



SMART FINANCIAL REPORT

[2012] Developed for ADempiere by



[2015] Migrated to iDempiere v2.1 by
Freddy Heredia

[2019] Migrated to iDempiere v6.2+ by
Peter Shepetko



[2019] Sponsor
StabilisOne LTD



[2020] Migrated to iDempiere v7.1+ by
Peter Shepetko



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1 Background

Smart Financial Report plugin developed by Smart JSP company for ADempiere 3.6 [2012] and migrated by Freddy Heredia to iDempiere 2.1 [2015].

We migrated it to version iDempiere 4.1+ because need this functionality for Polish Accounting.

2 Setup

2.1 Download and Install plugin

You can download the Smart Financial Report plugin for immediate use in your latest iDempiere from <https://github.com/pshepetko/org.idempiere.sfinreport/raw/master/downloads>

In Apache Felix Web Console: 1) Install plugin 2) Select file 3) Install and Update

Apache Felix Web Console Bundles

OSGi Web Console Log out

Bundle information: 338 bundles in total, 62 bundles active, 20 active fragments, 214 bundles resolved, 1 bundles installed

Apply Filter Filter All Reload Install/Update... Refresh Packages

Id	Name	Version	Category	Status	Actions
0	OSGi System Bundle (org.eclipse.osgi)				
94	activemq-core (org.apache.activemq.activemq-core)				
241	alpn-api (org.eclipse.jetty.alpn.api)				
189	Ant Build Tool Core (org.eclipse.ant.core)				
92	ANTLR 4 Runtime (org.antlr.runtime)				
93	Aopalliance Plug-in (org.aopalliance)				
96	Apache Ant (org.apache.ant)				
156	Apache Apache HttpClient OSGi bundle (org.apache.httpcomponents.httpclient)				
97	Apache Aries SPI Fly Dynamic Weaving Bundle (org.apache.aries.spifly.dynamic.bundle)	1.2.0		Active	
98	Apache Aries Util (org.apache.aries.util)	1.1.3		Resolved	

Upload / Install Bundles

Start Bundle ☒ Refresh Packages ☒ Start Level 1

2 Выберите файл файл не выбран

org.idempiere.sfinreport_6.2.0.201908142000.jar

3 Install or Update

As result must be Status=Active

Apache Felix Web Console Bundles



OSGi Web Console Log out

Bundle information: 339 bundles in total, 65 bundles active, 20 active fragments, 214 bundles resolved, 1 bundles installed

fin Apply Filter Filter All Reload Install/Update... Refresh Packages

Id	Name	Version	Category	Status	Actions
338	Smart FinReport (org.idempiere.sfinreport)	6.2.0.201908142000		Active	

Apply Filter Filter All Reload Install/Update... Refresh Packages

Bundle information: 339 bundles in total, 65 bundles active, 20 active fragments, 214 bundles resolved, 1 bundles installed

After that you can use this functionality.



3 Smart Financial Report functionality

3.1 Overview

This functionality are for a better visualization and report format of the Financial Reports in iDempiere.

3.2 Financial Report Header

- **Name of the Report:** *Take the entered in the field name of the financial report - option*
- **Report Period:** Financial Report period

Two fields created

- **Prefix Text for period:** Corresponds to the text that is required before the Period, example: To ..., Since ..., Period included between ...
- **Suffix Text for period:** Corresponds to the text that is required to complete the Period, example: as of Dec. 31, 2011

The screenshot displays the 'Financial Report' configuration window in the iDempiere application. The window has a title bar with 'iDempiere' and a search icon. Below the title bar is a navigation bar with 'Home' and 'Financial Report: Balance S...' tabs. The main content area is titled 'Financial Report' and contains several sections for configuration. The 'Data requested' section includes fields for 'Client' (GardenWorld), 'Organization' (HQ), 'Accounting Schema' (GardenWorld US/A/US Dollar), and 'Calendar' (GardenWorld Calendar). The 'Name' field is set to 'Balance Sheet Current Month'. The 'Description' field is empty. There is a checkbox for 'Active' which is checked. The 'Report Line Set' is set to 'Balance Sheet'. The 'Report Column Set' is set to 'Actual Current Month'. The 'Report Cube' and 'Jasper Process' fields are empty. There are checkboxes for 'List Sources' (checked), 'List Transactions' (checked), and 'Include source accounts with no transaction' (unchecked). At the bottom, there are fields for 'Prefix Text for Period' (Prefix-) and 'Suffix Text for Period' (-Suffix). Below these fields is an 'Action' section with a 'Create Report' button and a 'Print Format' button labeled 'Balance Sheet Current Month'.



