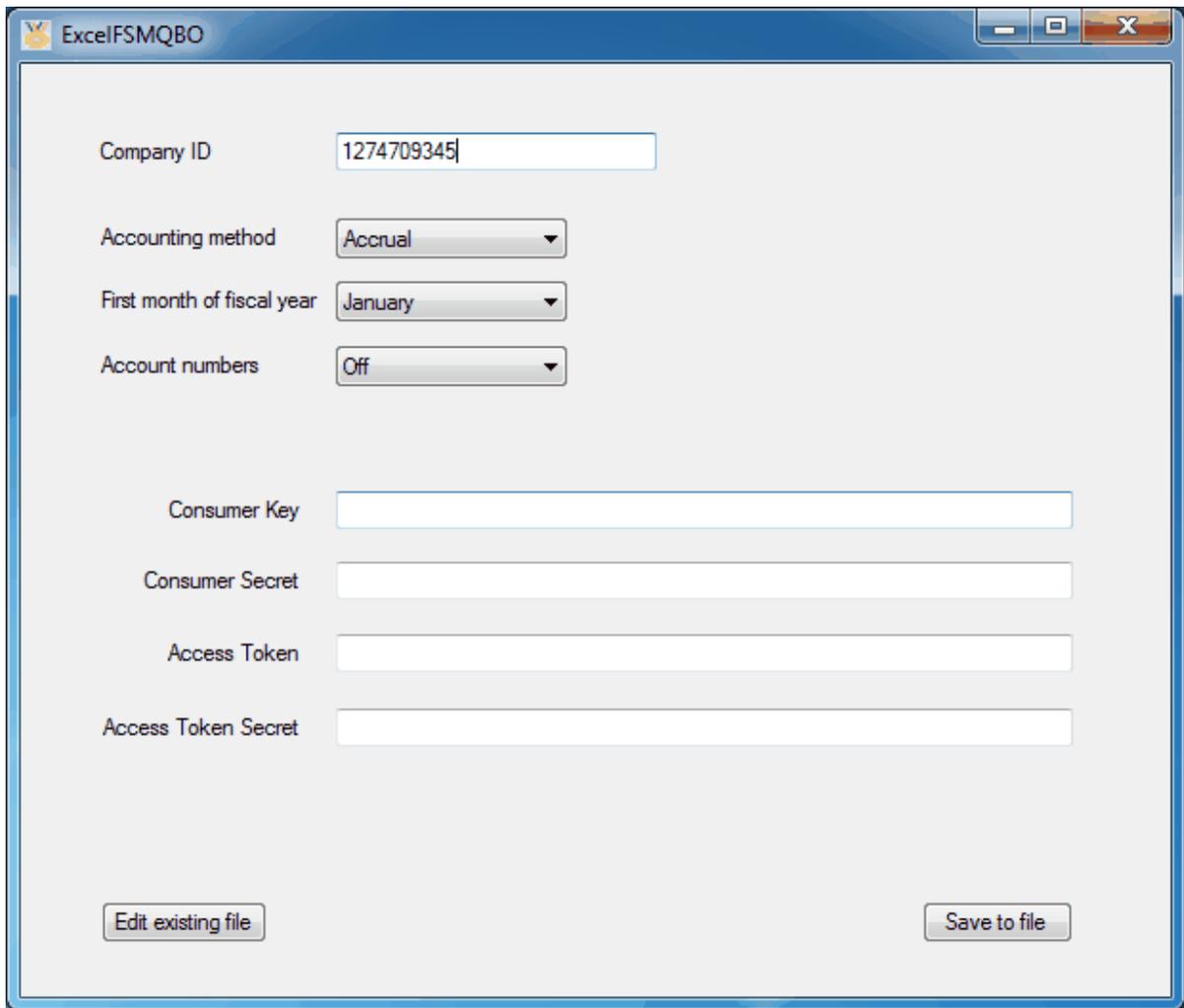
In your QuickBooks Online Company, click 'Your Account'



Your Account



Copy&Paste the Company ID in the ExcelFSMQBO Company ID field



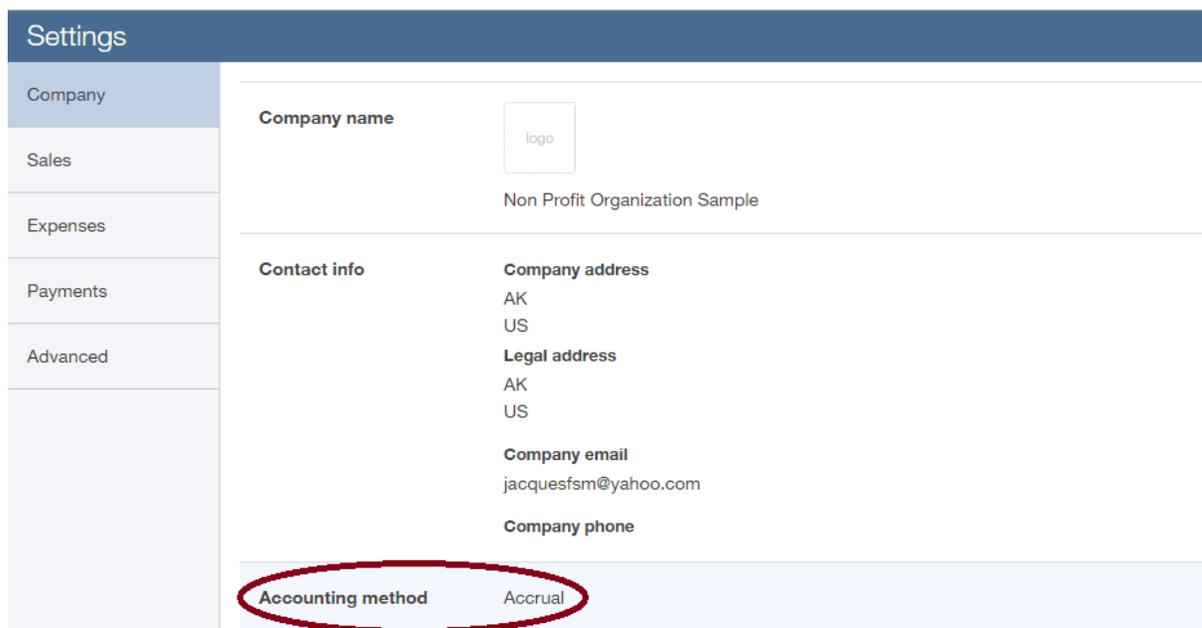
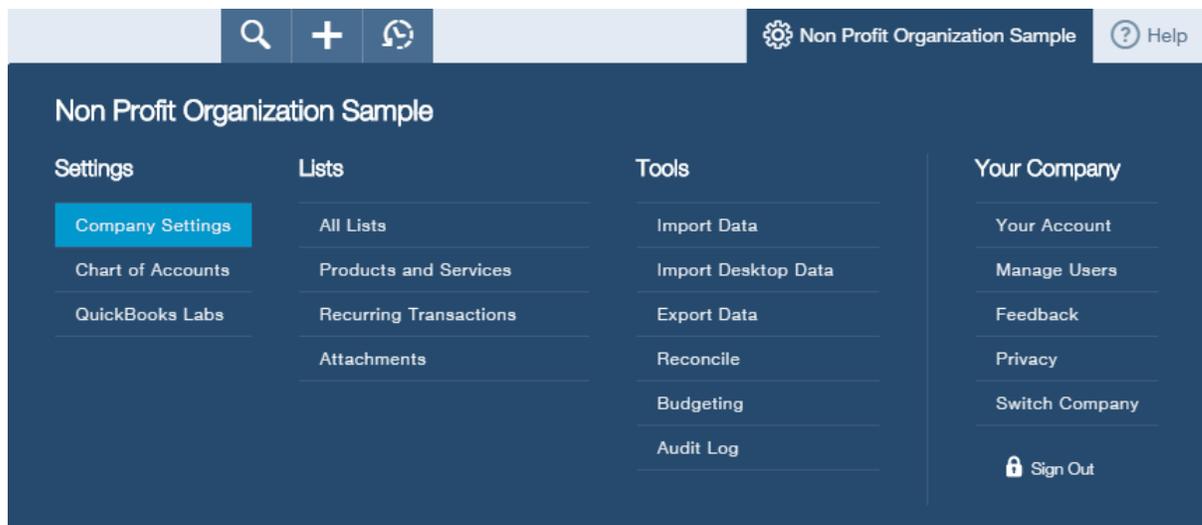
The screenshot shows a window titled "ExcelFSMQBO" with the following fields and controls:

- Company ID:
- Accounting method:
- First month of fiscal year:
- Account numbers:
- Consumer Key:
- Consumer Secret:
- Access Token:
- Access Token Secret:

Buttons at the bottom:  and

Accounting method (Accrual or Cash):

Click 'Company Settings', in your QuickBooks Online Company



Set the ExcelFSMQBO company file Accounting method according to the Company Settings

The screenshot shows the ExcelFSMQBO application window with the following configuration options:

- Company ID: 1274709345
- Accounting method: Accrual (dropdown menu is open showing Accrual and Cash)
- First month of fiscal year: Cash (dropdown menu is open showing Accrual and Cash)
- Account numbers: Off (dropdown menu)
- Consumer Key: [Empty text field]
- Consumer Secret: [Empty text field]
- Access Token: [Empty text field]
- Access Token Secret: [Empty text field]

Buttons at the bottom: Edit existing file (left), Save to file (right).

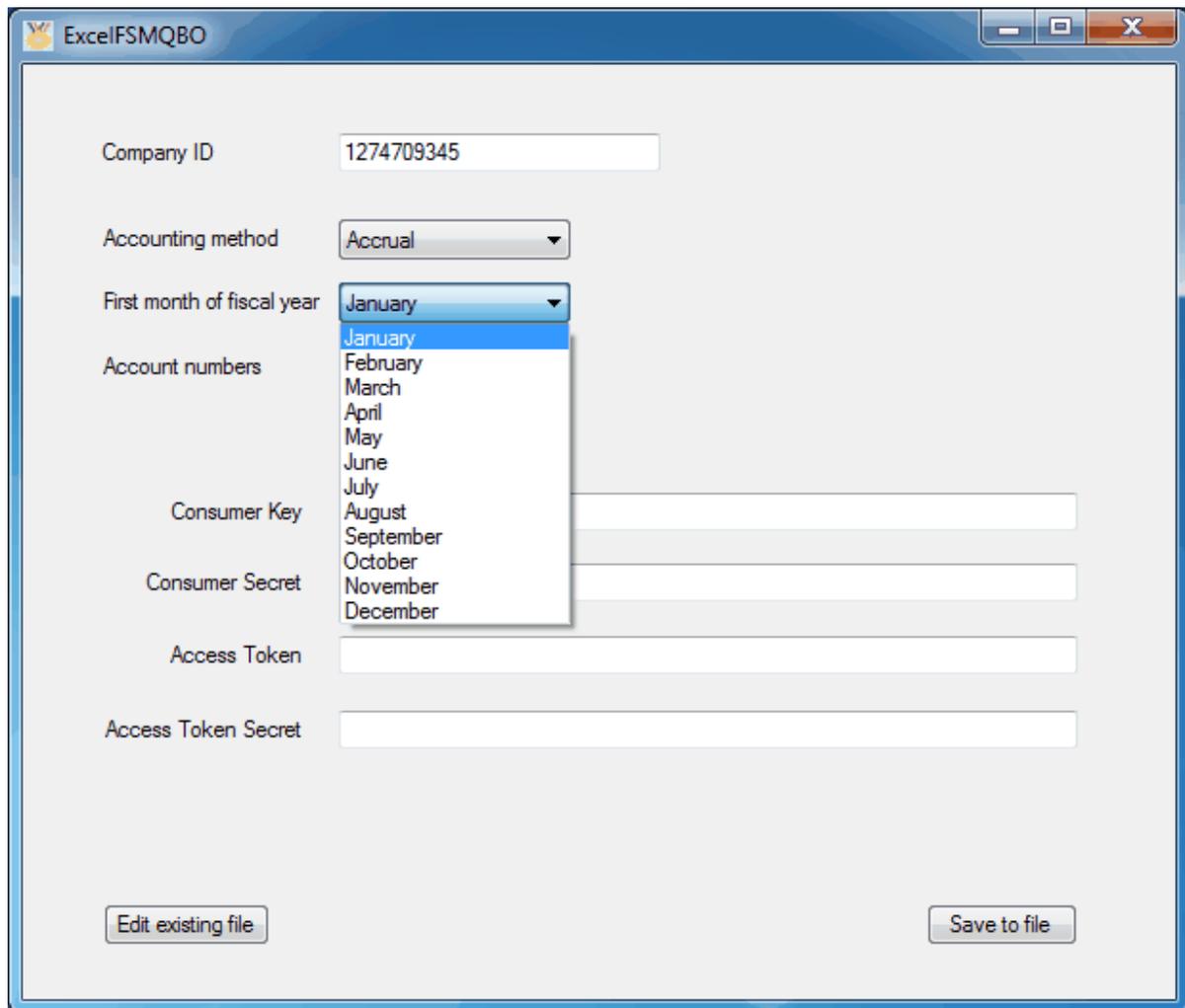
First month of fiscal year and Account numbers (On or Off):

Click 'Advanced' in the Company Settings

Settings		
Company	<b>Accounting</b>	First month of fiscal year: January
Sales		First month of income tax year: Same as fiscal year
Expenses		Close the books: Off
Payments	<b>Chart of accounts</b>	Account numbers: On
Advanced		Markup income account: Markup



Set the ExcelFSMQBO First month of fiscal year according to the Company Settings

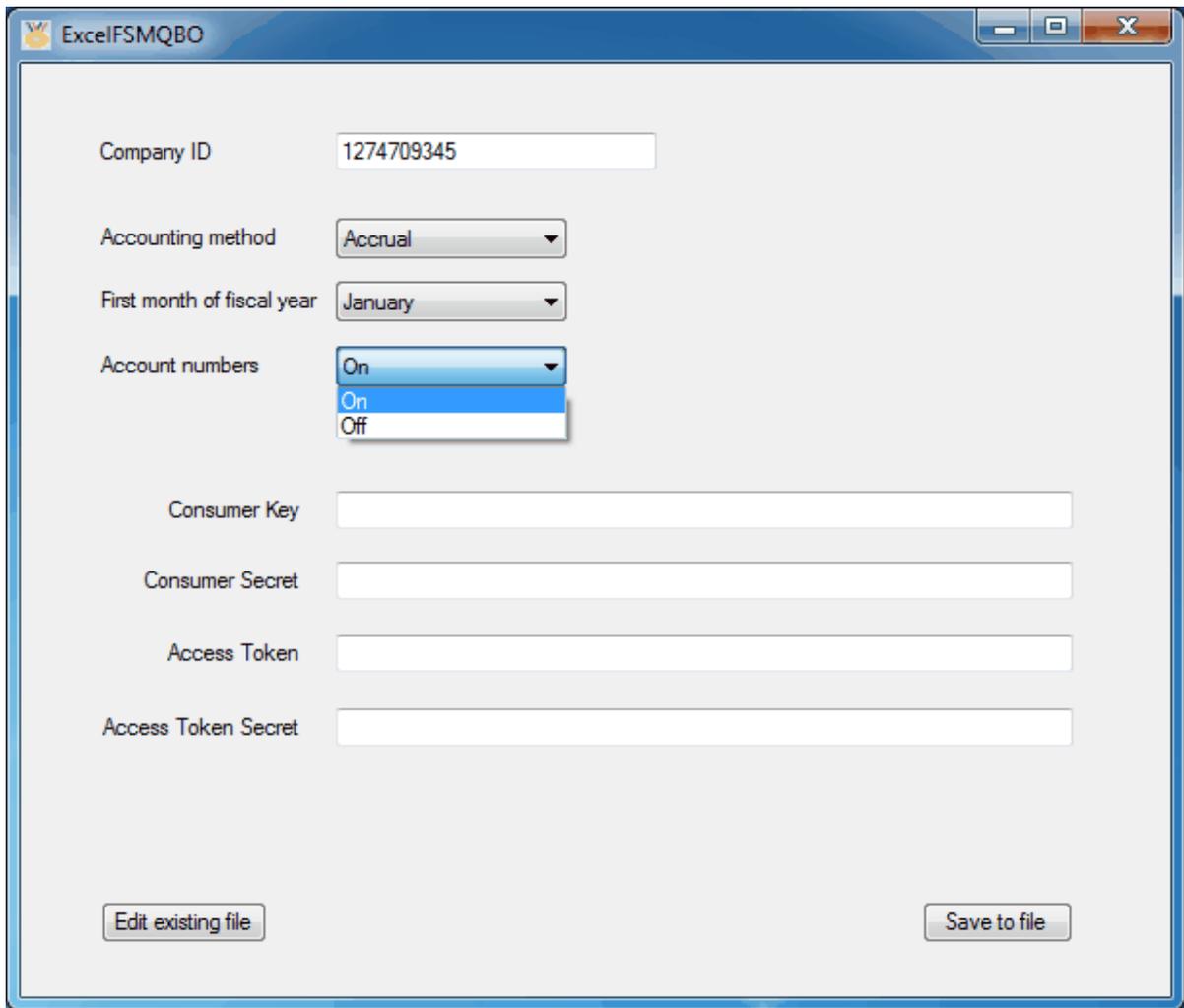


The screenshot shows the ExcelFSMQBO application window with the following settings:

- Company ID: 1274709345
- Accounting method: Accrual
- First month of fiscal year: January (with a dropdown menu open showing options from January to December)
- Account numbers: (empty text field)
- Consumer Key: (empty text field)
- Consumer Secret: (empty text field)
- Access Token: (empty text field)
- Access Token Secret: (empty text field)

Buttons at the bottom: Edit existing file, Save to file

Set the ExcelFSMQBO Account numbers according to the Company Settings



The screenshot shows a window titled "ExcelFSMQBO" with the following fields and controls:

- Company ID: Text input field containing "1274709345".
- Accounting method: Dropdown menu set to "Accrual".
- First month of fiscal year: Dropdown menu set to "January".
- Account numbers: Dropdown menu with "On" selected and "Off" visible in the open list.
- Consumer Key: Empty text input field.
- Consumer Secret: Empty text input field.
- Access Token: Empty text input field.
- Access Token Secret: Empty text input field.
- Buttons: "Edit existing file" and "Save to file" at the bottom.

Consumer Key, Consumer Secret, Access Token, Access Token Secret:

Having an account on QuickBooks Online, you have access to the Intuit App Center Playground, which allows to generate the required keys/tokens to be specified in the remaining fields.

- Click this link <https://appcenter.intuit.com/Playground/OAuth>

- Copy&Paste the following code >981ccce7bc5cfb47aabb918b288e0fa4bdf3< in the App Token field of the OAuth Playground

https://appcenter.intuit.com/Playground/OAuth

Intuit App Center | Playground

Go to My Apps | Sign Out 

- [Home](#)
- [OAuth Access](#)
- [OAuth API Console](#)
- [Intuit Anywhere](#)

### OAuth Playground for IPP Developers

This Web page demonstrates the interaction between a consumer application and Intuit Partner Platform Services to negotiate for an OAuth access token for use with IPP APIs. This OAuth token authenticates users without requiring them to log in each time. [Learn more.](#)

**Step 1. Dynamic Consumer Creation**

To simulate a desktop or mobile application flow, use the dynamic key mechanism: Enter your consumer key (aka Application Token), click Get Key and Secret Using App Token, and a dynamic consumer key and secret will be returned. The rest of the flow is the same as the typical 3-legged OAuth scenario.

App Token

Consumer Key

Consumer Secret

**Step 2. Request Token**

This step negotiates for an unauthorized request token from Intuit OAuth Services.

