

# Profits Quick Start Guides

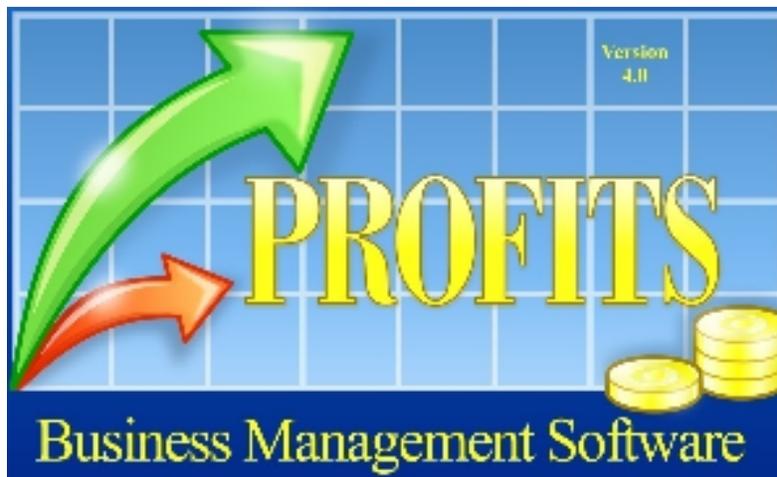
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**Practical Computer Solutions Inc.**

*3082 Sandy Plains Road  
Marietta GA 30066-4720*

*Voice: 770-569-2900 Fax: 770-560-4446*



## Profits Provider Layout Creation



## Overview

Profits stores its data files using Fujitsu's proprietary ISAM file structure. This type of file can only be read by programs written in Fujitsu COBOL. Because of this, you cannot access your Profits data using third party products such as Excel or Crystal Reports. This interface does not allow you to modify the Profits data, it is one way link.

PCS has developed a product, Profits Data Provider, that will remove this limitation. The Profits Data Provider lets third party products, such as Excel, access the data files enabling you to more easily manipulate your data.

The Profits Provider program is stored in the \PCS folder that is located on the same drive as your Profits programs. This is usually a shared drive on a server, but it could also be on your local hard drive.

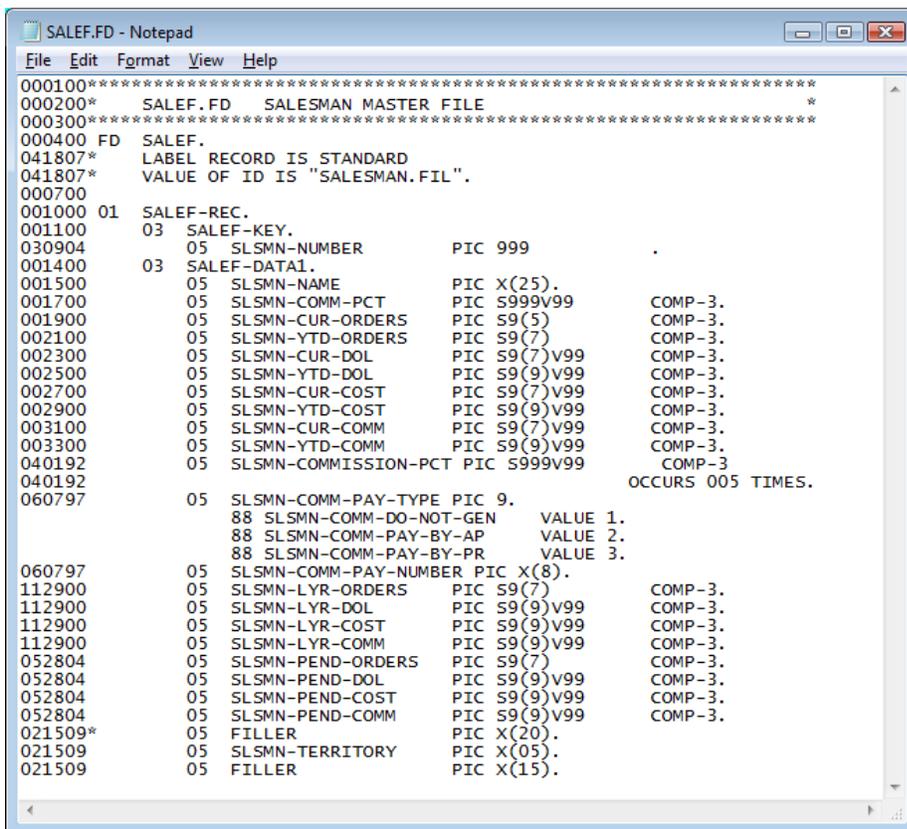
Also stored in the \PCS folder is a subfolder called LAYOUT. This folder contains a .LAY file for each data file you can access. These LAY file informs the Profits Provider about the data structure of the file and what fields make up the file. These LAY files are provided by PCS for each of your Profits data files.