Head of report example:

- Company Name
- City
- Identification Number
- Chart of Accounting Scheme:
- Currency

The screenshot shows the iDempiere web application interface. The browser window has multiple tabs, with the active one titled 'Report: Balance Sheet Current Month'. The report content is displayed in a central white area with a dark grey border. The report title is 'BALANCE SHEET CURRENT MONTH' followed by 'PREFIX- NOV-18 -SUFFIX' and 'US Dollar'. Below the title is a table with 8 columns: NAME, DESCRIPTION, BEGIN TOTAL BALANCE, BEGIN YEAR BALANCE, PERIOD ACTIVITY, PERIOD QUANTITY, END YEAR BALANCE, and END TOTAL BALANCE. The table contains data for 'Assets', 'Cash', 'Checking Account', 'Checking In-Transfer', and 'Checking Unallocated Receipts'.

NAME	DESCRIPTION	BEGIN TOTAL BALANCE	BEGIN YEAR BALANCE	PERIOD ACTIVITY	PERIOD QUANTITY	END YEAR BALANCE	END TOTAL BALANCE
1	Assets						
11	Cash	148,35					148,35
11100	Checking Account	148,00					148,00
11110	Checking In-Transfer	50,00					50,00
11130	Checking Unallocated Receipts	-50,00					-50,00



3.3 New Line Type: Custom Line

Customized Line: By checking this option the system displays the report line combo in which it is you can select:

Line Type* Customized Line
Report Line*
Fixed Percentage*
Blank Line
Centered Title
Double Line for Total
Line
Total Line
Underlined Descriptions

- **Blank Line:** Leave a full blank line used as a spacer
- **Centered Title:** This will appear after column headings in Bold Centered
- **Double line for Total:** Generates double line below the amount of total that is in the column
- **Line:** generates line in the whole line, that is, all the columns
- **Total Line:** Line below the total amount that is in the column
- **Underlined Description:** Add an underline to the description column

3.4 New Line Type: Tabular Text

Tabulated text: To indicate spaces to leave a title from left to right, you should take into account no leave the width of the sheet

This applies to securities, but no type of calculation or segment value can be performed on it. It's a tab

Home Financial Report: Balance S... *Report Line Set: Balance S...
Report Line Set > Report Line
Inserted
Client* GardenWorld Organization* HQ
Report Line Set* Balance Sheet
Name* tt
Description Tabulated text
Active Printed
Sequence* 262
Line Type* Tabbed Text
smj_HierarchyLevel 9



3.5 Advanced calculation

Added **Divide** (Op1/Op2), **Multiple** (Op1*Op2) and **Fixed Percentage/Number** calculation.

3.5.1 Fixed Percentage for Operand1

- field Calculation = Percentage (Op1 of Op2)
- field Operand1 > 0
- field Operand2 is empty
- field Fixed Percentage/Number > 0

Home Financial Report: Balance S... Report Line Set: Income Sta... 41/41

Report Line Set > Report Line

Record saved

Client: GardenWorld Organization: HQ

Report Line Set: Income Statement

Name: demo1

Description: Percentage (Op1 of Op2)

☒ Active ☒ Printed

Sequence: 478

Line Type: Calculation

Calculation: Percentage (Op1 of Op2)

Operand 1: 4

Operand 2:

Fixed Percentage/Number: 5.0

3.5.2 Divide Operand1 and Operand2

- field Calculation = Divide (Op1 of Op2)
- field Operand1 > 0
- field Operand2 > 0
- field Fixed Percentage/Number = 0

Home Financial Report: Balance S... Report Line Set: Income Sta... 40/40

Report Line Set > Report Line

Record saved

Client: GardenWorld Organization: HQ

Report Line Set: Income Statement

Name: demo2

Description: Divide (Op1/Op2)

☒ Active ☒ Printed

Sequence: 467

Line Type: Calculation

Calculation: Divide (Op1/Op2)

Operand 1: 4

Operand 2: 5

Fixed Percentage/Number: 0.0



3.5.3 Divide Operand 1 and Fixed Number

- field Calculation = Divide (Op1 of Op2)
- field Operand1 > 0
- field Operand2 is empty
- field Fixed Percentage/Number >0

Home Financial Report: Balance S... Report Line Set: Income Sta... 43/43

Report Line Set > Report Line

Record saved

Client: GardenWorld Organization: HQ

Report Line Set: Income Statement

Name: demo3

Description: Divide (Op1/Op2)

☒ Active ☒ Printed

Sequence: 498

Line Type: Calculation

Calculation: Divide (Op1/Op2)

Operand 1: 4 Operand 2:

Fixed Percentage/Number: 0.8

3.5.4 Multiple Operand1 and Operand2

- field Calculation = Multiple (Op1 of Op2)
- field Operand1 > 0
- field Operand2 > 0
- field Fixed Percentage/Number = 0

Home Financial Report: Balance S... Report Line Set: Income Sta... 44/44

Report Line Set > Report Line

Record saved

Client: GardenWorld Organization: HQ

Report Line Set: Income Statement

Name: demo4

Description: Multiple (Op1*Op2)

☒ Active ☒ Printed

Sequence: 508

Line Type: Calculation

Calculation: Multiple (Op1*Op2)