Request Token

Request Token Secret

**Step 3. Authorize Request Token**

In this step, clicking Authorize Request Token takes you to the IPP OAuth Authorization page. When you click Authorize, you have granted access to your App, and you will be re-directed back here.

**Step 4. Get Access Token**

Access Token

Access Token Secret

Click 'Get Key and Secret using App Token'

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### Step 4. Get Access Token

Access Token

Access Token Secret

The Consumer Key and Consumer Secret are generated

Click 'Get Request Token using Key and Secret'

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Request Token Secret

**Step 3. Authorize Request Token**

In this step, clicking Authorize Request Token takes you to the IPP OAuth Authorization page. When you click Authorize, you have granted access to your App, and you will be re-directed back here.

**Step 4. Get Access Token**

Access Token

Access Token Secret

The Request Token and Request Token Secret are generated

Click 'Authorize Request Token'

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[OAuth API Console](#)
[Intuit Anywhere](#)

## OAuth Playground for IPP Developers

This Web page demonstrates the interaction between a consumer application and Intuit Partner Platform Services to negotiate for an OAuth access token for use with IPP APIs. This OAuth token authenticates users without requiring them to log in each time. [Learn more.](#)

## Step 1. Dynamic Consumer Creation

To simulate a desktop or mobile application flow, use the dynamic key mechanism: Enter your consumer key (aka Application Token), click Get Key and Secret Using App Token, and a dynamic consumer key and secret will be returned. The rest of the flow is the same as the typical 3-legged OAuth scenario.

App Token

Get Key and Secret using App Token

Consumer Key

Consumer Secret

## Step 2. Request Token

This step negotiates for an unauthorized request token from Intuit OAuth Services.

Get Request Token using Key and Secret

Request Token

Request Token Secret

## Step 3. Authorize Request Token

In this step, clicking Authorize Request Token takes you to the IPP OAuth Authorization page. When you click Authorize, you have granted access to your App, and you will be re-directed back here.

Authorize Request Token

## Step 4. Get Access Token

Access Token

Access Token Secret

The following dialog appears

**ExcelFSM would like to access your Intuit company data**

By approving this request, **ExcelFSM** will be able to access your company data. You can revoke access anytime under "Data access settings" at Intuit App Center.

 [Learn how Intuit protects your data](#)

[No, Thanks](#)

Click 'Authorize'

The following dialog appears

**You are securely connected to ExcelFSM**

Great! You are securely connected to ExcelFSM. If you ever want to revoke access, go to the [Access](#) section under "My Account".

**Return to ExcelFSM**

If ExcelFSM is requesting you to copy/paste a code, please use **zbu9uth**

Click 'Return to ExcelFSM'

The Access Token and Access Token Secret are generated

## Intuit App Center | Playground

[Go to My Apps](#) | [Sign Out](#)

intuit.



### OAuth Playground for IPP Developers

This Web page demonstrates the interaction between a consumer application and Intuit Partner Platform Services to negotiate for an OAuth access token for use with IPP APIs. This OAuth token authenticates users without requiring them to log in each time. [Learn more.](#)

**Step 1. Dynamic Consumer Creation**

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App Token

Consumer Key

Consumer Secret

**Step 2. Request Token**

This step negotiates for an unauthorized request token from Intuit OAuth Services.

Request Token

Request Token Secret

**Step 3. Authorize Request Token**

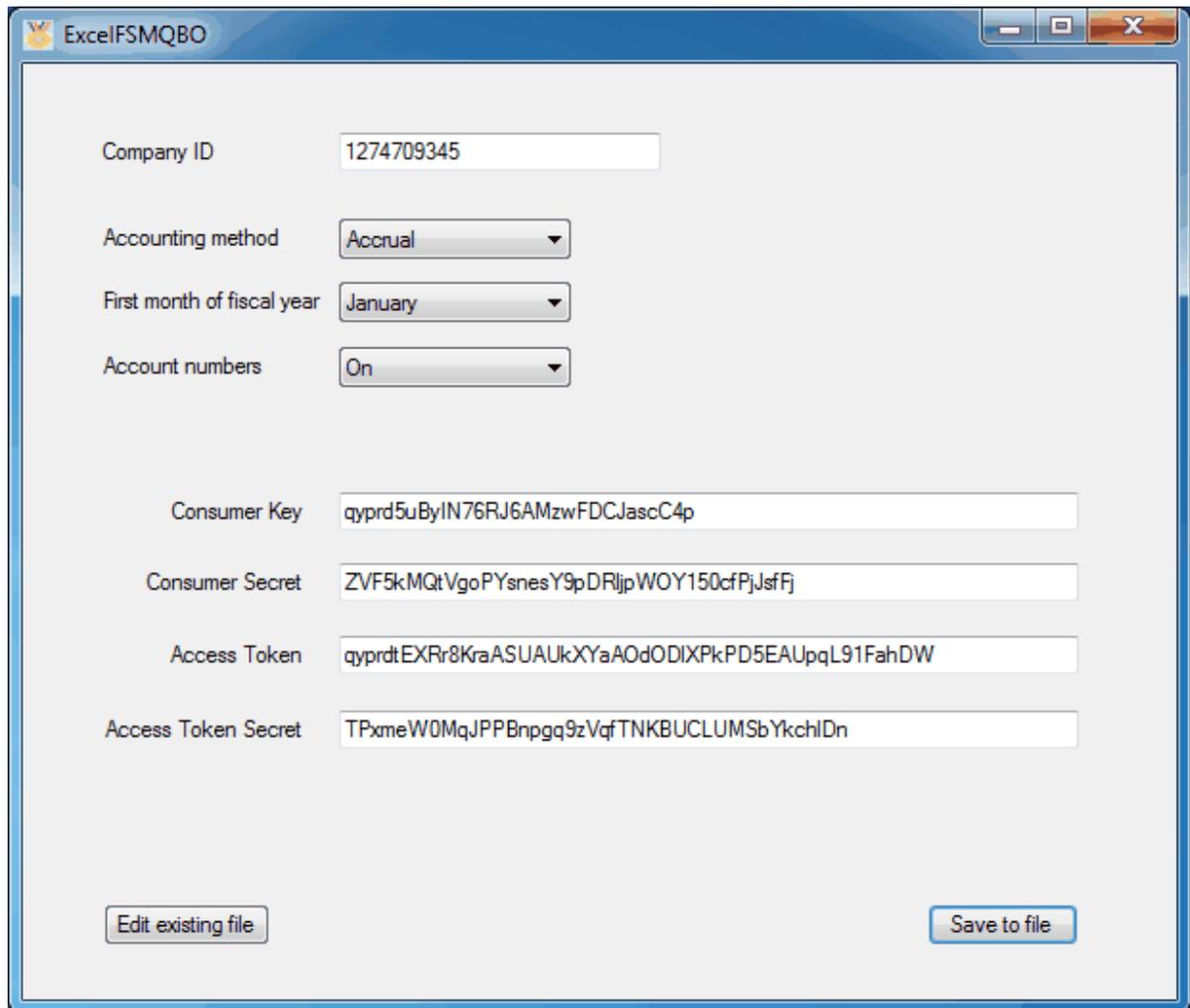
In this step, clicking Authorize Request Token takes you to the IPP OAuth Authorization page. When you click Authorize, you have granted access to your App, and you will be re-directed back here.

**Step 4. Get Access Token**

Access Token

Access Token Secret

Copy&Paste the contents of the four fields in the corresponding ExcelFSMQBO four fields



The screenshot shows a window titled "ExcelFSMQBO" with the following fields and values:

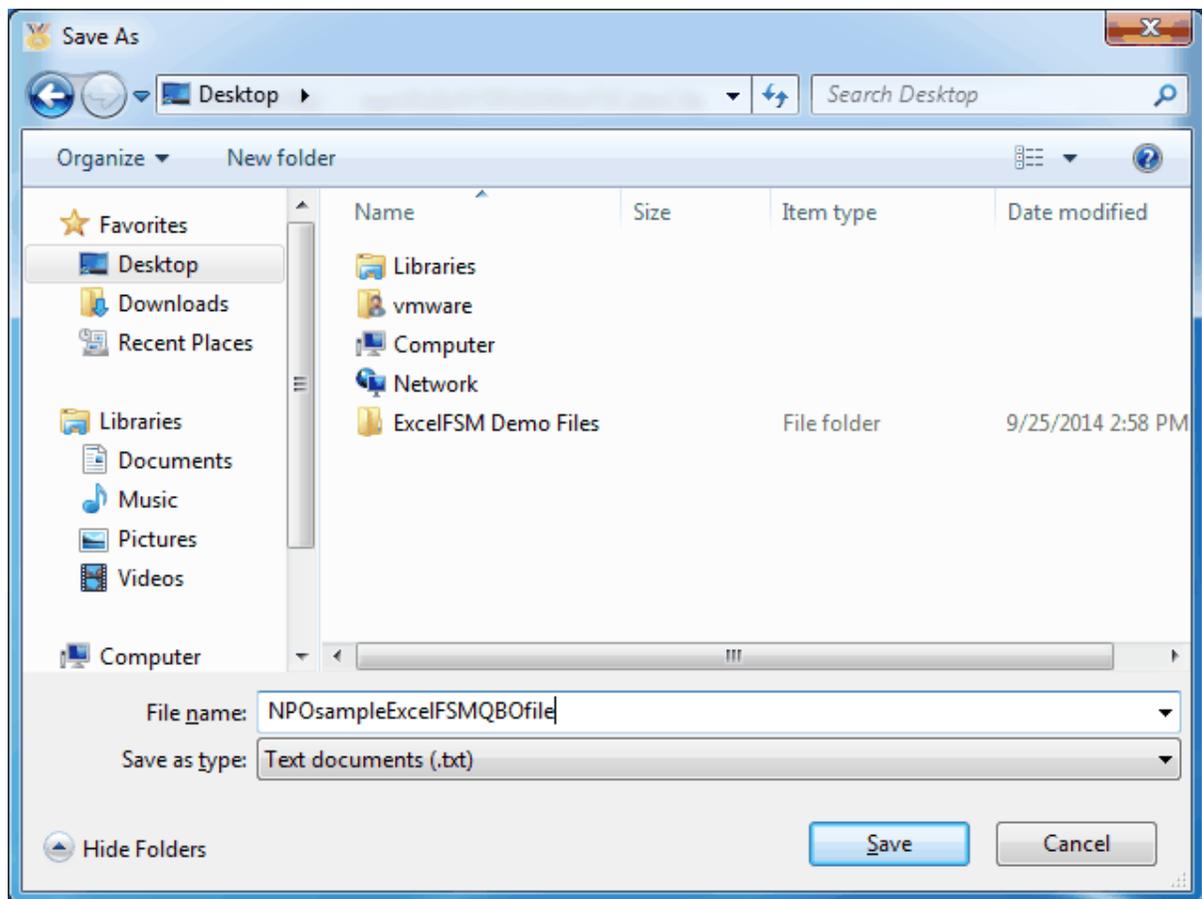
Field	Value
Company ID	1274709345
Accounting method	Accrual
First month of fiscal year	January
Account numbers	On
Consumer Key	qyprd5uByIN76RJ6AMzwFDCJascC4p
Consumer Secret	ZVF5kMQtVgoPYsnesY9pDRljpWOY150cfPjJsfFj
Access Token	qyprdtEXRr8KraASUAUkXYaAOdODIXPkPD5EAUpqL91FahDW
Access Token Secret	TPxmeW0MqJPPBnpgq9zVqfTNKBUCLUMSbYkchIDn

Buttons at the bottom: "Edit existing file" (left) and "Save to file" (right).

Click 'Save to file'

Select a folder and specify a name for the ExcelFSMQBO file ('<enterprise name>ExcelFSMQBOfile', for example).





Click 'Save'

ExcelFSM will now be able to read the trial balance data from your QuickBooks Online company file, by simply clicking the 'Read Trial Balance Data' button in the FSM ribbon, and selecting the ExcelFSM QBO file you created.

## 4.2 Chart of Accounts

View, edit, re-order, and print the Chart of Accounts that is built from the read trial balance data.

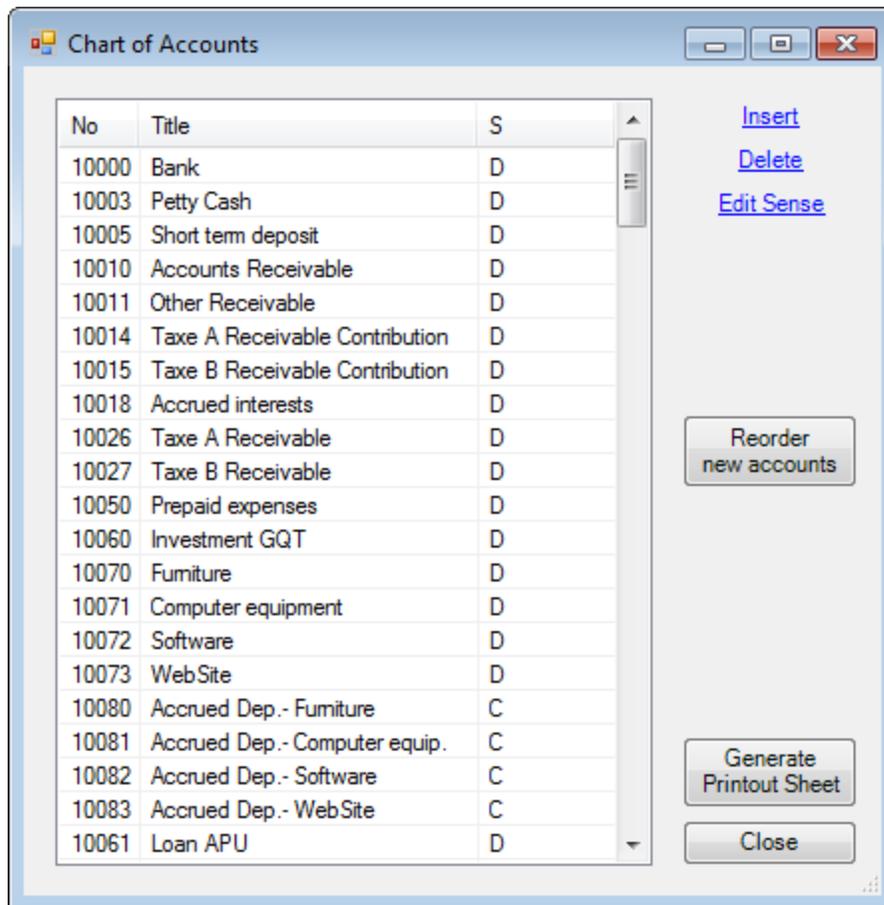


Chart of Accounts dialog.

Each account has its Number, Title (description), and Sense (Debit or Credit) displayed. The Chart of Accounts dialog is movable and resizable. The bigger you make the window, the more accounts are visible.

**Insert** - Insert a new account above the currently selected account.

1. A blank row is inserted into the list
2. Type the account number into the first column
3. Press the Tab key to fill in the Title column
4. Press the Tab key again to specify the Sense (Debit or Credit).
5. Press the Tab key a final time to finish the insertion.

**Delete** - Delete the currently selected account. The account will be deleted only if it has no balance, current or prior, has no adjusting entry, and is not grouped into any Items.

**Edit Sense** - Edit the sense of the currently selected account. Only the account's sense can be changed (not its account number or title, as these fields uniquely identify the account in subsequent financial periods).

**NOTE:** The default Sense of an account is the accounting sense of the account's balance (Debit or

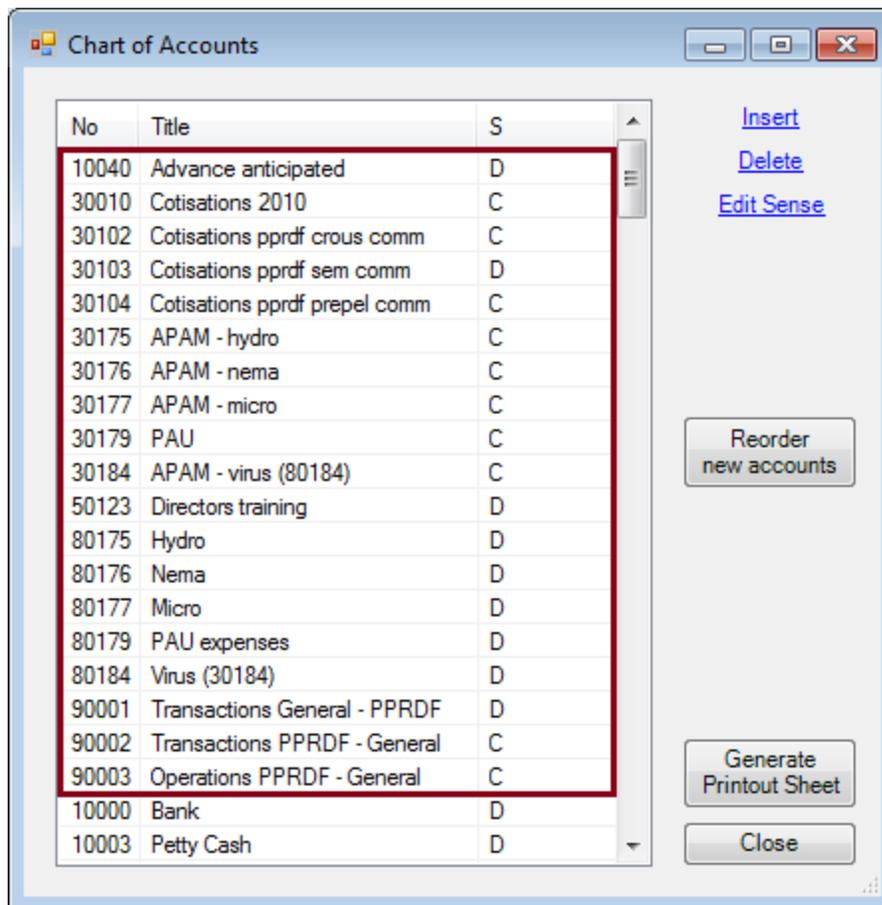
Credit), as read from the trial balance. The Sense of an account is used only for presentation purposes, e.g. in the Account Balance Detail dialog, it allows ExcelFSM to show whether an entry increases or decreases the balance of the account. The default Sense of an Item is the Sense of its first grouped account.

**Re-ordering accounts in the Chart of Accounts**

The sequence of the accounts in the Chart is of no importance to ExcelFSM. You are free to change the order for your convenience. Simply click on the account you wish to move and drag it up and down in the list with the mouse. The list will scroll as you drag near the top and bottom borders. Drop the item at the desired location. Don't be afraid - this will not change the groupings you made for the Items of the financial reports.

HINT: Enlarge the Chart of Accounts dialog so that more accounts are visible, and it will be easier to find the desired location in the list.

Reading Trial Balance Data of succeeding financial periods, the new accounts are shown at the top of the Chart:



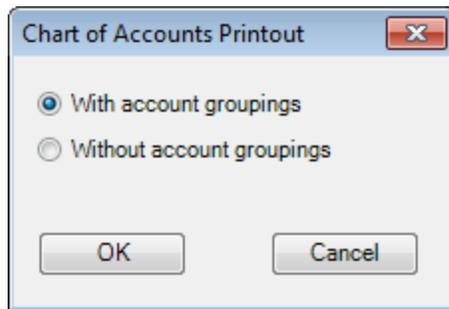
You may reorder these new accounts by dragging and dropping with the mouse or by clicking the

'Reorder new accounts' button. Clicking the 'Reorder new accounts' button will move the new accounts in the sequence they were from the previous read trial balance. A good time to do so is after you've grouped them into the proper financial reports Items.

NOTE: In the case where the sequence order of a new account is above or below an account that is in the Chart of Accounts but not in the read trial balance (for example new account 30184 in the demo file TB2010 and account 30183, which is in the Chart of accounts but not in TB2010), the new account will be reordered above the account that comes after the account preceding the new account in the read trial balance (30182 preceding 30184 in the read trial balance, 30184 will be moved above 30183 which comes after 30182 in the Chart of Accounts). In such particular case, simply complete the reordering of this new account by dragging and dropping with the mouse.