The last file that is contained in the LAYOUT folder is an INI file. This INI file stores the link between the physical data file and the record layout (LAY) file. Again this file will be provided by PCS with your Profits system.

## FD Record

Fujitsu provides a utility called the Layout Definition. This program will read a COBOL FD file and create a Layout Definition file from it. This definition file is the format used by the Profits Provider.

Below is an example of a COBOL FD for our Salesman Master file. This file must be modified before it can be processed by the Fujitsu Layout utility.



```

SALEF.FD - Notepad
File Edit Format View Help
000100*****
000200*   SALEF.FD   SALESMAN MASTER FILE   *
000300*****
000400 FD   SALEF.
041807*   LABEL RECORD IS STANDARD
041807*   VALUE OF ID IS "SALESMAN.FIL".
000700
001000 01  SALEF-REC.
001100    03  SALEF-KEY.
030904    05  SLSMN-NUMBER          PIC 999
001400    03  SALEF-DATA1.
001500    05  SLSMN-NAME            PIC X(25).
001700    05  SLSMN-COMM-PCT        PIC S999V99      COMP-3.
001900    05  SLSMN-CUR-ORDERS     PIC S9(5)        COMP-3.
002100    05  SLSMN-YTD-ORDERS     PIC S9(7)        COMP-3.
002300    05  SLSMN-CUR-DOL        PIC S9(7)V99     COMP-3.
002500    05  SLSMN-YTD-DOL        PIC S9(9)V99     COMP-3.
002700    05  SLSMN-CUR-COST       PIC S9(7)V99     COMP-3.
002900    05  SLSMN-YTD-COST       PIC S9(9)V99     COMP-3.
003100    05  SLSMN-CUR-COMM       PIC S9(7)V99     COMP-3.
003300    05  SLSMN-YTD-COMM       PIC S9(9)V99     COMP-3.
040192    05  SLSMN-COMMISSION-PCT PIC S999V99      COMP-3
040192                                     OCCURS 005 TIMES.
060797    05  SLSMN-COMM-PAY-TYPE PIC 9.
      88  SLSMN-COMM-DO-NOT-GEN    VALUE 1.
      88  SLSMN-COMM-PAY-BY-AP     VALUE 2.
      88  SLSMN-COMM-PAY-BY-PR     VALUE 3.
060797    05  SLSMN-COMM-PAY-NUMBER PIC X(8).
112900    05  SLSMN-LYR-ORDERS     PIC S9(7)        COMP-3.
112900    05  SLSMN-LYR-DOL        PIC S9(9)V99     COMP-3.
112900    05  SLSMN-LYR-COST       PIC S9(9)V99     COMP-3.
112900    05  SLSMN-LYR-COMM       PIC S9(9)V99     COMP-3.
052804    05  SLSMN-PEND-ORDERS   PIC S9(7)        COMP-3.
052804    05  SLSMN-PEND-DOL      PIC S9(9)V99     COMP-3.
052804    05  SLSMN-PEND-COST     PIC S9(9)V99     COMP-3.
052804    05  SLSMN-PEND-COMM     PIC S9(9)V99     COMP-3.
021509*    05  FILLER              PIC X(20).
021509    05  SLSMN-TERRITORY     PIC X(05).
021509    05  FILLER              PIC X(15).

```

First remove the FD (line 000400) from the file. Second change all hypens (-) to underscores (\_). Also make sure no text is past column 72. Below is how the revised file should look. Make sure *not* to change your COMP-3 to COMP\_3.