Operand 1: 4 Operand 2: 5

Fixed Percentage/Number: 0.0



3.5.5 Multiple Operand 1 and Fixed Number

- field Calculation = Multiple (Op1 of Op2)
- field Operand1 > 0
- field Operand2 is empty
- field Fixed Percentage/Number >0

Home Financial Report: Balance S... Report Line Set: Income Sta... 45/45

Report Line Set > Report Line

Record saved

Client: GardenWorld Organization: HQ

Report Line Set: Income Statement

Name: demo5

Description: Multiple (Op1*Op2)

☒ Active ☒ Printed

Sequence: 518

Line Type: Calculation

Calculation: Multiple (Op1*Op2)

Operand 1: 4 Operand 2:

Fixed Percentage/Number: 0.8

3.5.6 Calculation result

Yr	Yr	Description	Begin Total Balance	Begin Year Balance	Begin Year Balance of 2	Period Activity	Period Quantity	End Year Balance	End Total Balance
4		Sales	304.50						304.50
49		Sales Discounts	10.00						10.00
5		Cost of Goods Sold	799.29						799.29
55		Interest							
56		Inventory Costs							
58		Costs Variance							
5		Other Margin	19,356.00						19,356.00
5_1		Formula 1: [5 - Other Margin*0.8]	24,195.10	0.00	0.00	0.00	0.00	0.00	24,195.10
5_2		Formula 2: [5 - Other Margin*0.8] * (4 Sales)	7,367,407.95						7,367,407.95
59		Cost Discounts	1.79						1.79
60		Payroll Expenses							
61		Occupancy Cost							
77		Repairs & Maintenance							
78		Other Operating Expenses	0.28						0.28
79		Indirect Operating Expenses	10.25						10.25
79_		Total Operating Expenses	19,356.00						19,356.00
79__		Operating Income	19,356.00						19,356.00
80		Other Income							
805		Currency Gain							
82		Other Expenses	0.25						0.25
825		Currency Loss							
82_		Net Income before Tax	19,356.00						19,356.00
89		Income Tax & Summary							
89_		Net Income							
demo1		Percentage (Fixed Percentage=5% from Op1)	15,225	0.00	0.00	0.00	0.00	0.00	15,225
demo2		Formula (Op1/Op2)	0.380963104755						0.380963104755
demo3		Formula (Op1/Fixed Number=0.8)	380.63	0.00	0.00	0.00	0.00	0.00	380.63
demo4		Multiple (Op1*Op2)	243,383.805						243,383.805
demo5		Multiple (Op1*Fixed Number=0.8)	304.50	0.00	0.00	0.00	0.00	0.00	304.50



3.6 Export the financial report to Excel

The presentation of the financial statements was improved by exporting them to Excel in such a way that they are a copy.

	A	B	C	D	E	F	G	H
1			Balance Sheet Current Month					
2								
3								
4								
5								
6			Aug-19					
7			US Dollar					
8	<u>NAME</u>	<u>DESCRIPTION</u>	<u>BEGIN TOTAL</u>	<u>BEGIN YEAR</u>	<u>PERIOD</u>	<u>PERIOD</u>	<u>END YEAR</u>	<u>END TOTAL</u>
9	1	Assets						
10	11	Cash	148,35					148,35
11	12	Accounts Receivable	408,12					408,12
12	13	Investments						
13	14	Inventory	8 311,50					8 311,50
14	15	Prepaid Expenses, Deposits & Other Current Assets						
15	15	Total Current Assets	8 867,97	0,00	0,00	0,00	0,00	8 867,97
16	16	Land and Building						
17	17	Furniture, Fixtures & Equipment						
18	18	Accumulated Depreciation						
19	19	Other Assets						
20	19	Fixed and other Assets	0,00	0,00	0,00	0,00	0,00	0,00
21	1	Total Assets	8 867,97	0,00	0,00	0,00	0,00	8 867,97
22	2	Liabilities						
23	21	Accounts Payable	9 373,54					9 373,54
24	22	Accrued Expenses						
25	23	Current Note Payables						
26	24	Long Term Liabilities						
27	2	Total Liabilities	9 373,54	0,00	0,00	0,00	0,00	9 373,54
28	3	Owner's Equity/Net Worth						
29	31	Capital						
30	32	Current Profit & Loss						
31	33	Total Liabilities and Equity	9 373,54	0,00	0,00	0,00	0,00	9 373,54
32								

Exactly the file initially generated in pdf.



4 Project Protocol

4.1.1 Project Version

Smart Financial Report v6.2

4.1.2 Source Repository

<https://bitbucket.org/pshepetko/org.idempiere.sfinreport/src/default/>

4.1.3 Tickets

<https://bitbucket.org/pshepetko/org.idempiere.sfinreport/issues>

4.1.4 Project Forum for Support

<https://groups.google.com/forum/#!forum/idempiere>

4.1.5 Contact

pshepetko@gmail.com