**Generate Printout Sheet** - Generate a new worksheet for the Chart of Accounts, ready to print.

Clicking the Generate Printout Sheet button displays the following dialog



Select With or Without account groupings and click OK

A new worksheet is created and a Chart of Accounts printout is generated:

With account groupings

	A	B	C	D
1		Non Profit Organization Sample		
2		Chart of Accounts		
3		12/31/2010		
4				
5	No	Title	Sense	Cumu
6	10000	Bank	Debit	
7	10003	Petty Cash	Debit	
8	10005	Short term deposit	Debit	
9	10010	Accounts Receivable	Debit	
10	10011	Other Receivable	Debit	
11	10014	Taxe A Receivable Contribution	Debit	
12	10015	Taxe B Receivable Contribution	Debit	
13	10018	Accrued interests	Debit	
14	10026	Taxe A Receivable	Debit	
15	10027	Taxe B Receivable	Debit	
16	10040	Advance anticipated	Debit	
17	10050	Prepaid expenses	Debit	
18	10060	Investment GQT	Debit	
19	10070	Furniture	Debit	
20	10071	Computer equipment	Debit	
21	10072	Software	Debit	
22	10073	WebSite	Debit	
23	10080	Accrued Dep.- Furniture	Credit	
24	10081	Accrued Dep.- Computer equip.	Credit	
25	10082	Accrued Dep.- Software	Credit	
26	10083	Accrued Dep.- WebSite	Credit	
27	10061	Loan APU	Debit	
28	10090	Deposit on Rent	Debit	
29	10091	Deposit on Wages	Debit	
30	10092	Deposit - fringe benefits	Debit	
31	20010	Accounts Payable	Credit	
32	20011	Other Payable	Credit	
33	20012	Wages payable	Credit	
34	20026	Taxe A Payable	Credit	
35	20027	Taxe B Payable	Credit	
36	20030	Income Taxe A Payable	Credit	
37	20035	Income Taxe B Payable	Credit	
38	20036	RQAP Payable	Credit	
39	20037	FSS Payable	Credit	
40	20038	RRQ Payable	Credit	
41	20050	Unearned Revenue	Credit	
42	20099	Retained Earnings	Credit	E
43	20199	PPRDF	Debit	E
44	20299	Joint Committee balance	Credit	E
45	30010	Cotisations 2010	Credit	E
46	30023	Cotisations 03 (A=0.08 P=0.01)	Credit	E

[Chart of Accounts printout](#)

Cumulative

General funds

PPRDF funds

Joint Comm

Without account groupings

	A	B	C
1		Non Profit Organization Sample	
2		Chart of Accounts	
3		12/31/2010	
4			
5	No	Title	Sense
6	10000	Bank	Debit
7	10003	Petty Cash	Debit
8	10005	Short term deposit	Debit
9	10010	Accounts Receivable	Debit
10	10011	Other Receivable	Debit
11	10014	Taxe A Receivable Contribution	Debit
12	10015	Taxe B Receivable Contribution	Debit
13	10018	Accrued interests	Debit
14	10026	Taxe A Receivable	Debit
15	10027	Taxe B Receivable	Debit
16	10040	Advance anticipated	Debit
17	10050	Prepaid expenses	Debit
18	10060	Investment GQT	Debit
19	10070	Furniture	Debit
20	10071	Computer equipment	Debit
21	10072	Software	Debit
22	10073	WebSite	Debit
23	10080	Accrued Dep.- Furniture	Credit
24	10081	Accrued Dep.- Computer equip.	Credit
25	10082	Accrued Dep.- Software	Credit
26	10083	Accrued Dep.- WebSite	Credit
27	10061	Loan APU	Debit
28	10090	Deposit on Rent	Debit
29	10091	Deposit on Wages	Debit
30	10092	Deposit - fringe benefits	Debit
31	20010	Accounts Payable	Credit
32	20011	Other Payable	Credit
33	20012	Wages payable	Credit
34	20026	Taxe A Payable	Credit
35	20027	Taxe B Payable	Credit
36	20030	Income Taxe A Payable	Credit
37	20035	Income Taxe B Payable	Credit
38	20036	RQAP Payable	Credit
39	20037	FSS Payable	Credit
40	20038	RRQ Payable	Credit
41	20050	Unearned Revenue	Credit
42	20099	Retained Earnings	Credit
43	20199	PPRDF	Debit
44	20299	Joint Committee balance	Credit
45	30010	Cotisations 2010	Credit
46	30023	Cotisations 03 (A=0.08 P=0.01)	Credit

You can edit the worksheet before printing.

Note that editing the worksheet will not change the Chart of Accounts.

NOTE: Changes made in the chart of accounts and in the financial reports, after the generation of the printout, are not automatically reflected in the printout. Simply generate a new printout to get an updated one.

**Close** - Close the dialog.

NOTE: Your changes are preserved whether you dismiss the dialog by clicking either the 'X' or the Close button.

### **Saving the Chart of Accounts**

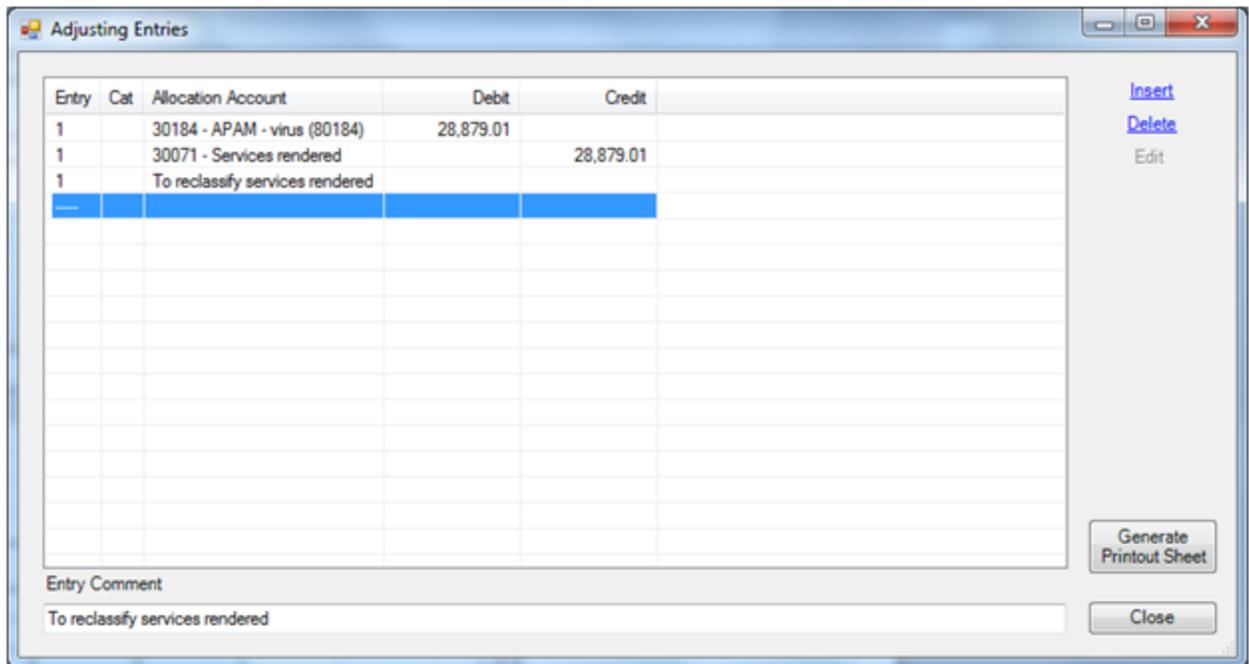
The Chart of Accounts is automatically saved in your ExcelFSM workbook (Excel file) and is available to any worksheet in the workbook.

## **4.3 Adjusting Entries**

Insert, Delete, and Edit adjusting entries.

Recording Adjusting entries is the only way (besides reading another trial balance) to change the accounts balances. You CANNOT edit a cell that contains either an Item Balance (the result of the grouping of accounts) or a Total (the result of the grouping of Items). You can toggle the effect of the adjusting entries with the Adjusted balances button in the ExcelFSM ribbon.





Adjusting Entries dialog. Your Adjusting Entries are shown in the list, one row for each entry line.

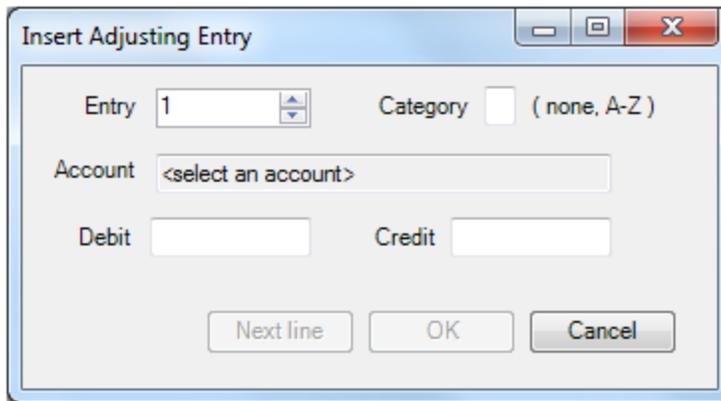
- Each entry has two or more entry lines. Each line specifies an entry number, an entry category, an allocation account and a debit or credit amount. The total of an entry must equal 0.
- Each entry can have a comment. The comment is displayed in the Allocation Account column, beneath the entry lines. The comment for the selected entry line is also displayed in the textbox at the bottom, where it was originally inserted and where can be directly edited.
- The dialog is resizable. The bigger you make the window, the more entries are visible.

### Inserting and Editing an Entry Line

Click Insert to insert a new line above the currently selected line. Click Edit to edit the currently selected line.

Shortcut: To edit, double-click in the desired line, within the desired column. The Edit dialog will appear, with the caret set into the field that you double-clicked.

A new dialog appears for you to fill in or edit the entry line information:



The screenshot shows a dialog box titled "Insert Adjusting Entry". It features a title bar with standard window controls (minimize, maximize, close). The main area contains the following fields and controls:

- Entry:** A dropdown menu with the value "1" selected.
- Category:** A checkbox that is currently unchecked, followed by the text "( none, A-Z )".
- Account:** A text box containing the placeholder text "<select an account>".
- Debit:** An empty text box.
- Credit:** An empty text box.
- Buttons:** Three buttons at the bottom: "Next line", "OK", and "Cancel".

**Entry** - Type or select the entry number to which this line belongs

**Category** - You can categorize the adjusting entries to further make a selection for the computation of Adjusted balances. Leaving the field blank means that you don't want to categorize at this time. You can always do that in another time.

**Account** - Choose the allocation account to debit or credit. Change the account by clicking in the textbox or typing Space to open the Allocation Account list:

Allocation Account		
10000 - Bank	30101 - Cotisations PPRDF Committees	60005 - Region 5
10003 - Petty Cash	30102 - Cotisations pprdf crous comm	60006 - Region 6
10005 - Short term deposit	30103 - Cotisations pprdf sem comm	60009 - Region 9
10010 - Accounts Receivable	30104 - Cotisations pprdf prepel comm	60012 - Region C
10011 - Other Receivable	30140 - PPRDF Joint Plan Administration	60013 - Region D
10014 - Taxe A Receivable Contribution	30165 - Parment Partners	60015 - Region F
10015 - Taxe B Receivable Contribution	30175 - APAM - hydro	70000 - Technical Advisors
10018 - Accrued interests	30176 - APAM - nema	70001 - Secretariat
10026 - Taxe A Receivable	30177 - APAM - micro	70002 - Accounting
10027 - Taxe B Receivable	30179 - PAU	70009 - Training
10040 - Advance anticipated	30180 - Government Grant	70010 - Office expenses
10050 - Prepaid expenses	30181 - APAM project (80181)	70011 - Documentation
10060 - Investment GQT	30182 - Sem Certification	70015 - Postal charges
10070 - Furniture	30183 - PAQC and other DTP (80183)	70020 - Printing expenses
10071 - Computer equipment	30184 - APAM - virus (80184)	70040 - Telecom
10072 - Software	30185 - APAM (80185)	70050 - Computer expenses
10073 - WebSite	30186 - RIH studies (80186)	70060 - Rent
10080 - Accrued Dep. - Furniture	30188 - DAQC and others (80188)	70070 - Software depreciation
10081 - Accrued Dep. - Computer equip.	30199 - Miscellaneous pprdf	70071 - Depreciation
10082 - Accrued Dep. - Software	30200 - Joint Committee Agent Expenses	70110 - Office expenses - 15%
10083 - Accrued Dep. - WebSite	50001 - General administration	70115 - Postal charges pprdf
10061 - Loan APU	50002 - Board of Directors	70171 - Website (including depreciatio)
10090 - Deposit on Rent	50003 - Executive Committee	70190 - PARM
10091 - Deposit on Wages	50004 - Annual meeting	70200 - Joint Committee wages
10092 - Deposit - fringe benefits	50005 - General congress	70215 - Postal charges Joint Comm
20010 - Accounts Payable	50006 - Travel expenses	70240 - Telecom Joint Comm
20011 - Other Payable	50007 - EF Committee	80000 - Auditor fees
20012 - Wages payable	50008 - TC Committee	80001 - Legal fees
20026 - Taxe A Payable	50009 - SEM Committee	80003 - Collection fees
20027 - Taxe B Payable	50010 - Prepel Committee	80010 - PAU Contribution
20030 - Income Taxe A Payable	50011 - Nema Committee	80011 - QHC Contribution
20035 - Income Taxe B Payable	50013 - Finances	80012 - CHC Contribution
20036 - RQAP Payable	50014 - Union Life Committee	80013 - Contribution national committee
20037 - FSS Payable	50015 - AGR Associations	80019 - Contribution associations
20038 - RRQ Payable	50017 - Regional meetings	80070 - Insurance
20050 - Unearned Revenue	50050 - PAU Committees	80099 - Miscellaneous bis
20099 - Retained Earnings	50054 - Directors telecom	80110 - Valorisation initiative
20199 - PPRDF	50060 - RAQC Committee	80111 - University PAU
20299 - Joint Committee balance	50061 - QFLG Board	80170 - Quality program
30010 - Cotisations 2010	50063 - QHC meeting expenses	80175 - Hydro
30023 - Cotisations 03 (A=0.08 P=0.01)	50064 - CHC and national committee	80176 - Nema
30024 - Cotisations 04 (A=0.08 P=0.02)	50065 - PGU travel expenses	80177 - Micro
30025 - Cotisations 05 (A=0.08 P=0.02)	50067 - Strategic Committee	80179 - PAU expenses
30026 - Cotisations 06	50069 - LB Center	80180 - Healthiness program
30027 - Cotisations 07	50096 - QAPR expenses	80181 - Invoices project
30028 - Cotisations 08	50097 - SFS employer	80182 - Certification sem
30029 - Cotisations 09	50098 - RQR employer	80183 - Extra buying project
30031 - Cotisations table	50099 - Misc and other committees	80184 - Virus (30184)
30032 - Cotisations crous	50107 - Committee table expenses	80185 - Sectorial reorganisation
30033 - Cotisations sem	50108 - Committee crous expenses	80186 - RIH studies (30186)
30034 - Cotisations prepel	50109 - Committee sem expenses	80188 - DAQC nema
30040 - Joint Plan Administration	50110 - Committee prepel expenses	80192 - Promotion
30041 - Interests from prod	50123 - Directors training	80195 - Field day
30050 - Other interests	50200 - Joint Committee	80205 - Administration expenses J Comm
30066 - AGA partnership	50201 - Phone conferences Joint Committ	90001 - Transactions General - PPRDF
30070 - Management fees (30171)	60001 - Region 1	90002 - Transactions PPRDF - General
30071 - Services rendered	60002 - Region 2	90003 - Operations PPRDF - General
30099 - Miscellaneous	60003 - Region 3	
30100 - Cotisations PPRDF	60004 - Region 4	

Note: Move and Resize the dialog - the bigger you make the window, the more accounts are visible.



---

### **Inserting and Editing an Entry Comment**

Select any line in the list that is part of the entry whose comment you wish to add or change. Type the desired comment into the Entry Comment textbox. As you type, your comment will also appear in the appropriate place in the list.

### **Saving the Adjusting Entries**

The Adjusting Entries are automatically saved in your ExcelFSM workbook (Excel file) and are available to any worksheet in the workbook.

Adjusting Entries affect the current accounting period only. When you Read Trial Balance Data for a new accounting period, the adjusted balances are moved forward and, unless you checked the Transfer Adjusting Entries box in the Read Trial Balance Data dialog, the Adjusting Entries are destroyed.

### **Generate Printout Sheet**

A new worksheet is generated for the adjusting entries journal, ready to print.

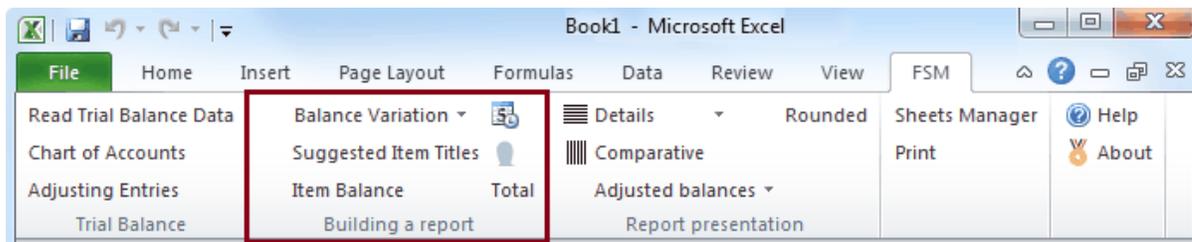
No.	Cat	Allocation	Debit	Credit
1		30184 - APAM - virus (80184)	28,879.01	
1		30071 - Services rendered		28,879.01
1		To reclassify services rendered		
			28,879.01	28,879.01

You can edit the worksheet before printing.

Note: Editing the worksheet will not change the adjusting entries.  
*If a category selection is made for the active sheet, the sheet name will appear on the totals row*

**Close** - Close the dialog.

## 5 Building a report



The Building a report buttons let you:

- Activate Balance Variation for e.g. Statement of Cash Flow, financial statement Notes, and Quarterly financial statements.
- Insert the title of any account into your financial report.
- Group accounts into an Item and insert its balance into your financial report.
- Group items into a Total and insert its balance into your financial report.

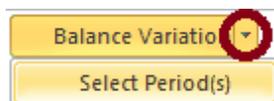
Additional buttons you might find useful when building your report are: [Enterprise Name](#), and [As-Of Date](#).

### 5.1 Balance Variation

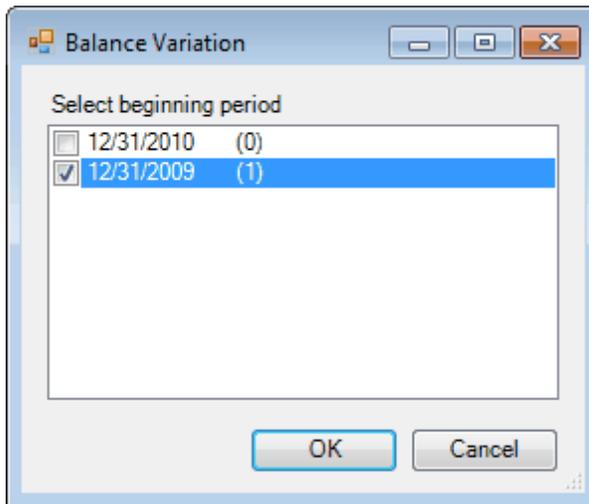
The Balance Variation button allows you to build an Item balance with balances for a range of periods.