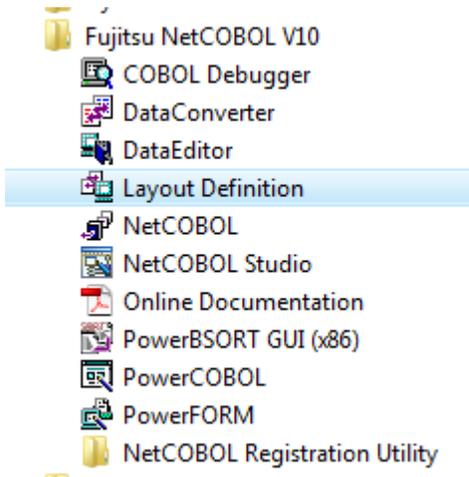
```

SALEF.FD - Notepad
File Edit Format View Help
000100*****
000200*   SALEF.FD   SALESMAN MASTER FILE   *
000300*****
041807*   LABEL RECORD IS STANDARD
041807*   VALUE OF ID IS "SALESMAN.FIL".
000700
001000 01  SALEF_REC.
001100      03  SALEF_KEY.
030904      05  SLSMN_NUMBER      PIC 999      .
001400      03  SALEF_DATA1.
001500      05  SLSMN_NAME      PIC X(25).
001700      05  SLSMN_COMM_PCT  PIC S999V99      COMP-3.
001900      05  SLSMN_CUR_ORDERS PIC S9(5)      COMP-3.
002100      05  SLSMN_YTD_ORDERS PIC S9(7)      COMP-3.|
002300      05  SLSMN_CUR_DOL   PIC S9(7)V99     COMP-3.
002500      05  SLSMN_YTD_DOL   PIC S9(9)V99     COMP-3.
002700      05  SLSMN_CUR_COST   PIC S9(7)V99     COMP-3.
002900      05  SLSMN_YTD_COST   PIC S9(9)V99     COMP-3.
003100      05  SLSMN_CUR_COMM   PIC S9(7)V99     COMP-3.
003300      05  SLSMN_YTD_COMM   PIC S9(9)V99     COMP-3.
040192      05  SLSMN_COMMISSION_PCT PIC S999V99     COMP-3
040192                                         OCCURS 005 TIMES.
060797      05  SLSMN_COMM_PAY_TYPE PIC 9.
          88  SLSMN_COMM_DO_NOT_GEN  VALUE 1.
          88  SLSMN_COMM_PAY_BY_AP   VALUE 2.
          88  SLSMN_COMM_PAY_BY_PR   VALUE 3.
060797      05  SLSMN_COMM_PAY_NUMBER PIC X(8).
112900      05  SLSMN_LYR_ORDERS  PIC S9(7)      COMP-3.
112900      05  SLSMN_LYR_DOL    PIC S9(9)V99     COMP-3.
112900      05  SLSMN_LYR_COST   PIC S9(9)V99     COMP-3.
112900      05  SLSMN_LYR_COMM   PIC S9(9)V99     COMP-3.
052804      05  SLSMN_PEND_ORDERS PIC S9(7)      COMP-3.
052804      05  SLSMN_PEND_DOL   PIC S9(9)V99     COMP-3.
052804      05  SLSMN_PEND_COST   PIC S9(9)V99     COMP-3.
052804      05  SLSMN_PEND_COMM   PIC S9(9)V99     COMP-3.
021509*      05  FILLER          PIC X(20).
021509      05  SLSMN_TERRITORY  PIC X(05).
021509      05  FILLER          PIC X(15).

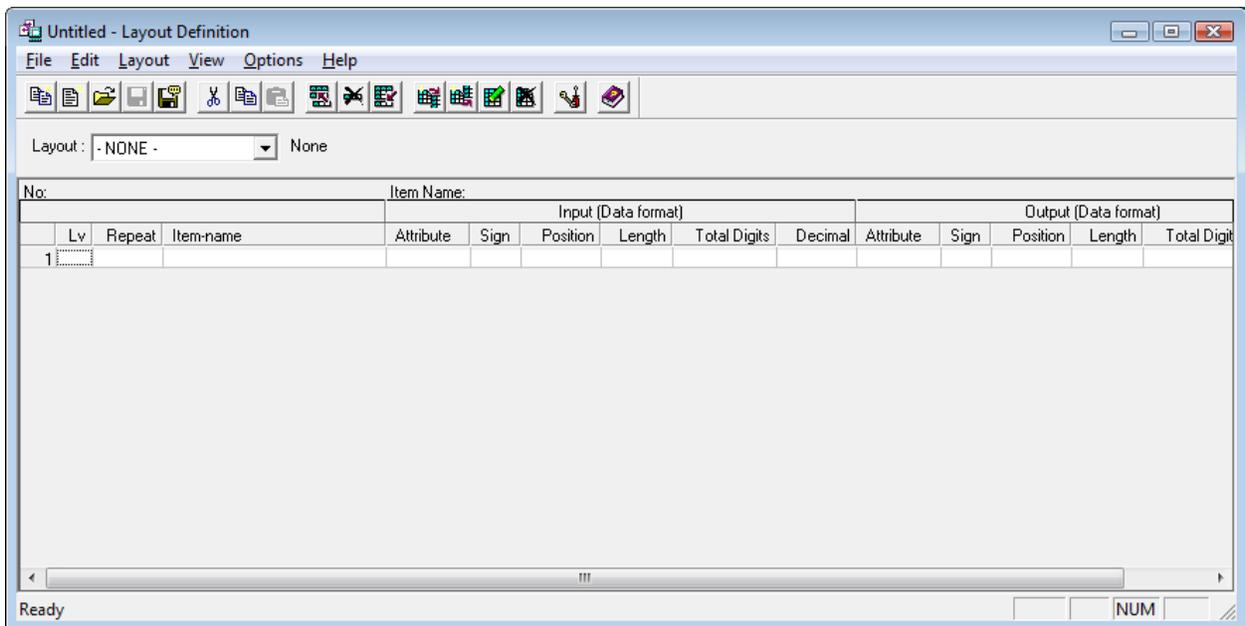
```