This is used for the Cash Flow statement, financial statement Notes, periodic (Monthly, Quarterly, etc.) financial statements, financial reports combining cumulative and periodic balances on the same column, etc. It is also used for any report where you prefer to create comparative columns manually (as described below) rather than using the Comparative button.

Click the Balance Variation Down Arrow, then click Select Periods.



This opens the Balance Variation dialog, where you select the beginning period for the range of periods.



(The number between parentheses is the index of the period used in the FSM formulas, index 0 being the index of the current period, i.e., the index of the last trial balance read.)

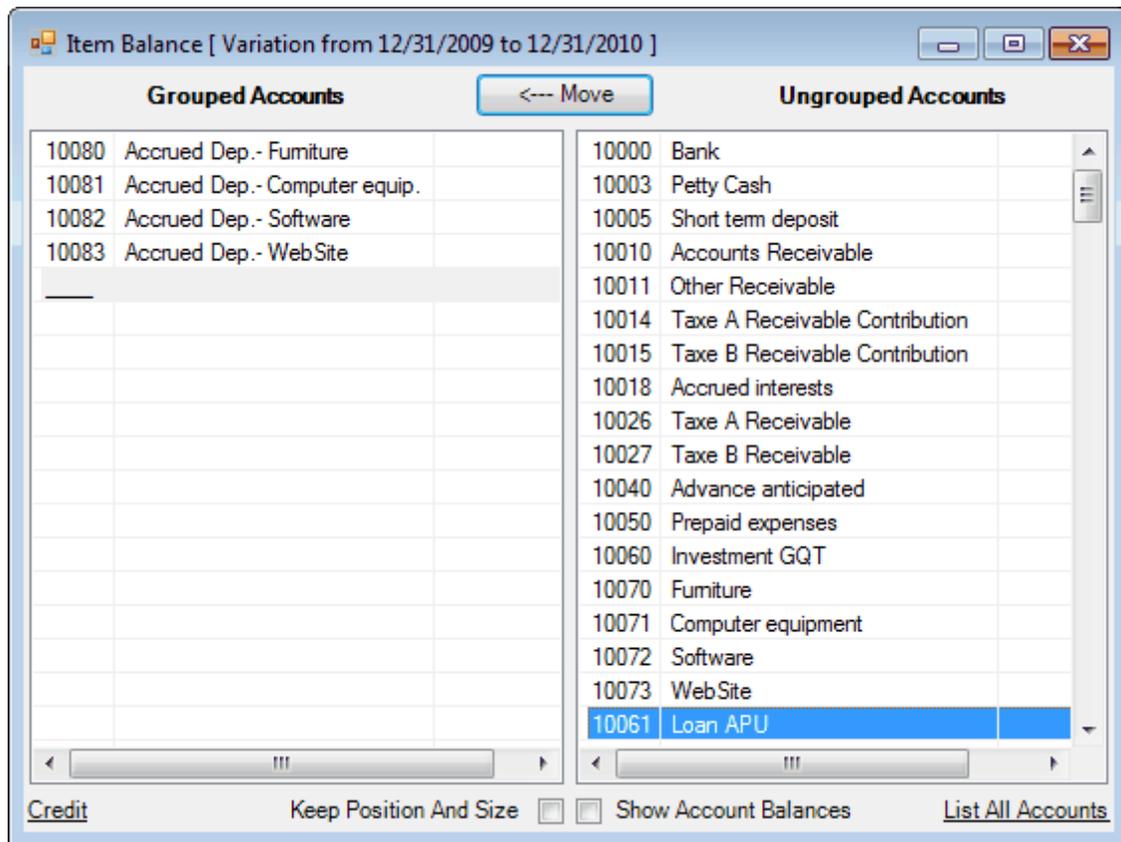
Check the beginning period and click OK.

The Balance Variation is then turned ON.

Note: Balance variation button can be turned ON for an existing report. The beginning period will be set to the current period. (Comparative button must be OFF).

Click on Item Balance to group accounts into an Item and insert the item's balance into the financial report:





The dialog's title shows the selected beginning and ending periods. The ending period is the current period.

If the selected beginning period is also the current period, the title will show "[ as of <current period date> ]".

Hint: For the Cash Flow Statement, the sense of all Items must be Credit.

A	B	C	D	E	F	
1	<b>Non Profit Organization Sample</b>					
2						
3	<b>Statement of Cash flows</b>					
4						
5	for the year ended December 31,					
6						
7						
8				2010		
9						
10	<b>Operating activities</b>					
11	Net income (loss)			(80,528)		
12	Changes in current assets and current liabilities					
13	Depreciation			3,708		
14	Decrease (increase) in accounts receivable			193,737		
15	Decrease (increase) in prepaid expenses			(1,443)		
16	Increase (decrease) in accounts payable and accrued liabilities			(208,632)		
17	Increase (decrease) in unearned Revenue			(26,072)		
18				(119,230)		
19						
20	<b>Investing activities</b>					
21	Acquisition of fixed assets			2,420		
22	Short term deposit			151,000		
23	Investment GQT					
24	Other assets			(10,188)		
25				143,232		
26	<b>Net increase (decrease) in cash and cash equivalents</b>			<b>24,002</b>		
27						
28						

### Comparative

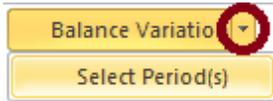
In some cases, the comparative columns created by turning Comparative ON may not be appropriate, such as for financial statement Notes for example. Balance Variation would then be used instead.

Note: When Balance Variation is ON, the Comparative button is disabled.

Comparative columns are created manually by:

- Selecting the 'groupings' column as source range to copy (click on the column letter at the top)
- Copying this source range (right click + Copy) into a destination range (click on the destination column letter at the top, right click + Paste)
- Selecting the beginning and ending periods for this comparative column
- Click on the column letter at the top

- Click on the Balance Variation Down Arrow button



- Click on Select Period(s)

Use the As-of Date button, select the date, then build the Items and then group the Items into a Total:

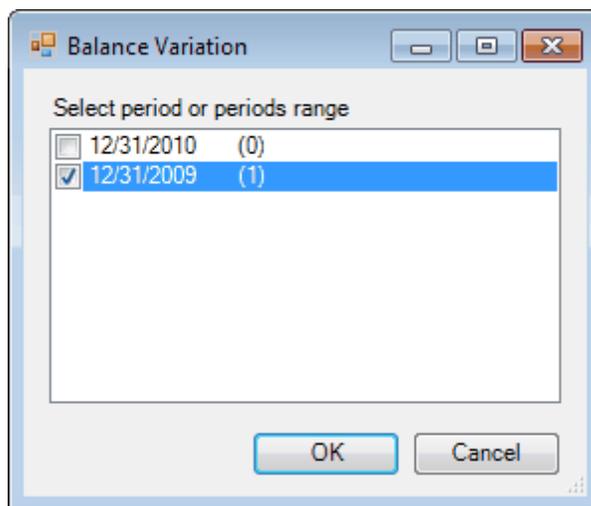
	A	B	C	D	E	F	G	H	I
1									
2									
3	<b>5 - RECEIVABLES</b>								
4							2010		
5									
6	Grant						49,525.06		
7	Taxes						6,198.09		
8	Advances						1,837.35		
9	Others						4,811.72		
10							62,372.22		
11									
12									
13									
14									

Then select the source range cells to copy & paste:

	A	B	C	D	E	F	G	H	I
1									
2									
3	<b>5 - RECEIVABLES</b>								
4							2010		
5									
6	Grant						49,525.06		
7	Taxes						6,198.09		
8	Advances						1,837.35		
9	Others						4,811.72		
10							62,372.22		

	A	B	C	D	E	F	G	H	I
1									
2									
3	<b>5 - RECEIVABLES</b>								
4							2010		2010
5									
6	Grant						49,525.06		49,525.06
7	Taxes						6,198.09		6,198.09
8	Advances						1,837.35		1,837.35
9	Others						4,811.72		4,811.72
10							62,372.22		62,372.22

Then click the Balance Variation Down Arrow button, click Select Period(s), and select only one date as the periods range:



	A	B	C	D	E	F	G	H	I
1									
2									
3	<b>5 - RECEIVABLES</b>								
4							2010		2009
5									
6	Grant						49,525.06		229,728.78
7	Taxes						6,198.09		24,444.85
8	Advances						1,837.35		
9	Others						4,811.72		1,935.08
10							62,372.22		256,108.71

Here are samples of financial statement Notes:

	A	B	C	D	E	F	G	H	M
1									
2									
3	<b>5 - RECEIVABLES</b>								
4							2010	2009	
5									
6	Grant						49,525	229,729	
7	Taxes						6,198	24,445	
8	Advances						1,837		
9	Others						4,812	1,935	
10							62,372	256,109	
11									
12									
13	<b>6 - FIXED ASSETS</b>								
14							2010	2009	
15			Cost		Accrued Depreciation		Net Value	Net Value	
16	Furniture		11,764		9,256		2,508	4,290	
17	Computer equipment		19,277		19,277			1,762	
18	Software		79,150		79,150			876	
19	WebSite		6,640		6,640			1,708	
20			116,831		114,323		2,508	8,636	
21									
22									

(shown with the Rounded button ON)

	A	B	C	D	E	F	G
1							
2							
3	<b>6 - FIXED ASSETS</b>						
4							2010
5			Cost		Accrued Depreciation		Net Value
6	Furniture		11,764		9,256		2,508
7	Computer equipment		19,277		19,277		
8	Software		79,150		79,150		
9	WebSite		6,640		6,640		
10			116,831		114,323		2,508
11							
12							
13	<b>6 - FIXED ASSETS II</b>						
14							2009
15			Cost		Accrued Depreciation		Net Value
16	Furniture		11,870		7,580		4,290
17	Computer equipment		21,591		19,829		1,762
18	Software		79,150		78,274		876
19	WebSite		6,640		4,932		1,708
20			119,251		110,615		8,636
21							
22							

(shown with the Rounded button ON)

	A	B	C	D	E	F	G	H	I	J
1										
2										
3	<b>6 - FIXED ASSETS</b>									
4			Cost			Accrued Depreciation			Net Value	
5			2010	2009		2010	2009		2010	2009
6	Furniture		11,764	11,870		9,256	7,580		2,508	4,290
7	Computer equipment		19,277	21,591		19,277	19,829			1,762
8	Software		79,150	79,150		79,150	78,274			876
9	WebSite		6,640	6,640		6,640	4,932			1,708
10			116,831	119,251		114,323	110,615		2,508	8,636
11										
12										

(shown with the Rounded button ON)

**Periodic (Monthly, Quarterly, etc.) financial statements**

Balance Variation is also useful for building periodic (Monthly, Quarterly, etc.) financial statements. You are able to present comparative columns with different range of periods.

EXCELSM SAMPLE, INC										
STATEMENT OF REVENUES AND EXPENSES										
ONE MONTH AND PERIOD ENDED MAY 31, 2013 AND 2012										
	MAY				YTD		YTD		YTD	
	2013		2012		2013	2012	VARIATION			
8	REVENUES:									
9	Sales - A	354,671	26.97%	290,434	20.95%					
10	- B	118,004	8.97%	118,865	8.57%					
11	- C	88,874	6.76%	97,599	7.04%					
12	- D	64,832	4.93%	65,632	4.73%					
13	- E	158,055	12.02%	197,836	14.27%					
14	- F	295,173	22.45%	298,126	21.50%					
15	- G	166,744	12.68%	244,293	17.62%					
16	- H	46,763	3.56%	51,416	3.71%					
17	- I	21,836	1.66%	22,238	1.60%					
18	TOTAL REVENUES	1,314,952	100.00%	1,386,439	100.00%					
19	COST OF SALES									
20	Salaries	288,456	21.94%	202,833	14.63%					
21	Supplies	481,396	36.61%	513,312	37.02%					
22	Payroll Taxes	33,717	2.56%	23,862	1.72%					
23	Bonus	-	0.00%	-	0.00%					
24	TOTAL COST OF SALES	803,569	61.11%	740,007	53.37%					
25	GROSS PROFIT	511,383	38.89%	646,432	46.63%					
26	SELLING, GENERAL AND ADMINISTRATIVE EXPENSES									
27	ADMINISTRATIVE EXPENSES	305,726	23.25%	333,928	24.09%					
28	INCOME (LOSS) BEFORE OTHER INCOME (EXPENSE)									
29	OTHER INCOME (EXPENSE)	205,657	15.64%	312,504	22.54%					
30	OTHER INCOME:									
31	Interest Income	1,204	0.09%	1,146	0.08%	6,258	0.27%	6,121	0.23%	137
32	Rental Income - X	1,600	0.12%	1,100	0.08%	4,200	0.18%	5,500	0.21%	(1,300)
33	Rental Income - Y	-	0.00%	2,000	0.14%	6,000	0.26%	10,000	0.38%	(4,000)
34	Interest Expense	(11,739)	-0.89%	(15,652)	-1.13%	(43,471)	-1.86%	(53,448)	-2.03%	9,977
35	TOTAL OTHER INCOME	(8,935)	-0.68%	(11,406)	-0.82%	(27,013)	-1.15%	(31,827)	-1.21%	4,814
36	NET INCOME (LOSS)	196,722	14.96%	301,098	21.72%	(545,952)	-23.34%	(205,371)	-7.78%	(340,581)

**Balance Variation**

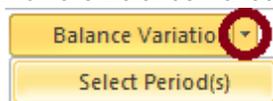
Select period or periods range

- 5/31/2013 (0)
- 4/30/2013 (1)
- 3/31/2013 (2)
- 2/28/2013 (3)
- 1/31/2013 (4)
- 1/1/2013 (5)
- 12/31/2012 (6)
- 12/1/2012 (7)
- 11/30/2012 (8)
- 10/31/2012 (9)
- 9/30/2012 (10)
- 8/31/2012 (11)
- 7/31/2012 (12)
- 6/30/2012 (13)
- 5/31/2012 (14)
- 4/30/2012 (15)
- 3/31/2012 (16)
- 2/29/2012 (17)
- 1/31/2012 (18)
- 1/1/2012 (19)

**Selecting period or periods range for a range of cells**

With the Balance Variation button turned ON, you can select a range of cells containing item balances, and select the period or periods range for these item balances.

- Select a range of cells
- Click on the Balance Variation Down Arrow button



- Click on Select Period(s)
- Check the period or periods range and click OK.

This feature allows you, for example, to build financial reports combining cumulative and periodic balances on the same column.

	A	B	C	D	E	F	G	H
1	<b>Sample Enterprise</b>							
2								
3	<b>Quick Report</b>							
4								
5	<b>March 31, 2015</b>							
6								
7								
8		3/31/2015	3/31/2015	2/28/2015	1/31/2015			
9								
10	Cash	45,769	45,769	53,574	38,477			
11	A/R	16,228	16,228	6,007	26,512			
12	Other assets	485,973	485,973	486,648	487,115			
13		547,970	547,970	546,229	552,104			
14								
15	A/P	5,714	5,714	5,435	7,485			
16	Other liabilities	447,586	447,586	452,058	458,661			
17								
18	Equity	75,488	75,488	75,488	75,488			
19	RE of prior periods		13,248	10,470				
20	<b>P&amp;L</b>		from 02-28-15 to 03-31-15	from 01-31-15 to 02-28-15				
21	Income	46,701	16,500					
22	Cost of Goods	20,032	7,500					
23	Gross Profit	26,669	9,000					
24	gross profit %	57.11%	54.55%					
25	Expenses	7,580	3,159					
26	Other Income (Expense)	93	93					
27	Net income (loss)	19,182	5,934					
28	net income %	41.07%	35.96%					
29		547,970	547,970					
30								
31								
32								
33								

**Balance Variation**

Select period or periods range

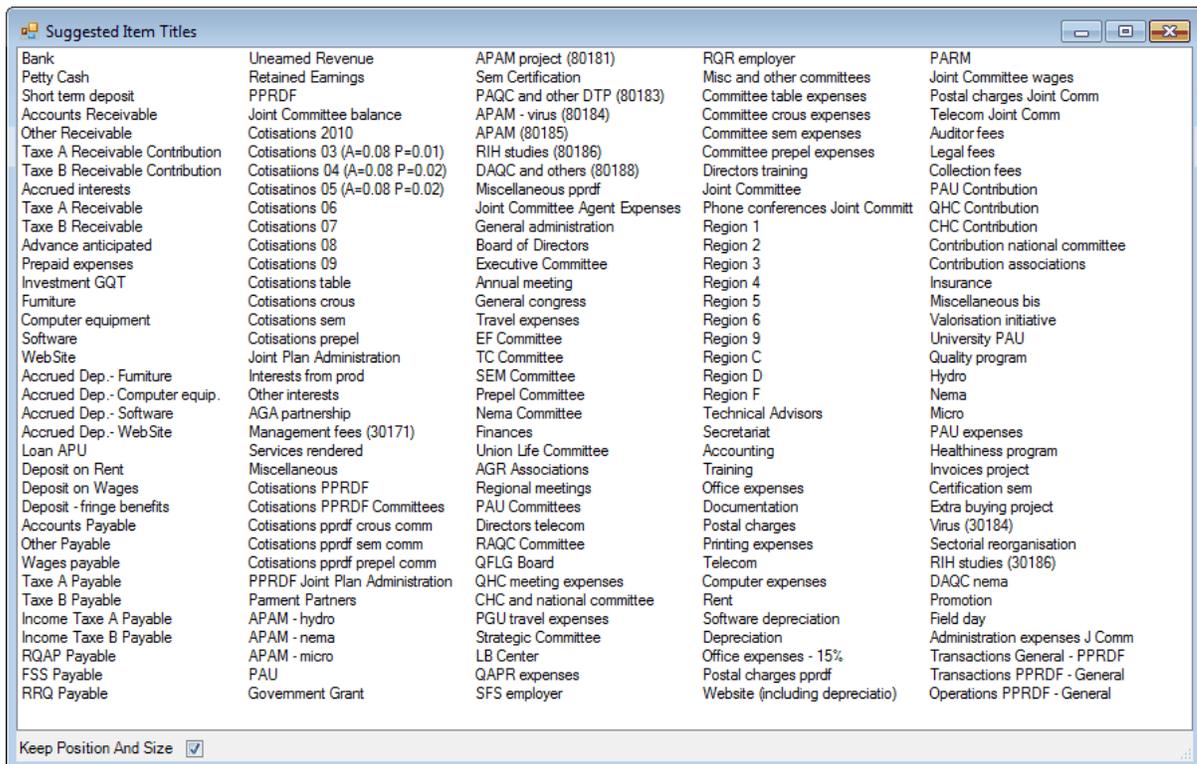
- 3/31/2015 (0)
- 2/28/2015 (1)
- 1/31/2015 (2)
- 12/31/2014 (3)

OK Cancel

## 5.2 Suggested Item Titles

Suggested Item Titles is a quick way to save typing by entering the title of a selected account into a worksheet cell when building your financial report.





Suggested Item Titles shows the titles of the accounts in the Chart of Accounts.

Select the desired text, and it will be inserted into the active cell in your worksheet.

### Dialog position and size

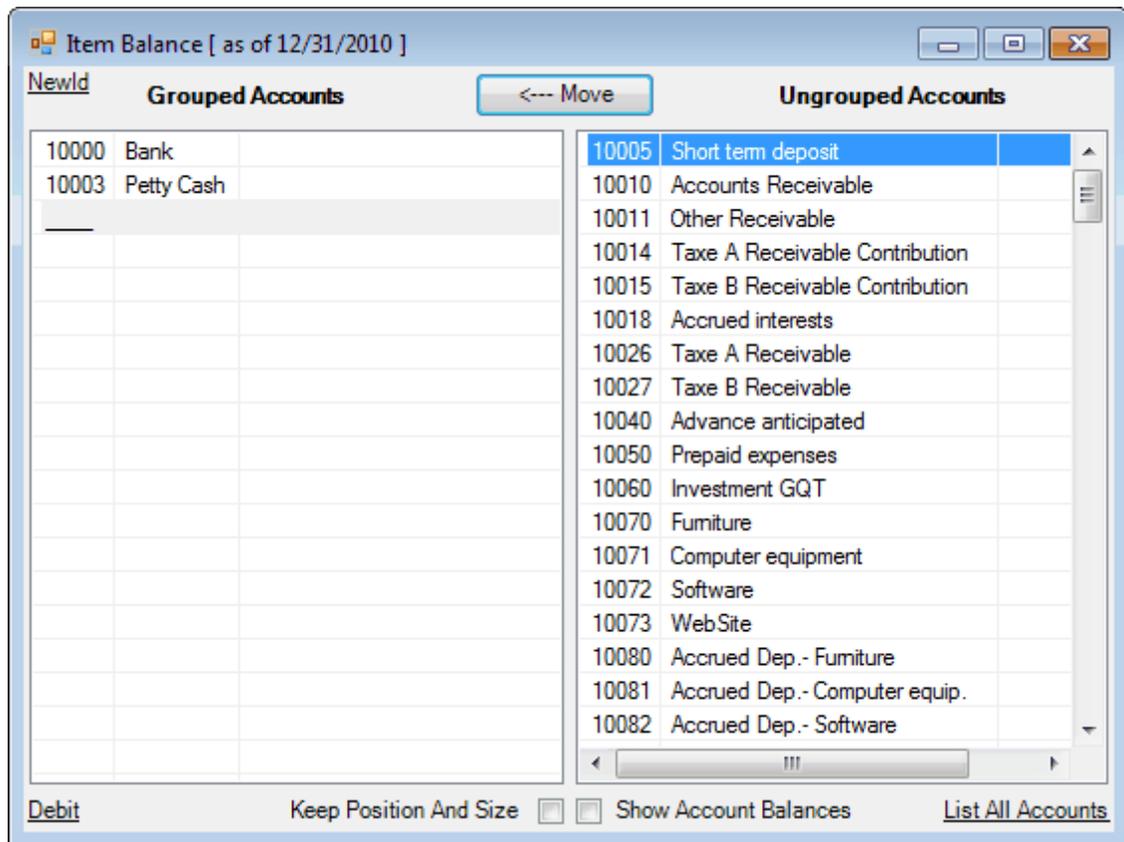
The dialog is movable and resizable. The bigger you make the window, the more titles are visible. By default, the dialog is displayed besides the active cell. Once moved and resized, the new settings can become the default settings by checking the Keep Position And Size checkbox.

Shortcut: In addition to the FSM ribbon button, access this dialog by right-clicking on a worksheet cell to open its [context menu](#).

## 5.3 Item Balance

Group accounts into an Item and insert the item's balance into your financial report. (Also used to transform item's accounts into items, as shown at the bottom of the topic [Details](#)).

Clicking the Item Balance ribbon button, double clicking (or right-clicking) on a cell that already contains an Item balance shows:



Accounts that are grouped into the Item are in the left list.

Accounts that are not grouped into this Item (or any other in the worksheet) are in the right list.

Note: This means that on a given worksheet, an account can be grouped into only one item.

### Affecting how the Item Balance is computed

The Item Balance is computed as of the date shown in the title of the dialog at the top (e.g. "[ as of 12/31/2009 ]").

If Balance Variation button is ON, it might indicate e.g. "[ Variation from <beginning period date> to <ending period date> ]" and the balance is computed for that range of periods.

### Item Sense

At the bottom left, the sense of the Item is indicated (e.g. "Debit"). By default, it is the sense of the first grouped account. Click it to change the sense of the Item. For example, in the above image, clicking "Debit" changes the sense of the Item to Credit. Clicking again changes it back to Debit.

The sense of an Item allows ExcelFSM to know whether or not the computed balance must be shown between parentheses. If the computed balance of an Item has a different sense than the sense of the Item, the balance is shown between parentheses.



### List All Accounts

As mentioned previously, accounts grouped into the Item are in the left list, and accounts not grouped into this Item (or any other in the worksheet) are in the right list, so on a given worksheet, an account can be grouped into only one item. However, there are some situations, such as in financial statement Notes for example, which might require an account to be grouped into more than one item on a given worksheet.

Clicking '[List All Accounts](#)' at the bottom right will temporarily list all the accounts (except the accounts that are grouped into the Item) in the Ungrouped Accounts right list, allowing you to group an account into more than one item.

Shortcut: In addition to the FSM ribbon button, access this dialog by right-clicking on a worksheet cell to open its [context menu](#), or by double-clicking on a cell that already contains an Item Balance.

### Grouping / Ungrouping

To move accounts from one list to the other, double-click on a single account, or select one or more accounts, and then click the Move button. They will be moved to the other list, in the direction of the arrow shown in the Move button.

### Selection

- Clicking a single account selects it.
- Hold down the Ctrl key while clicking accounts (or pressing the Space bar), to select multiple accounts
- Hold down the Shift key while clicking accounts (or pressing the display keys), to select all the accounts in between.

### Move Selected Account(s)

- Click the Move button (or press the Enter key) to move the selected account(s).
- When moving account(s) to the Grouped Accounts list, the accounts will be moved above the selected account in the Grouped Accounts list.
- When moving account(s) to the Ungrouped Accounts list, the accounts will be placed in the order they are shown in the Chart of Accounts.
- When accounts are moved, the Item's balance is re-computed, and displayed immediately in the cell.

### Order of accounts in the lists

- The Grouped Accounts list is maintained according to how the accounts were grouped (and is subject to the user's preference). In order to change the order of the Grouped Accounts, individual accounts must be ungrouped, then re-grouped in the correct position.
- The Ungrouped Accounts list is maintained in the same order as they appear in the Chart of

---

## Accounts

### Saving an Item

When satisfied with the Grouped Accounts, click the 'X' in the upper right corner. Your changes will be preserved, and the dialog will close.

### Effects of Grouping Changes

If your worksheets contain comparative columns, the Item's grouping within the comparative periods will also be changed.

Item grouping can be changed in any period.

### Copying Item Balances

Item Balances are quickly recognizable because they have a cell formula starting with =FSMITEMBALANCE, e.g.:

```
=FSMITEMBALANCE("42968107-3573-487d-b3b1-aca16f6e9443, D, 0, 0")
```

You must be very careful when copying cells or worksheets containing Item Balances. If you copy cells or sheets that contains FSMITEMBALANCE formulas, you will end up with Items with formulas having the same grouping in more than one cell. Consequently, if you change the grouping or the sense of such an Item in one cell, it will be modified in the other cells as well. To change the grouping of such an Item in one cell without modifying the other cells, use the NewId button.

**NewId**: this button replaces the item's unique identifier (the first parameter '42....3' in the formula) with a new one.

Copying Item Balances and using the NewId button can be really useful for the building of the financial statement Notes and for the Statement of Cash Flows, as shown in the following sample:

		E		F		G		H		
=FSMITEMBALANCE("c8bd3f01-9776-4b5b-8bc1-71b7ccb84f3c, D, 0, 0")										
<b>Non Profit Organization Sample</b>										
<b>Balance Sheet</b>										
As of December 31,										
					2010		2009			
<b>ASSETS</b>										
Current Assets										
Cash					50,708		26,706			
Short Term Deposit							151,000			
Accounts Receivable					62,372		256,109			
Prepaid expenses					8,554		7,111			
					121,634		440,926			
Investments					130,809		130,809			
Deposit on Rent and Wages					93,974		83,786			
Fixed Assets					2,508		8,636			
					348,925		664,157			
<b>LIABILITIES</b>										
Current Liabilities										
Accounts Payable and Accrued Liabilities					236,075		444,707			
Unearned Revenue					3,031		29,103			
					239,106		473,810			
<b>NET ASSETS</b>										
General Fund					234,771		189,766			
Promotion, Publicity, Research and Development Fund					(134,000)		(17,920)			
Joint Committee Fund					9,048		18,501			
					109,819		190,347			
					348,925		664,157			

Copying an Item Balance cell from the Balance Sheet to the Statement of Cash Flows

E14 :    =FSMITEMBALANCE("c8bd3f01-9776-4b5b-8bc1-71b7ccb84f3c, D, 0, 0")

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Statement of Cash flows</b>				
4						
5		for the year ended December 31,				
6						
7						
8					2010	
9						
10		<b>Operating activities</b>				
11		Net income (loss)				1)
12		Changes in current assets and current liabilities				
13		Depreciation				08
14		Decrease (increase) in accounts receivable			62,372	

Clicking the NewId button: the item's unique identifier is replaced with a new one in the formula

E14 : =FSMITEMBALANCE("d5a67d1a-3de8-4ab3-b0e0-d52d684c3297, D, 0, 0")

A	B	C	D	E	F
1	<b>Non Profit Organization Sample</b>				
2					
3	<b>Statement of Cash flows</b>				
4					
5	for the year ended December 31,				
6					
7					
8					2010
9					
10	<b>Operating activities</b>				
11	Net income (loss)				(80,528)
12	Changes in current assets and current liabilities				
13	Depreciation				3,708
14	Decrease (increase) in accounts receivable				62,372
15	Decrease in cash				
16	Increase in cash				
17	Increase in cash				
18					
19					
20	<b>Investing activities</b>				
21	Acquisition of property, plant, and equipment				
22	Short term investments				
23	Investment in securities				
24	Other assets				
25					
26	<b>Net increase (decrease) in cash</b>				
27					
28					

Item Balance [ as of 12/31/2010 ]

**New!**

Grouped Accounts	Ungrouped Accounts
10010 Accounts Receivable	10000 Bank
10011 Other Receivable	10003 Petty Cash
10014 Taxe A Receivable Contribution	10005 Short term deposit
10015 Taxe B Receivable Contribution	10050 Prepaid expenses
10018 Accrued interests	10060 Investment GQT
10026 Taxe A Receivable	10070 Furniture
10027 Taxe B Receivable	10071 Computer equipment
20026 Taxe A Payable	10072 Software
20027 Taxe B Payable	10073 WebSite
10040 Advance anticipated	10061 Loan APU
	10090 Deposit on Rent
	10091 Deposit on Wages
	10092 Deposit - fringe benefits

Debit      Keep Position And Size        Show Account Balances      [List All Accounts](#)

Here is the formula, and its resulting value, after changing the sense of the Item to Credit and after selecting the periods range



E14 : =FSMITEMBALANCE("d5a67d1a-3de8-4ab3-b0e0-d52d684c3297, C, 1, 0")

**Non Profit Organization Sample**

**Statement of Cash flows**

for th

**Balance Variation**

Select period or periods range

<input checked="" type="checkbox"/>	12/31/2010	(0)
<input checked="" type="checkbox"/>	12/31/2009	(1)

OK Cancel

**Item Balance [ Variation from 12/31/2009 to 12/31/2010 ]**

NewId Move --->

Grouped Accounts		Ungrouped Accounts	
10010	Accounts Receivable	10000	Bank
10011	Other Receivable	10003	Petty Cash
10014	Taxe A Receivable Contribution	10005	Short term deposit
10015	Taxe B Receivable Contribution	10050	Prepaid expenses
10018	Accrued interests	10060	Investment GQT
10026	Taxe A Receivable	10070	Furniture
10027	Taxe B Receivable	10071	Computer equipment
20026	Taxe A Payable	10072	Software
20027	Taxe B Payable	10073	WebSite
10040	Advance anticipated	10061	Loan APU
		10090	Deposit on Rent
		10091	Deposit on Wages
		10092	Deposit fringe benefits

Credit Keep Position And Size   Show Account Balances List All Accounts

1 E14 : =FSMITEMBALANCE("d5a67d1a-3de8-4ab3-b0e0-d52d684c3297, C, 1, 0")

2 **Non Profit Organization Sample**

3 **Statement of Cash flows**

4

5 for th

6

7

8 2010

9

10 **Operating activities**

11 Net income (loss) (80,528)

12 Changes in current assets and current li

13 Depreciation 3,708

14 Decrease (increase) in accounts receivable 193,737

15 Decrease

16 Increase

17 Increase

18

19

20 **Investing**

21 Acquisitio

22 Short term

23 Investme

24 Other ass

25

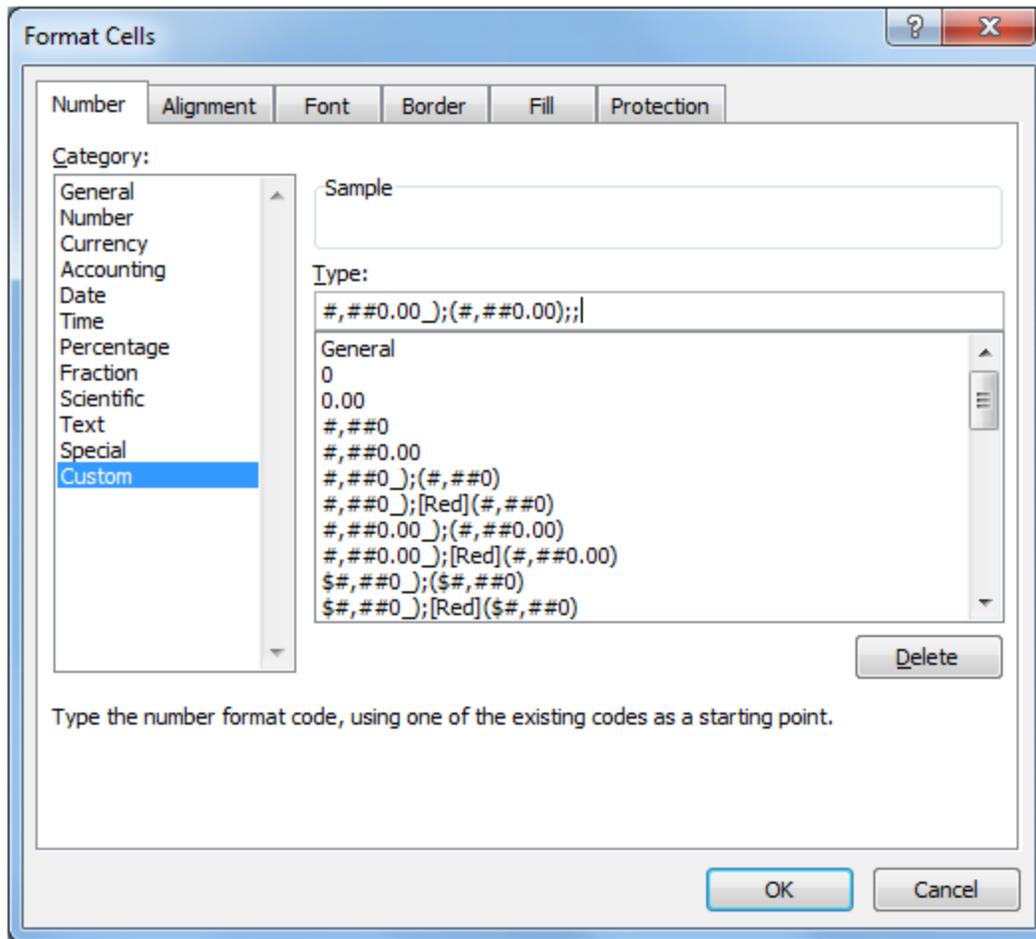
26 **Net incre**

27

28

### Hint for cell format

The cell format for balances can be customized by adding ;; at its end, to show zero balance as blank.

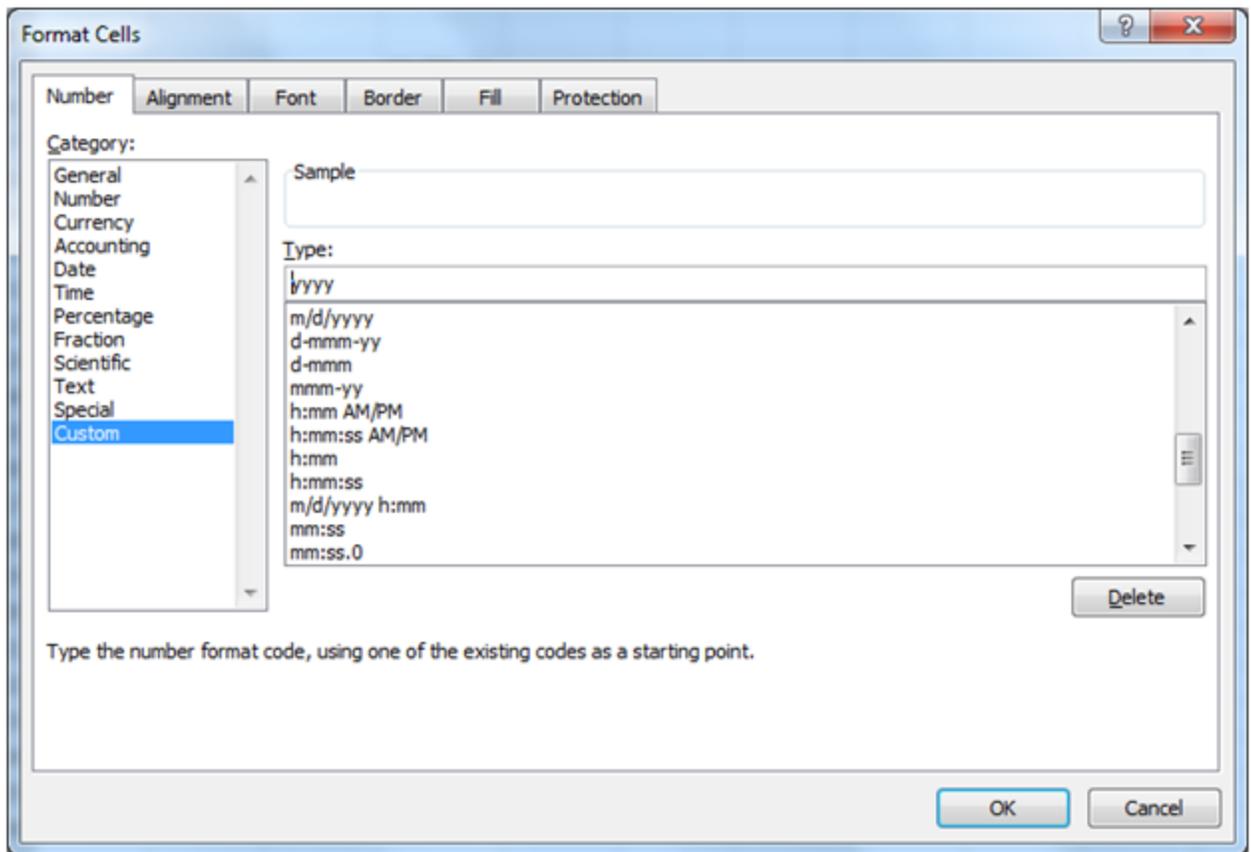


## 5.4 As-Of Date

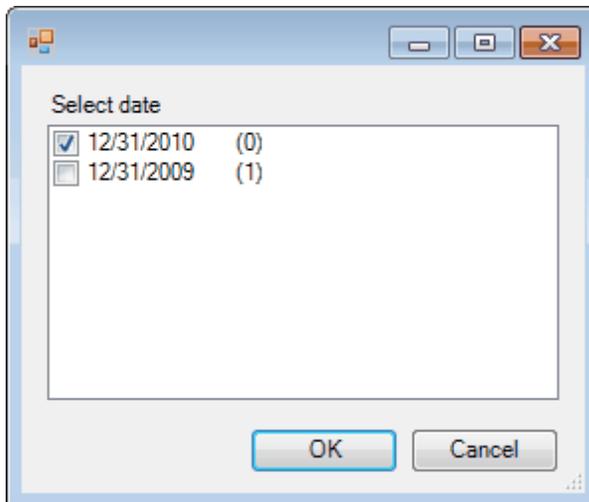
Insert the As-Of date of the current accounting period into the active cell. The As-of date was specified when you last performed a [Read Trial Balance Data](#).