## Layout Definition Utility

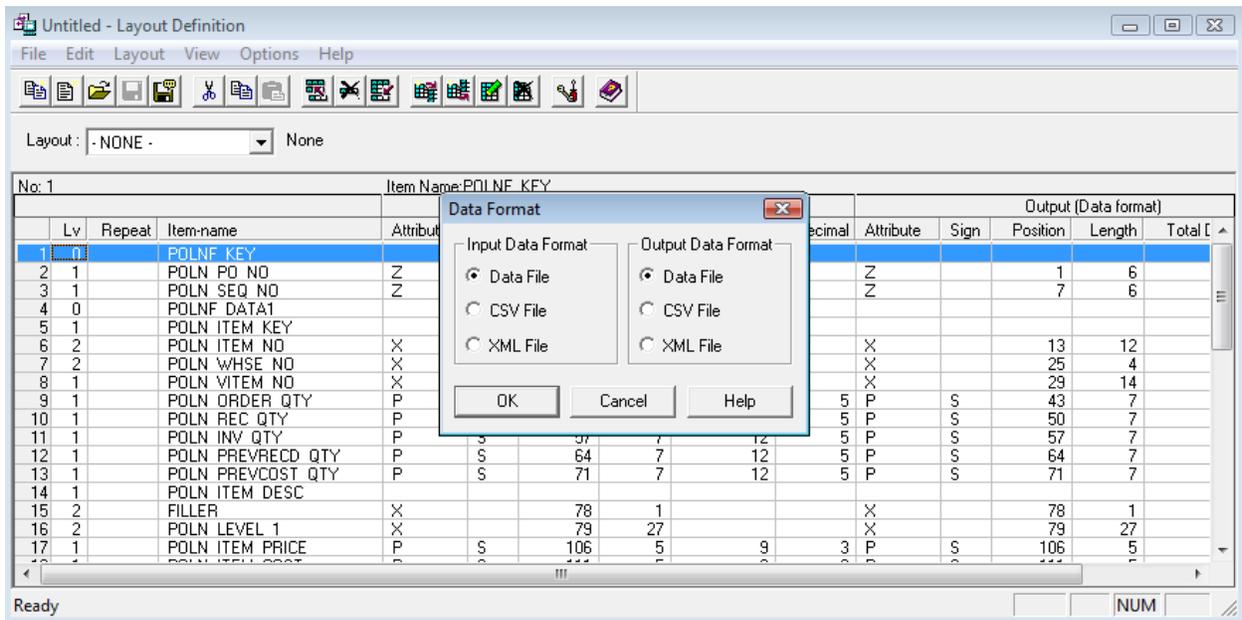
Once you have your FD files cleaned up you are ready to create the .LAY files that will be used by the Profits Provider. Start the Layout Definition utility from your Start button or browse to it in my computer. If you used the default folder during the installation of the COBOL, it should be located at C:\Program Files\Fujitsu NetCOBOL for Windows\DataTools\LAYOUT.EXE



Once the program starts you should see a screen similar to the one below. Click File > New From COBOL Library. Then browse to the location of your modified FD file.



You screen should now be populated with your data fields. In the popup window make sure that both the Input and Output formats are set to “Data File” and click OK. Now select File > Save As and save the file to the \PCS\LAYOUT folder.