**HINT:** You may change the format of the As-of date, as you desire by formatting the cell within Excel.

Date format can be customized to show only the year, by keeping only yyyy



If the Balance Variation button is ON, you will be prompted to select a date.



(The number between parentheses is the index of the period used in the FSM formulas, index 0 being the index of the current period, i.e., the index of the last trial balance read.)

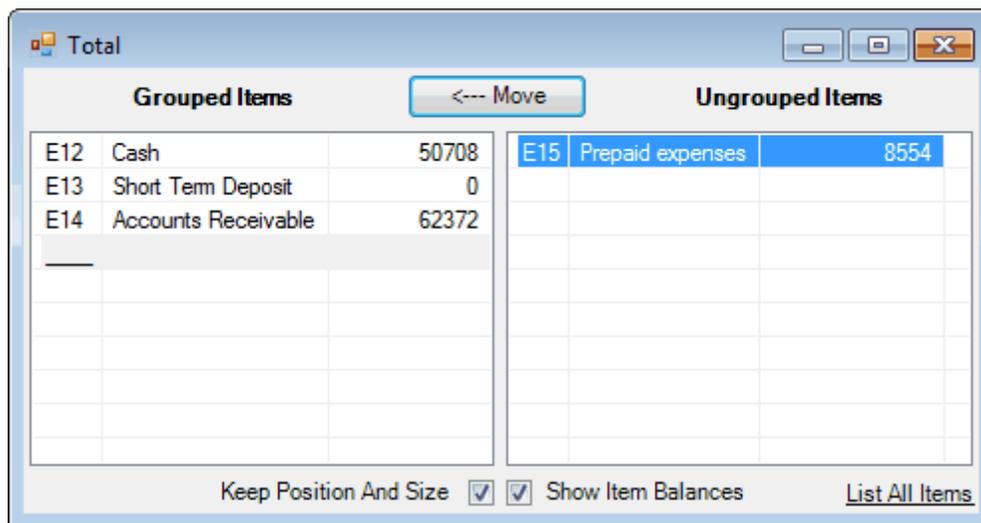


### Dialog position and size

The dialog is movable and resizable. The bigger you make the window, the more items are visible. By default, the dialog is displayed besides the active cell. Once moved and resized, the new settings can become the default settings by checking the Keep Position And Size checkbox.

### Item balances

The item balances can be shown by checking the Show Item Balances checkbox.



### List All Items

As mentioned previously, only Items in cells appearing "before" the Total cell can be grouped into the Total. However, there are some situations, such as in financial statement Notes for example, which might require an item appearing "after" the Total to be grouped into the Total. Clicking '[List All Items](#)' at the bottom right will temporarily list all the items (except the items that are grouped into the Total) in the Ungrouped Items right list, allowing you to group an item appearing "after" the Total cell.

Shortcut: In addition to the FSM ribbon button, access this dialog by right-clicking on a worksheet cell to open its [context menu](#), or by double-clicking on a cell that already contains a Total.

To move items from one list to the other, double-click on a single item, or select one or more items, and then click the Move button. They will be moved to the other list, in the direction of the arrow shown in the Move button.

**Selection**

- Clicking a single item (or pressing the Space bar) selects it.
- Hold down the Ctrl key while clicking items (or pressing the Space bar), to select multiple items
- Hold down the Shift key while clicking items (or pressing the Space bar), to select all the items in between.

**Move Selected Item(s)**

- Click the Move button (or press the Enter key) to move the selected item(s).
- When moving item(s) to the Grouped Items list, the items will be moved above the selected item in the Grouped Items list.
- When moving item(s) to the Ungrouped Items list, the items will be placed in the order they appear in the worksheet.
- When items are moved, the Total's balance is re-computed, and displayed immediately in the cell.

**Order of items in the lists**

- The Grouped Items list is maintained according to how the items were grouped (and is subject to the user's preference). In order to change the order of the Grouped Items, individual items must be ungrouped, then re-grouped in the correct position.

Note: For presentation purposes, the Sense of the total is defined by the Sense of the first grouped item. To change the Sense of a Total, simply edit the Sense of the first item (see [Item Balance](#) for further details).

- The Ungrouped Items list is maintained in the same order as they appear in the worksheet.

**Saving a Total**

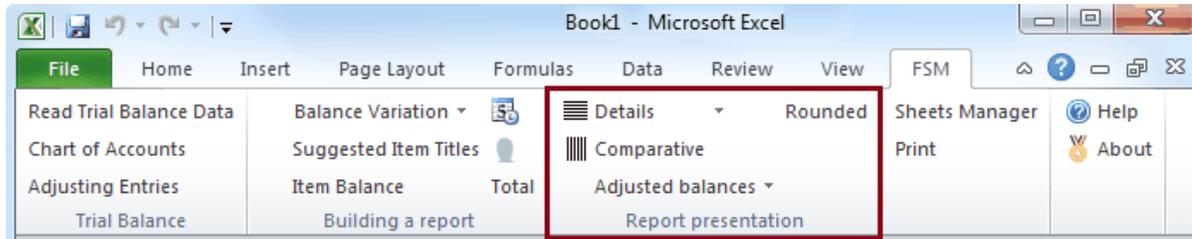
When satisfied with the Grouped Items, click the 'X' in the upper right corner. Your changes will be preserved, and the dialog will close.

**FSM Total Formula**

Totals are quickly recognizable because they have a cell formula starting with =1\*, e.g.:

=1\*(+E\$8+E\$9+E\$10)

## 6 Report presentation



The Report presentation buttons let you:

- Toggle the display of Item Details. *Details* are additional rows in the worksheet showing the accounts which are grouped into the item.
- Toggle the display of previous accounting periods, for comparative purposes. *Comparative* is additional columns in the worksheet showing the account, item, and total balances of previous financial periods.
- Toggle whether to ignore the Adjusting Entries and show the Unadjusted balances of accounts, items, and totals.
- Toggle whether to display the balances with or without decimals. Note that ExcelFSM will not only display the rounded values, but will also perform computations using these rounded values.

### 6.1 Details

Details toggles the display of an Item's accounts.

To illustrate, here is a sheet with a financial report.

It is shown first with Details turned Off, then with Details turned On for the first Item:

Details turned Off

	A	B	C	D	E	F	G	
1		<b>Non Profit Organization Sample</b>						
2								
3		<b>Balance Sheet</b>						
4								
5		As of December 31,						
6								
7								
8					2010		2009	
9								
10		<b>ASSETS</b>						
11		Current Assets						
12		Cash			50,708.46		26,706.08	
13		Short Term Deposit					151,000.00	
14		Accounts Receivable			62,372.22		256,108.71	
15		Prepaid expenses			8,553.56		7,111.49	
16					121,634.24		440,926.28	
17								
18		Investments			130,809.00		130,809.00	
19		Deposit on Rent and Wages			93,974.13		83,785.88	
20		Fixed Assets			2,508.33		8,635.73	
21					348,925.70		664,156.89	
22								
23		<b>LIABILITIES</b>						
24		Current Liabilities						
25		Accounts Payable and Accrued Liabilities			236,074.87		444,707.10	
26		Unearned Revenue			3,031.49		29,103.25	
27					239,106.36		473,810.35	
28								
29		<b>NET ASSETS</b>						
30		General Fund			234,771.07		189,766.97	
31		Promotion, Publicity, Research and Development Fund			(134,000.09)		(17,920.18)	
32		Joint Committee Fund			9,048.36		18,499.75	
33					109,819.34		190,346.54	
34					348,925.70		664,156.89	
35								
36								

Details turned On for the first Item



	A	B	C	D	E	F	G
1		<b>Non Profit Organization Sample</b>					
2							
3		<b>Balance Sheet</b>					
4							
5		As of December 31,					
6							
7							
8					2010		2009
9							
10		<b>ASSETS</b>					
11		Current Assets					
12		Cash					
13		10000 - Bank			50,633.46		26,656.08
14		10003 - Petty Cash			75.00		50.00
15					50,708.46		26,706.08
16		Short Term Deposit					151,000.00
17		Accounts Receivable			62,372.22		256,108.71
18		Prepaid expenses			8,553.56		7,111.49
19					121,634.24		440,926.28
20							
21		Investments			130,809.00		130,809.00
22		Deposit on Rent and Wages			93,974.13		83,785.88
23		Fixed Assets			2,508.33		8,635.73
24					348,925.70		664,156.89
25							
26		<b>LIABILITIES</b>					
27		Current Liabilities					
28		Accounts Payable and Accrued Liabilities			236,074.87		444,707.10
29		Unearned Revenue			3,031.49		29,103.25
30					239,106.36		473,810.35
31							
32		<b>NET ASSETS</b>					
33		General Fund			234,771.07		189,766.97
34		Promotion, Publicity, Research and Development Fund			(134,000.09)		(17,920.18)
35		Joint Committee Fund			9,048.36		18,499.75
36					109,819.34		190,346.54
37					348,925.70		664,156.89
38							
39							

Figure 1: When Details are turned on, the accounts grouped in the Item are shown. Notice how rows are inserted to show the accounts for the "Cash" Item.

Double clicking on an account's balance provide the detail of the account's balance

	2010	2009
<b>ASSETS</b>		
Current Assets		
Cash		
10000 - Bank	50,633.46	26,656.08
10003 - Petty Cash	75.00	
Short Term Deposit	50,708.46	
Accounts Receivable	62,372.22	
Prepaid expenses	8,553.56	
	121,634.24	
Investments	130,809.00	
Deposit on Rent and Wages	93,974.13	65,765.88
Fixed Assets	2,508.33	8,635.73
	348,925.70	664,156.89
<b>LIABILITIES</b>		
Current Liabilities		
Accounts Payable and Accrued Liabilities	236,074.87	444,707.10
Unearned Revenue	3,031.49	29,103.25
	239,106.36	473,810.35
<b>NET ASSETS</b>		
General Fund	234,771.07	189,766.97
Promotion, Publicity, Research and Development Fund	(134,000.09)	(17,920.18)
Joint Committee Fund	9,048.36	18,499.75
	109,819.34	190,346.54
	348,925.70	664,156.89

Entry	Cat	Description	Amount
2		To upgrade petty cash fund	25.00

and double clicking on an adjusting entry from the Account Balance Detail provide the detail of the journal entry

Entry	Cat	Allocation Account	Debit	Credit
2	A	10003 - Petty Cash	25.00	
2	A	10000 - Bank		25.00
		To upgrade petty cash fund		

Entry Comment  
To upgrade petty cash fund

You can also choose not to have the account numbers shown:

A	B	C	D	E	F	G
1	<b>Non Profit Organization Sample</b>					
2						
3	<b>Balance Sheet</b>					
4						
5	As of December 31,					
6						
7						
8				2010		2009
9						
10	<b>ASSETS</b>					
11	Current Assets					
12	Cash					
13	Cash			50,633.46		26,656.08
14	Bank			75.00		50.00
15	Petty Cash			50,708.46		26,706.08
16	Short Term Deposit					151,000.00
17	Accounts Receivable			62,372.22		256,108.71
18	Prepaid expenses			8,553.56		7,111.49
19				121,634.24		440,926.28
20						
21	Investments			130,809.00		130,809.00
22	Deposit on Rent and Wages			93,974.13		83,785.88
23	Fixed Assets			2,508.33		8,635.73
24				348,925.70		664,156.89
25						
26	<b>LIABILITIES</b>					
27	Current Liabilities					
28	Accounts Payable and Accrued Liabilities			236,074.87		444,707.10
29	Unearned Revenue			3,031.49		29,103.25
30				239,106.36		473,810.35
31						
32	<b>NET ASSETS</b>					
33	General Fund			234,771.07		189,766.97
34	Promotion, Publicity, Research and Development Fund			(134,000.09)		(17,920.18)
35	Joint Committee Fund			9,048.36		18,499.75
36				109,819.34		190,346.54
37				348,925.70		664,156.89
38						
39						

Figure 2: Details are turned on for the first Item, but the account numbers are not shown.

The detail rows are inserted prior to the Item balance, separated by cell borders: a top border is added in the Item balance cell with Details ON, and removed with Details OFF.

### Toggling an Item's Details

Select the item(s) in the worksheet that you wish to toggle:

- Click a single item
- Hold down the Ctrl key while clicking to select multiple items
- Hold down the Shift key while clicking items to select all the items in between.
- Click an item and drag the mouse to select the items within the rectangle you drag.
- Select all the items in the worksheet by clicking the square in the upper left corner of the worksheet:

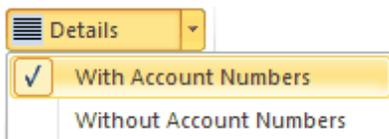


Details are toggled based on the state of the first selected item. If the first selected item does not have its details showing, then details are shown for all the selected items. Conversely, if the first selected item does have its details showing, then details are removed for all the selected items.

Note: The Details button is pushed (or not pushed) when the active cell contains (or does not contain) details, respectively .

### Show Account Numbers In Details

Whether or not Account Numbers are shown is determined by the Details ribbon button. Click on the arrow next to the Details to select from the drop down menu:



The next time you press the Details button, your choice will be used.

### Formulas

The formulas in the cells containing details are e.g.

=FSMACCOUNTTITLE("8")

=FSMACCOUNTBALANCE("8, D, 0, 0")

### Transforming Item's Accounts Into Items

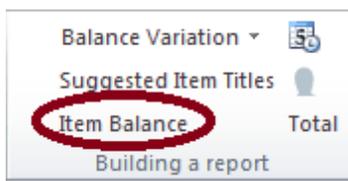
From the toggled Details of an Item (shown without account numbers in the following sample)

E30		=FSMITEMBALANCE("07bee1a1-cb53-48df-a5f3-0e242e0e70c7, C, 0, 0")				
A	B	C	D	E	F	G
1	<b>Non Profit Organization Sample</b>					
2						
3	<b>Income, expenses and balance of General funds</b>					
4						
5	for the year ended December 31,					
6						
7						
8				2010		
9						
10	<b>Income</b>					
11	Contributions					
12	Cotisations 2010			186,362.48		
13	Cotisations 03 (A=0.08 P=0.01)			-		
14	Cotisations 04 (A=0.08 P=0.02)			-		
15	Cotisations 05 (A=0.08 P=0.02)			-		
16	Cotisations 06			-		
17	Cotisations 07			2,319.23		
18	Cotisations 08			18,710.04		
19	Cotisations 09			492,531.95		
20	Cotisations table			87,805.61		
21	Cotisations crous			35,001.51		
22	Cotisations sem			12,593.68		
23	Cotisations prepel			35,577.04		
24	Joint Plan Administration			(14,368.68)		
25	Interests from prod			1,792.30		
26	Other interests			344.92		
27	AGA partnership			25,757.00		
28	Management fees (30171)			1,150.20		
29	Miscellaneous			20.24		
30				885,597.52		
31						

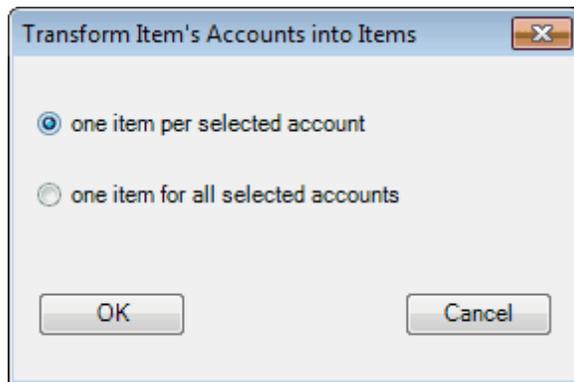
you can select accounts

E29 :    =FSMACCOUNTBALANCE("55, C, 0, 0")							
A	B	C	D	E	F	G	
1	<b>Non Profit Organization Sample</b>						
2							
3	<b>Income, expenses and balance of General funds</b>						
4							
5	for the year ended December 31,						
6							
7							
8					2010		
9							
10	<b>Income</b>						
11	Contributions						
12	Cotisations 2010				186,362.48		
13	Cotisations 03 (A=0.08 P=0.01)				-		
14	Cotisations 04 (A=0.08 P=0.02)				-		
15	Cotisations 05 (A=0.08 P=0.02)				-		
16	Cotisations 06				-		
17	Cotisations 07				2,319.23		
18	Cotisations 08				18,710.04		
19	Cotisations 09				492,531.95		
20	Cotisations table				87,805.61		
21	Cotisations crous				35,001.51		
22	Cotisations sem				12,593.68		
23	Cotisations prepel				35,577.04		
24	Joint Plan Administration				(14,368.68)		
25	Interests from prod				1,792.30		
26	Other interests				344.92		
27	AGA partnership				25,757.00		
28	Management fees (30171)				1,150.20		
29	Miscellaneous				20.24		
30					885,597.52		
31							

then click the Item Balance button from the FSM ribbon



and choose to transform the selected accounts into one item per selected account or into one item for all selected accounts



Selected accounts transformed into one item per selected account:

E11		=FSMITEMBALANCE("07bee1a1-cb53-48df-a5f3-0e242e0e70c7, C, 0, 0")				
A	B	C	D	E	F	G
1	<b>Non Profit Organization Sample</b>					
2						
3	<b>Income, expenses and balance of General funds</b>					
4						
5	for the year ended December 31,					
6						
7						
8					2010	
9						
10	<b>Income</b>					
11	Contributions				885,232.36	
12	Other interests				344.92	
13	Miscellaneous				20.24	
14						
15						

Selected accounts transformed into one item for all selected accounts:

E11		=FSMITEMBALANCE("07bee1a1-cb53-48df-a5f3-0e242e0e70c7, C, 0, 0					
A	B	C	D	E	F	G	
1	<b>Non Profit Organization Sample</b>						
2							
3	<b>Income, expenses and balance of General funds</b>						
4							
5	for the year ended December 31,						
6							
7							
8				2010			
9							
10	<b>Income</b>						
11	Contributions			885,232.36			
12	Other interests			365.16			
13							
14							
15							

## 6.2 Comparative

Comparative toggles the display of selected previous financial periods, for comparative presentation.

To illustrate, here is a financial statement with current period balances:



	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Balance Sheet</b>				
4						
5		As of December 31,				
6						
7						
8					2010	
9						
10		<b>ASSETS</b>				
11		Current Assets				
12		Cash			50,708.46	
13		Short Term Deposit				
14		Accounts Receivable			62,372.22	
15		Prepaid expenses			8,553.56	
16					121,634.24	
17						
18		Investments			130,809.00	
19		Deposit on Rent and Wages			93,974.13	
20		Fixed Assets			2,508.33	
21					348,925.70	
22						
23		<b>LIABILITIES</b>				
24		Current Liabilities				
25		Accounts Payable and Accrued Liabilities			236,074.87	
26		Unearned Revenue			3,031.49	
27					239,106.36	
28						
29		<b>NET ASSETS</b>				
30		General Fund			234,771.07	
31		Promotion, Publicity, Research and Development Fund			(134,000.09)	
32		Joint Committee Fund			9,048.36	
33					109,819.34	
34					348,925.70	
35						
36						

Here is the same report with Comparative turned on:

A	B	C	D	E	F
1	<b>Non Profit Organization Sample</b>				
2					
3	<b>Balance Sheet</b>				
4					
5	As of December 31,				
6					
7					
8				2010	2009
9					
10	<b>ASSETS</b>				
11	Current Assets				
12	Cash			50,708.46	26,706.08
13	Short Term Deposit				151,000.00
14	Accounts Receivable			62,372.22	256,108.71
15	Prepaid expenses			8,553.56	7,111.49
16				121,634.24	440,926.28
17					
18	Investments			130,809.00	130,809.00
19	Deposit on Rent and Wages			93,974.13	83,785.88
20	Fixed Assets			2,508.33	8,635.73
21				348,925.70	664,156.89
22					
23	<b>LIABILITIES</b>				
24	Current Liabilities				
25	Accounts Payable and Accrued Liabilities			236,074.87	444,707.10
26	Unearned Revenue			3,031.49	29,103.25
27				239,106.36	473,810.35
28					
29	<b>NET ASSETS</b>				
30	General Fund			234,771.07	189,766.97
31	Promotion, Publicity, Research and Development Fund			(134,000.09)	(17,920.18)
32	Joint Committee Fund			9,048.36	18,499.75
33				109,819.34	190,346.54
34				348,925.70	664,156.89
35					
36					

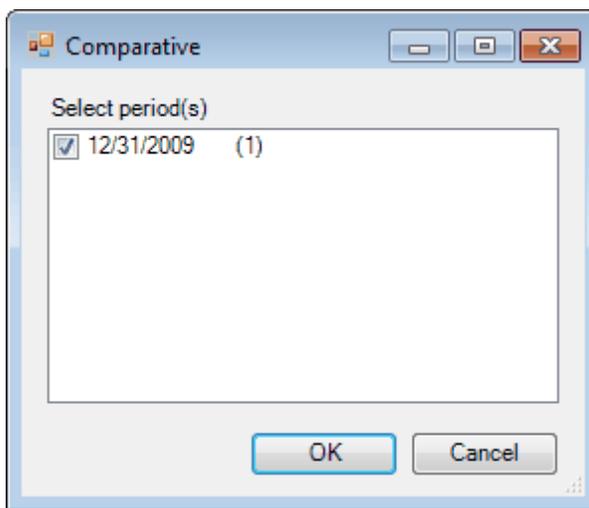
The previous period's balances are shown in column F (adjacent to the report's item balances, in column E).

Note: Blank columns can be inserted between periods, for clarity.

### Toggleing Comparative Periods

Comparative periods can be shown or hidden separately, for each worksheet in your workbook. When the active worksheet has Comparative turned on, the Comparative button is pushed in.

When turning Comparative on, you will be prompted to select the previous periods you wish to show:



(The number between parentheses is the index of the period used in the FSM formulas, index 0 being the index of the current period, i.e., the index of the last trial balance read.)

Each period that you read a Trial Balance for will be shown. Check the periods you desire, and click OK. One column will be added for each selected period. The number of comparative periods that can be presented is limited only by the number of columns available in Excel.

Clicking Cancel leaves Comparative turned off.

Note that if a financial report was built with the Balance Variation button ON (such as the Cash Flow statement, Quarterly financial statements, financial statement Notes), the Comparative button will be disabled. Comparative columns will be done manually by copying the current period column and then select periods range by clicking the Balance Variation Down Arrow button.

## 6.3 Adjusted Balances

The Adjusted balances button allows you to look at your financial report with or without the computation of the adjusting entries. If the button is OFF, the unadjusted balances of accounts, items and totals will be displayed by having ExcelFSM ignore the adjusting entries. By default, the button is ON.

If turned ON, balances will be updated with the Adjusting Entries.

A	B	C	D	E	F
1	<b>Non Profit Organization Sample</b>				
2					
3	<b>Balance Sheet</b>				
4					
5	As of December 31,				
6					
7					
8				2010	
9					
10	<b>ASSETS</b>				
11	Current Assets				
12	Cash			50,708.46	
13	Short Term Deposit				
14	Accounts Receivable			62,372.22	
15	Prepaid expenses			8,553.56	
16				121,634.24	
17					
18	Investments			130,809.00	
19	Deposit on Rent and Wages			93,974.13	
20	Fixed Assets			2,508.33	
21				348,925.70	
22					
23	<b>LIABILITIES</b>				
24	Current Liabilities				
25	Accounts Payable and Accrued Liabilities			236,074.87	
26	Unearned Revenue			3,031.49	
27				239,106.36	
28					
29	<b>NET ASSETS</b>				
30	General Fund			234,771.07	
31	Promotion, Publicity, Research and Development Fund			(134,000.09)	
32	Joint Committee Fund			9,048.36	
33				109,819.34	
34				348,925.70	
35					
36					

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Income, expenses and balance of General funds</b>				
4						
5		for the year ended December 31,				
6						
7						
8					2010	
9						
10		<b>Income</b>				
11		Contributions			858,325.16	
12		Interests and others			365.16	
13		AGA partnership			25,757.00	
14		Management fees			1,150.20	
15					<u>885,597.52</u>	
16		<b>Expenses</b>				
17		PAU contribution			127,131.19	
18		General administration			429,893.60	
19		Union administration			82,000.00	
20		Technical services			163,561.77	
21		Others expenses			38,005.41	
22					<u>840,591.97</u>	
23					45,005.55	
24		<b>Net assets - beginning</b>			<u>189,765.52</u>	
25		<b>Net assets - ending</b>			<u>234,771.07</u>	
26						
27						

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Income, expenses and balance of Publicity, promotion, research and development funds</b>				
4						
5		for the year ended December 31,				
6						
7						
8					2010	
9						
10		<b>Income</b>				
11		Special contributions			170,977.42	
12		Financial aid			187,620.73	
13		Others			10,680.79	
14					369,278.94	
15		<b>Expenses</b>				
16		<b>Administration</b>				
17		Joint plan committees			50,301.00	
18		Office supplies			1,726.14	
19		Parm			3,340.36	
20		Others expenses, promotion			6,034.73	
21		Valorisation initiative			5,729.00	
22		University PAU			2,469.00	
23		Quality program			35,893.85	
24					105,494.08	
25		<b>Projects</b>				
26		Certification sem			9,859.92	
27		Hydro			10,678.00	
28		Nema			18,200.00	
29		Micro			28,000.00	
30		Virus			44,330.55	
31		DAQC nema			2,790.43	
32		Invoices project			188,772.24	
33		Extra buying project				
34		Sectorial reorganisation			35,692.09	
35		RIH studies			41,541.54	
36		Healthiness program				
37					379,864.77	
38					485,358.85	
39					(116,079.91)	
40		<b>Net assets - beginning</b>			17,920.18	
41		<b>Net assets - ending</b>			(134,000.09)	
42						
43						

If turned OFF, balances will be updated to ignore any Adjusting Entries.

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Balance Sheet</b>				
4						
5		As of December 31,				
6						
7						
8					2010	
9						
10		<b>ASSETS</b>				
11		Current Assets				
12		Cash			50,708.46	
13		Short Term Deposit				
14		Accounts Receivable			62,372.22	
15		Prepaid expenses			8,553.56	
16					<u>121,634.24</u>	
17						
18		Investments			130,809.00	
19		Deposit on Rent and Wages			93,974.13	
20		Fixed Assets			2,508.33	
21					<u>348,925.70</u>	
22						
23		<b>LIABILITIES</b>				
24		Current Liabilities				
25		Accounts Payable and Accrued Liabilities			236,074.87	
26		Unearned Revenue			3,031.49	
27					<u>239,106.36</u>	
28						
29		<b>NET ASSETS</b>				
30		General Fund			205,892.06	
31		Promotion, Publicity, Research and Development Fund			(105,121.08)	
32		Joint Committee Fund			9,048.36	
33					<u>109,819.34</u>	
34					<u>348,925.70</u>	
35						
36						

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Income, expenses and balance of General funds</b>				
4						
5		for the year ended December 31,				
6						
7						
8					2010	
9						
10		<b>Income</b>				
11		Contributions			858,325.16	
12		Interests and others			365.16	
13		AGA partnership			25,757.00	
14		Management fees			1,150.20	
15					885,597.52	
16		<b>Expenses</b>				
17		PAU contribution			127,131.19	
18		General administration			429,893.60	
19		Union administration			82,000.00	
20		Technical services			192,440.78	
21		Others expenses			38,005.41	
22					869,470.98	
23					16,126.54	
24		<b>Net assets - beginning</b>			189,765.52	
25		<b>Net assets - ending</b>			205,892.06	
26						
27						



	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Income, expenses and balance of Publicity, promotion, research and development funds</b>				
4						
5		for the year ended December 31,				
6						
7						
8					2010	
9						
10		<b>Income</b>				
11		Special contributions			170,977.42	
12		Financial aid			216,499.74	
13		Others			10,680.79	
14					398,157.95	
15		<b>Expenses</b>				
16		Administration				
17		Joint plan committees			50,301.00	
18		Office supplies			1,726.14	
19		Parm			3,340.36	
20		Others expenses, promotion			6,034.73	
21		Valorisation initiative			5,729.00	
22		University PAU			2,469.00	
23		Quality program			35,893.85	
24					105,494.08	
25		Projects				
26		Certification sem			9,859.92	
27		Hydro			10,678.00	
28		Nema			18,200.00	
29		Micro			28,000.00	
30		Virus			44,330.55	
31		DAQC nema			2,790.43	
32		Invoices project			188,772.24	
33		Extra buying project				
34		Sectorial reorganisation			35,692.09	
35		RIH studies			41,541.54	
36		Healthiness program				
37					379,864.77	
38					485,358.85	
39					(87,200.90)	
40		<b>Net assets - beginning</b>			17,920.18	
41		<b>Net assets - ending</b>			(105,121.08)	
42						
43						

Note: Each worksheet remembers its own Adjusted/Unadjusted state.

### Adjusting entry categories

If you categorized some adjusting entries

Entry	Cat	Allocation Account	Debit	Credit
1		30184 - APAM - virus (80184)	28,879.01	
1		30071 - Services rendered		28,879.01
1		To reclassify services rende...		
2	A	10003 - Petty Cash	25.00	
2	A	10000 - Bank		25.00
2	A	To upgrade petty cash fund		

Entry Comment  
To upgrade petty cash fund

Clicking on the Adjusted balances down arrow button allows selecting/unselecting adjusting entry categories for the computation of the adjusted balances.

Check adjusting entry categories to process with

- 
- A

Select/Unselect All OK Cancel

Note that by default, categories are selected.

Turning the Adjusted balances button ON, balances will be updated with the Adjusting Entries of the selected categories.

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Balance Sheet</b>				
4						
5		<b>As of December 31,</b>				
6						
7						
8					2010	
9						
10		<b>ASSETS</b>				
11		Current Assets				
12		Cash				
13		10000 - Bank			50,658.46	
14		10003 - Petty Cash			50.00	
15					50,708.46	
16		Short Term Deposit				
17		Accounts Receivable			62,372.22	
18		Prepaid expenses			8,553.56	
19					121,634.24	
20						
21		Investments			130,809.00	
22		Deposit on Rent and Wages			93,974.13	
23		Fixed Assets			2,508.33	
24					348,925.70	
25						
26		<b>LIABILITIES</b>				
27		Current Liabilities				
28		Accounts Payable and Accrued Liabilities			236,074.87	
29		Unearned Revenue			3,031.49	
30					239,106.36	
31						
32		<b>NET ASSETS</b>				
33		General Fund			205,892.06	
34		Promotion, Publicity, Research and Development Fund			(105,121.08)	
35		Joint Committee Fund			9,048.36	
36					109,819.34	
37					348,925.70	
38						
39						

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Balance Sheet</b>				
4						
5		As of December 31,				
6						
7						
8					2010	
9						
10		<b>ASSETS</b>				
11		Current Assets				
12		Cash				
13		10000 - Bank			50,633.46	
14		10003 - Petty Cash			75.00	
15					50,708.46	
16		Short Term Deposit				
17		Accounts Receivable				62,372.22
18		Prepaid expenses				8,553.56
19					121,634.24	
20						
21		Investments				130,809.00
22		Deposit on Rent and Wages				93,974.13
23		Fixed Assets				2,508.33
24					348,925.70	
25						
26		<b>LIABILITIES</b>				
27		Current Liabilities				
28		Accounts Payable and Accrued Liabilities				236,074.87
29		Unearned Revenue				3,031.49
30					239,106.36	
31						
32		<b>NET ASSETS</b>				
33		General Fund				205,892.06
34		Promotion, Publicity, Research and Development Fund				(105,121.08)
35		Joint Committee Fund				9,048.36
36					109,819.34	
37					348,925.70	
38						
39						

Looking at the Adjusting Entries, the unselected category letters are lowercased ('@' replacing blank), and selected categories letters remains uppercased.

Entry	Cat	Allocation Account	Debit	Credit
1	@	30184 - APAM - virus (80184)	28,879.01	
1	@	30071 - Services rendered		28,879.01
1	@	To reclassify services rende...		
2	A	10003 - Petty Cash	25.00	
2	A	10000 - Bank		25.00
2	A	To upgrade petty cash fund		

Entry Comment  
To upgrade petty cash fund

Note: Each worksheet remembers its own category selection

NOTE: The Adjusting Entries affect the current financial period balances only, and not the balances of previous financial periods.

## 6.4 Rounded

The Rounded button allows you to look at your financial report with the rounded balances of accounts, items and totals, by having ExcelFSM rounding the value of the accounts balances.

If turned ON, balances will be displayed and computed with rounded values.

If turned OFF, balances will be displayed and computed with decimals values.

Each worksheet remembers its own Rounded state.

**Excel 'rounding' to 0 decimal with Format Cells | Number.**

Here is a sample of a financial statement displayed with decimals values:

A	B	C	D	E	F
1	<b>Non Profit Organization Sample</b>				
2					
3	<b>Balance Sheet</b>				
4					
5	As of December 31,				
6					
7					
8				2010	
9					
10	<b>ASSETS</b>				
11	Current Assets				
12	Cash			50,708.46	
13	Short Term Deposit				
14	Accounts Receivable			62,372.22	
15	Prepaid expenses			8,553.56	
16				<u>121,634.24</u>	
17					
18	Investments			130,809.00	
19	Deposit on Rent and Wages			93,974.13	
20	Fixed Assets			2,508.33	
21				<u>348,925.70</u>	
22					
23	<b>LIABILITIES</b>				
24	Current Liabilities				
25	Accounts Payable and Accrued Liabilities			236,074.87	
26	Unearned Revenue			3,031.49	
27				<u>239,106.36</u>	
28					
29	<b>NET ASSETS</b>				
30	General Fund			234,771.07	
31	Promotion, Publicity, Research and Development Fund			(134,000.09)	
32	Joint Committee Fund			9,048.36	
33				<u>109,819.34</u>	
34				<u>348,925.70</u>	
35					
36					

By changing the decimal places to 0 in the Format Cells | Number, we get the financial statement displayed with rounded values:

	A	B	C	D	E	F
1		<b>Non Profit Organization Sample</b>				
2						
3		<b>Balance Sheet</b>				
4						
5		As of December 31,				
6						
7						
8					2010	
9						
10		<b>ASSETS</b>				
11		Current Assets				
12		Cash			50,708	
13		Short Term Deposit				
14		Accounts Receivable			62,372	
15		Prepaid expenses			8,554	
16					121,634	
17						
18		Investments			130,809	
19		Deposit on Rent and Wages			93,974	
20		Fixed Assets				2,508
21					348,926	
22						
23		<b>LIABILITIES</b>				
24		Current Liabilities				
25		Accounts Payable and Accrued Liabilities			236,075	
26		Unearned Revenue			3,031	
27					239,106	
28						
29		<b>NET ASSETS</b>				
30		General Fund			234,771	
31		Promotion, Publicity, Research and Development Fund			(134,000)	
32		Joint Committee Fund			9,048	
33					109,819	
34					348,926	
35						
36						

As it can be observed in the Assets section for example, and in the Liabilities + Net Assets section as well, changing the decimal places to 0 in the Format Cells | Number results in accuracy problems.:

121 634 + 130 809 + 93 974 + 2 508 = 348 925 not 348 926 as displayed in the Assets section.  
239 106 + 234 771 - 134 000 + 9 048 = 348 925 not 348 926 as displayed in the Liabilities + Net Assets section.

This is because Excel only rounded the display of the value of each cell, while still performing computation with the decimals values.

### **ExcelFSM rounding process**

By turning On the Rounded button, ExcelFSM not only displays rounded values, but also computes with the rounded values of the accounts balances, which provides accuracy:



A	B	C	D	E	F	
1	<b>Non Profit Organization Sample</b>					
2						
3	<b>Balance Sheet</b>					
4						
5	As of December 31,					
6						
7						
8				2010		
9						
10	<b>ASSETS</b>					
11	Current Assets					
12	Cash			50,708		
13	Short Term Deposit					
14	Accounts Receivable			62,372		
15	Prepaid expenses			8,554		
16				121,634		
17						
18	Investments			130,809		
19	Deposit on Rent and Wages			93,974		
20	Fixed Assets					
21				348,925		
22						
23	<b>LIABILITIES</b>					
24	Current Liabilities					
25	Accounts Payable and Accrued Liabilities			236,075		
26	Unearned Revenue			3,031		
27				239,106		
28						
29	<b>NET ASSETS</b>					
30	General Fund			234,771		
31	Promotion, Publicity, Research and Development Fund			(134,000)		
32	Joint Committee Fund			9,048		
33				109,819		
34				348,925		
35						
36						

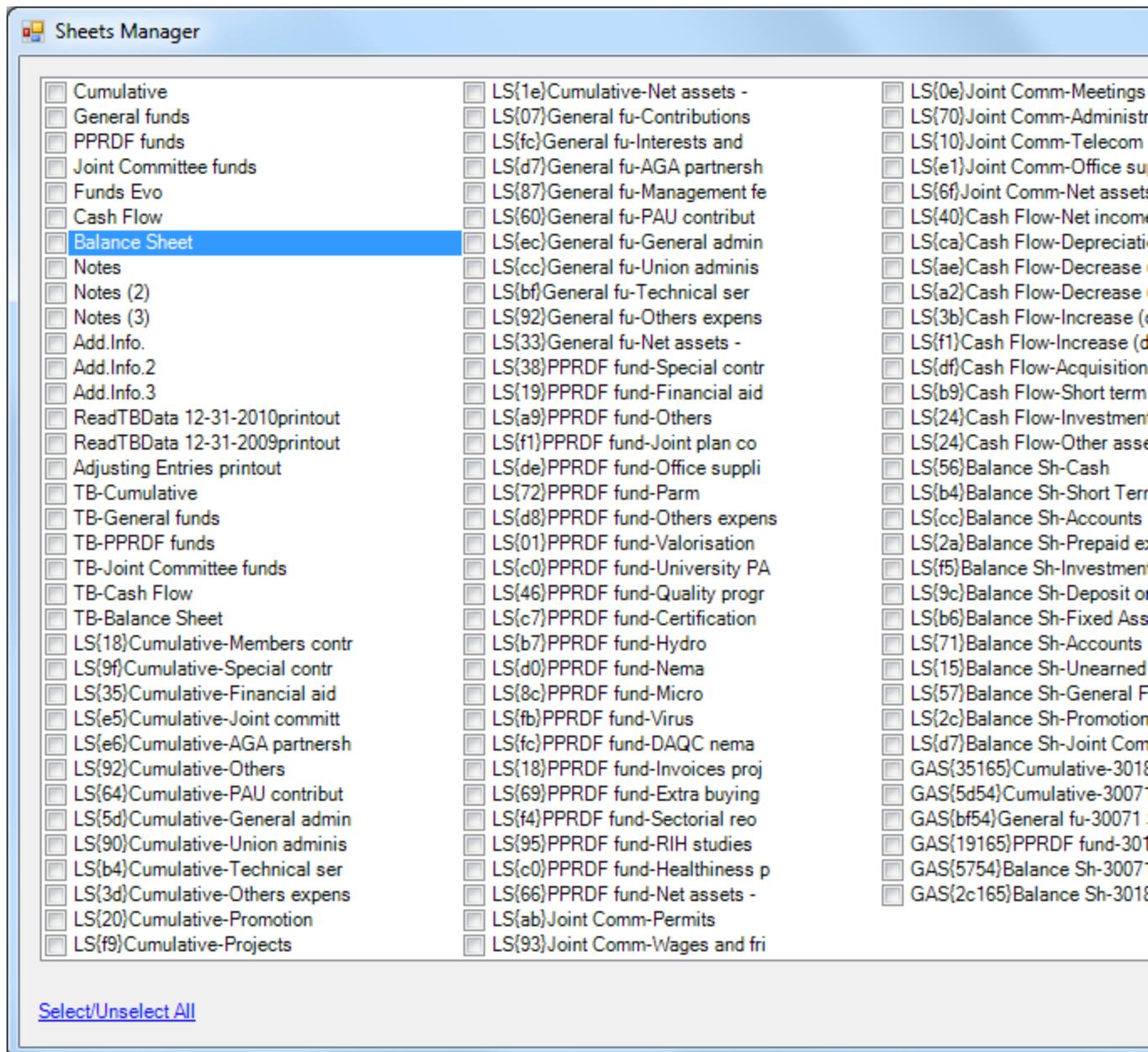
### **The rounding Adjusting Entry**

As any accountant is familiar with, the rounding process sometimes results in an out of balance of 1 between the Total Assets and the Total Liabilities & Equity. To rectify that we simply record an adjusting entry, and since ExcelFSM performs computations with the rounded values of the accounts balances, we simply need to debit/credit an account balance by an amount that will change the rounded value by 1, while, on the other hand, the rounded value of the counter part must not change.