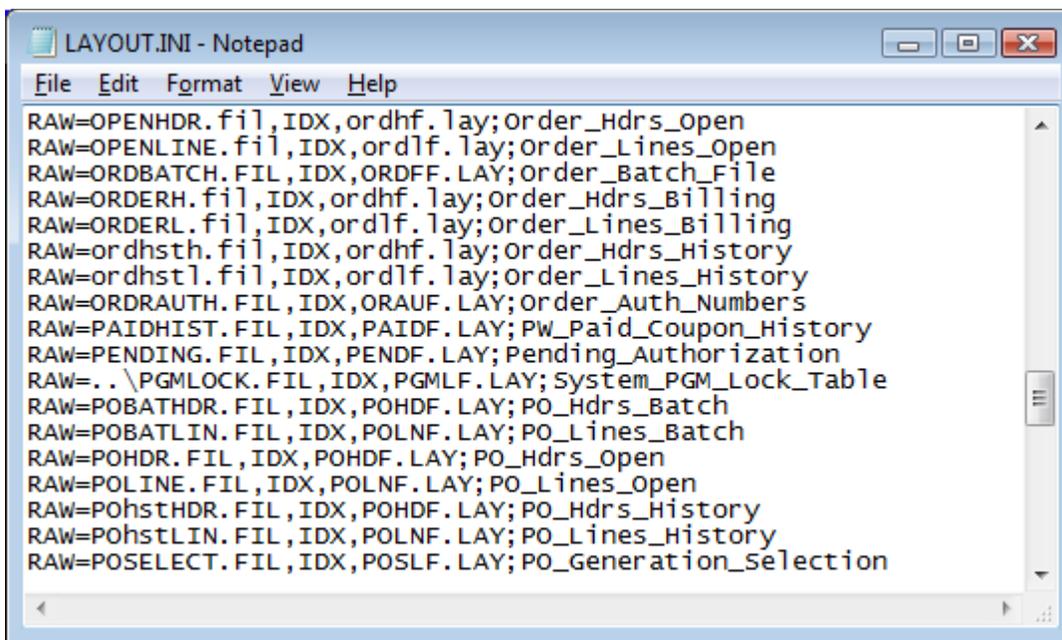


If this layout contains fields you do not wish accessible from Profits Provider they can be removed from the layout file. If the file contains date fields you should change the Attribute field to a J for Julian, D for MMDDYY defined as PIC 9(6) or M or MMDDYY defined as PIC9(6) Comp-3. These changes can be made using Notepad, WordPad or any other text editor you wish to use.

## Layout INI File

Now that you have the .LAY files you need to tell the Profits Provider how to link them to the data files. This is accomplished using the LAYOUT.INI file which should be stored in the \PCSLAYOUT folder along with the .LAY files.

This file will contain one line for each link between an LAY file and a physical DATA file. You can use the same LAY file to reference multiple DATA files. For example, we have our Billing Batch file, Open Orders File and Order History file. All of these files have the same layout but are store in different physical files. So we would use the ORDHF layout file and point it to our ORDERH.FIL, OPENHDR.FIL and ORDHSTHDR.FIL.



```
LAYOUT.INI - Notepad
File Edit Format View Help
RAW=OPENHDR.fil,IDX,ordhf.lay;Order_Hdrs_Open
RAW=OPENLINE.fil,IDX,ordlf.lay;Order_Lines_Open
RAW=ORDBATCH.FIL,IDX,ORDFF.LAY;Order_Batch_File
RAW=ORDERH.fil,IDX,ordhf.lay;order_Hdrs_Billing
RAW=ORDERL.fil,IDX,ordlf.lay;Order_Lines_Billing
RAW=ordhsth.fil,IDX,ordhf.lay;order_Hdrs_History
RAW=ordhstl.fil,IDX,ordlf.lay;Order_Lines_History
RAW=ORDRAUTH.FIL,IDX,ORAUF.LAY;Order_Auth_Numbers
RAW=PAIDHIST.FIL,IDX,PAIDF.LAY;PW_Paid_Coupon_History
RAW=PENDING.FIL,IDX,PENDF.LAY;Pending_Authorization
RAW=.\PGMLOCK.FIL,IDX,PGMLF.LAY;System_PGM_Lock_Table
RAW=POBATHDR.FIL,IDX,POHDF.LAY;PO_Hdrs_Batch
RAW=POBATLIN.FIL,IDX,POLNF.LAY;PO_Lines_Batch
RAW=POHDR.FIL,IDX,POHDF.LAY;PO_Hdrs_Open
RAW=POLINE.FIL,IDX,POLNF.LAY;PO_Lines_Open
RAW=POhstHDR.FIL,IDX,POHDF.LAY;PO_Hdrs_History
RAW=POhstLIN.FIL,IDX,POLNF.LAY;PO_Lines_History
RAW=POSELECT.FIL,IDX,POSLF.LAY;PO_Generation_Selection
```

The format of the file, as you can see in the above screen shot is as follows:

RAW=physical filename,IDX,layout name;name displayed to user