Another way to rectify this out of balance is to add a 'Rounding account' to the Chart of Accounts, then record an adjusting entry to debit/credit an account balance by the out of balance amount using this 'Rounding account' for the counter part, and leave this 'Rounding account' ungrouped into any item.

## **7 Sheets Manager**

View, insert, re-order, copy, update, and create PDF or XPS files for selected sheets in the workbook.



The financial reports can represent a lot of sheets in the workbook. Managing these sheets from the worksheet tabs at the bottom of Excel can be tedious and time consuming.

The *Excel/FSM* Sheets Manager allows to see all the sheets at one glance. The Sheets Manager dialog is movable and resizable. The bigger you make the window, the more sheets are visible.

Simply click on a sheet to make this sheet active.

- Click Insert to insert a sheet before this active sheet
- Click Move to move the active sheet, by selecting the sheet to move it before and then click move again.

- Click Copy to make a copy of the active sheet

To delete sheet(s), check the desired sheet(s), then click Delete.

To create a PDF or XPS file, check the desired sheet(s), then click Create PDF or XPS

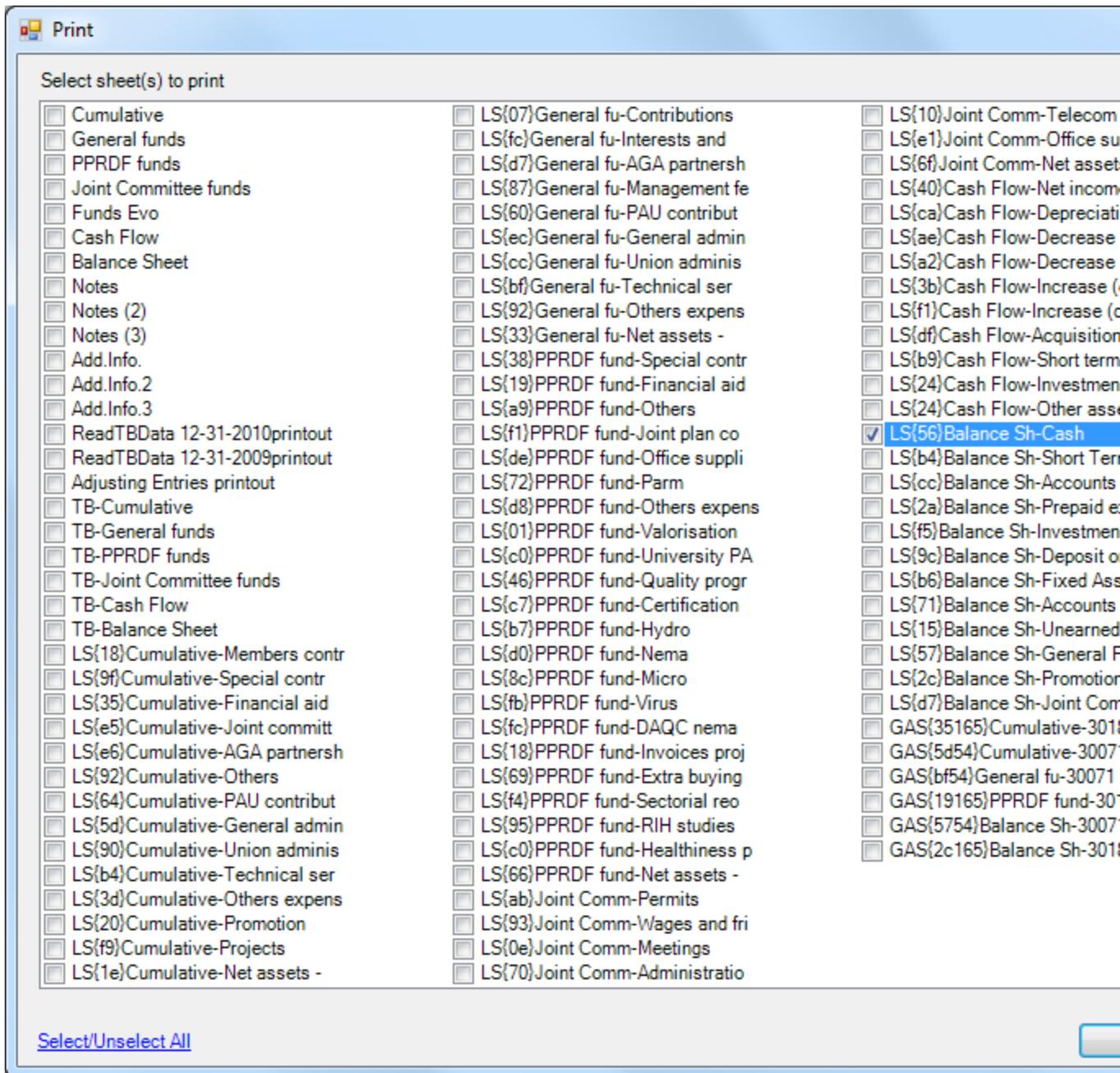
To rename the active sheet, use the tag at the bottom and right click - Rename

## 8 Print

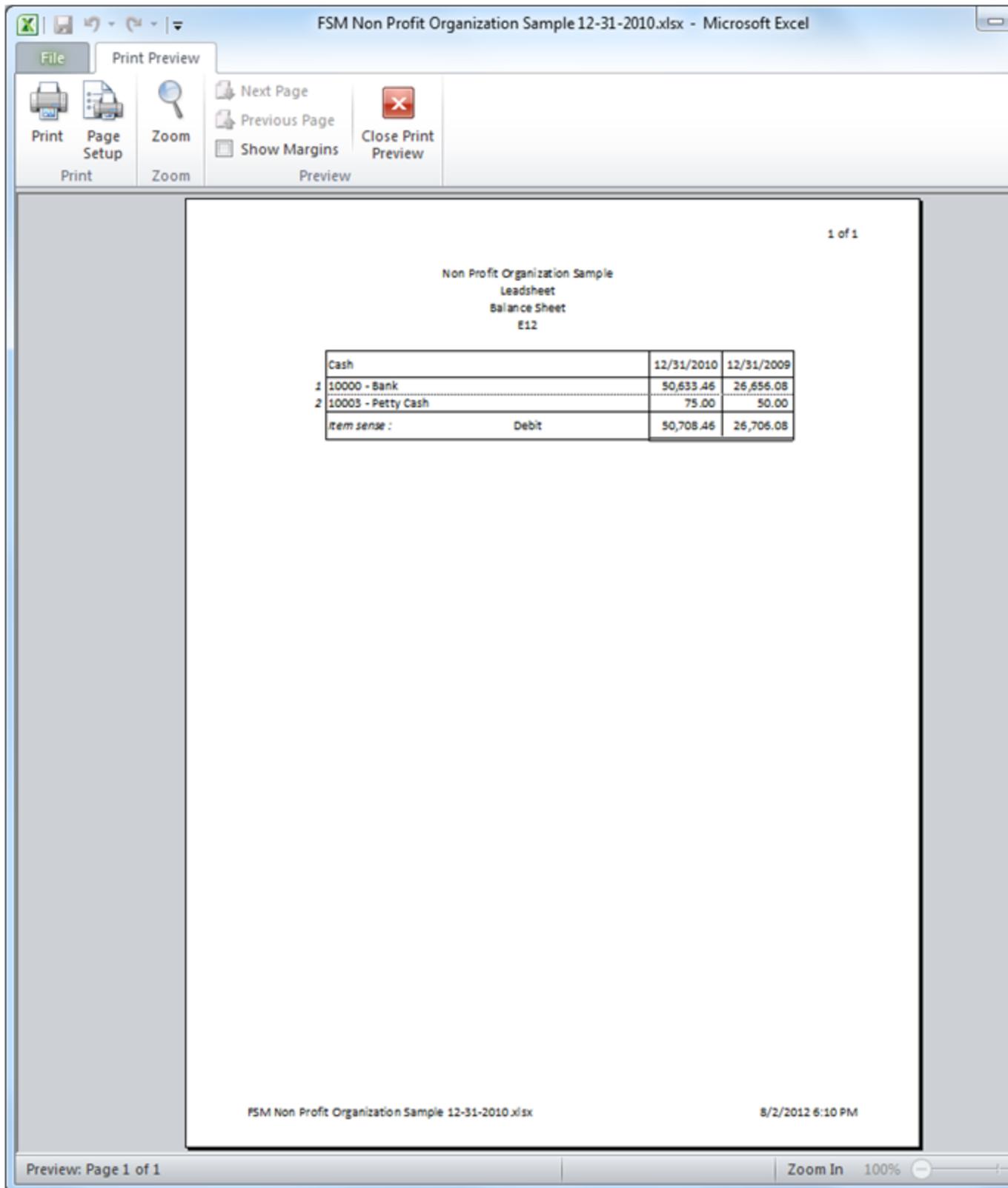
The Print Report button lets you easily Print Preview (then Print if desired) selected worksheets in the active workbook.

When you click the button, a dialog allows you to see all the sheets at one glance. This dialog is movable and resizable. The bigger you make the window, the more sheets are visible:

(Note that clicking on a sheet make it the active sheet)



Check the desired sheets, then click Print to show the Print Preview:



The Excel Print Preview dialog.

From here, you can click Print, Page Setup, etc. to adjust your printout or simply click the 'X' to abort.

Note that you can also click on a sheet to make it the active sheet, and then use the Excel menu item File | Print.

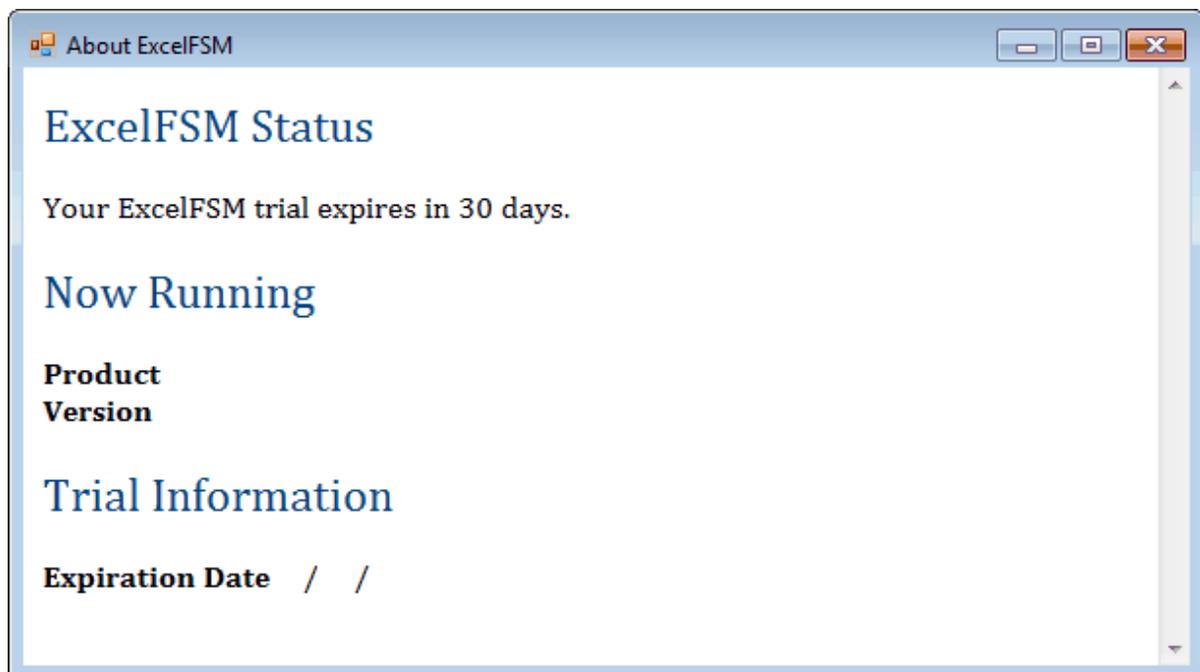
## 9 Help

The Help button shows this Help file.

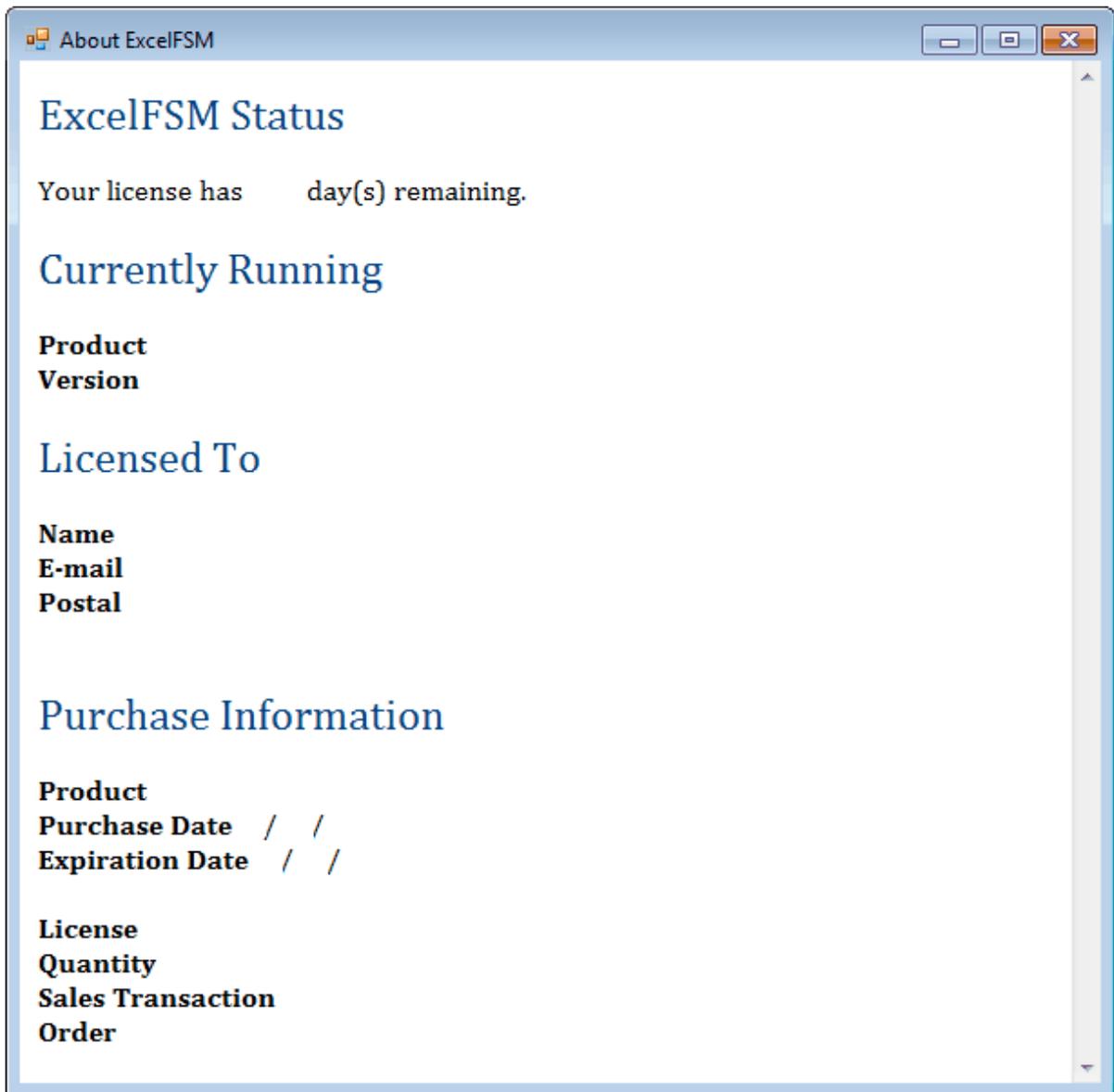
For up to date news, please see <http://excel-fsm.com>

## 10 About

Running ExcelFSM without a license, the following dialog is displayed



Running ExcelFSM with a license, the following dialog is displayed



The Running Product can be:

- STD ..... Standard Edition
- QB ..... Hybrid Edition for QuickBooks Desktop Users
- QBO ..... Hybrid Edition for QuickBooks Online Users
- QBQBO ..... Hybrid Edition for QuickBooks (Desktop and Online) Users
  
- PRO ..... Professional Edition
- PRO/QB ..... Professional Edition with Support QuickBooks Desktop
- PROQBO ..... Professional Edition with Support QuickBooks Online
- PROQBQBO ... Professional Edition with Support QuickBooks Desktop and Online

(Product for Purchase Information is STD or PRO)



The Running Version is the one currently installed in your Excel. To see if you are running the current version available, please visit our website.

## 11 ExcelFSM

ExcelFSM transforms Microsoft Excel into a universal fully integrated financial reports generator by implementing the *Financial Statement Module* (US Patent 7139729), and the *Reading, Organizing and Manipulating Accounting Data* (US Patent 7885868).

The *Financial Statement Module* describes a unique and universal method to build financial statements with a computer employing optimal data structures and algorithms, allowing the module to read, organize and manipulate the accounting data of any accounting software.

The *Financial Statement Module* inventor earned a professional degree in computer programming, and a Bachelor's degree in Business Administration, with a concentration in Accounting. He went on to work as an external auditor, generating financial statements from the accounting data of many clients. This accounting data arrived in different forms and was produced by different products. Typically he would start with the trial balance (resulting from the bookkeeping process), make adjustments to account balances in accordance with the generally accepted accounting principles (GAAP), group accounts into financial statement items, present those items by category; and finally, generate reports, financial statements and the auditor's report, first by hand, then with a word processor.

While the industry is replete with products and tools for bookkeeping, there were no universal tools offering the flexibility and capacities of a word processor while integrating accounting data, to facilitate the work done by accounting persons such as accountants, financial officers, and auditors.

With his unique background combining professional accounting and computer programming, the inventor envisioned a universal tool that would allow an accounting person to extract data from any bookkeeping software package, and easily derive any financial statement. We have yet to find any reference that even comes close to the features of his invention.

We now know how, in a simple way, the *Financial Statement Module*, with its organization of the accounting data in the computer memory and its algorithms, manipulate the data structures to group the accounts' balances into financial items and to group financial statement items' balances into totals, and to build financial statements.

By using this invention, we can now build financial statements from the trial balance accounting data of any accounting system, without any framework to respect. The method makes the distinction between two types of balances appearing on a financial statement, allowing the user to group accounts into financial statements items and to group financial statements items into totals, using simple point and click on the screen. Thanks to the optimal data structures and algorithms of this unique and universal method, we can now build any type of financial statements with a computer.

Thanks to *the Financial Statement Module*, the *Excel* spreadsheet has now become

- a universal financial reports generator (for any accounting software)

