



## **PaXcel for Palladium Accounting**

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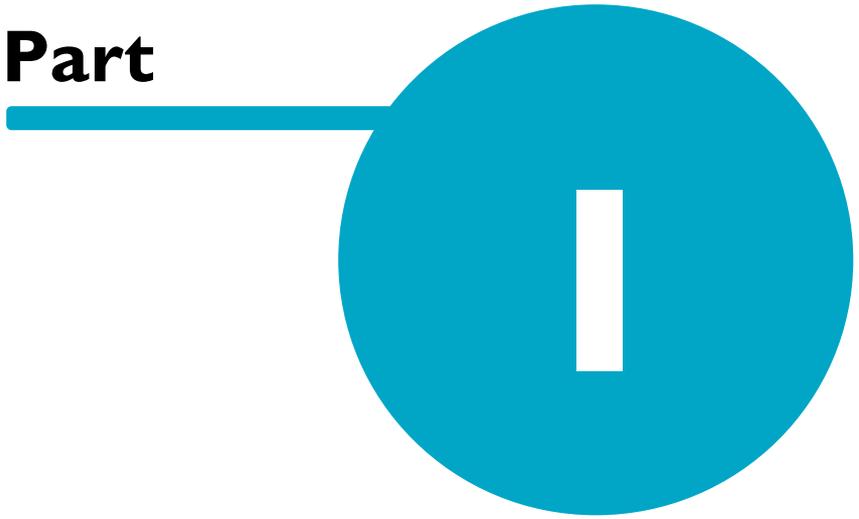
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**Part**



## I What is PaXcel

PaXcel for Palladium is an Excel add-in that extends the functionality of Excel to allow for the retrieval of balances from the Palladium Accounting system. The link is a live link and not an export, so when you change a period indicator or account or press the Recalculate button the functions will fetch the latest balances direct from your Palladium companies.

Use the included formulas to create financial statements, balance sheets, budgeting reporting or any type of report that uses General Ledger balances.

PaXcel for Palladium can be integrated with standard excel formulas and functionality to create financial reports in the layout and format that you require.

Multiple companies can be referenced allowing for easy consolidation across multiple companies and worksheets.

Companies in different currencies and the organisation needs to create consolidated reports, no problems convert balances using an exchange rate to get to the reporting currency, combine the results in to your consolidated report.

View account details and drill down from the balance to view transactions for the selected cell, all from within Excel.

### I.1 Requirements

PaXcel for Palladium is an office COM add-in and requires excel 2007 or higher. Once the install has been completed a new Office Ribbon will be added that gives the user access to some extra functions including drill down, account retrieval and server setup

Palladium does not have to be installed on the machine that is using the Excel add-in, but the Microsoft SQL Server client must be installed to allow for connection to the required Palladium SQL Server.

An active server must be defined using the [\[Available SQL Servers\]](#) before the formulas will function correctly, if they don't know where the company data is, makes it difficult to get the balances.

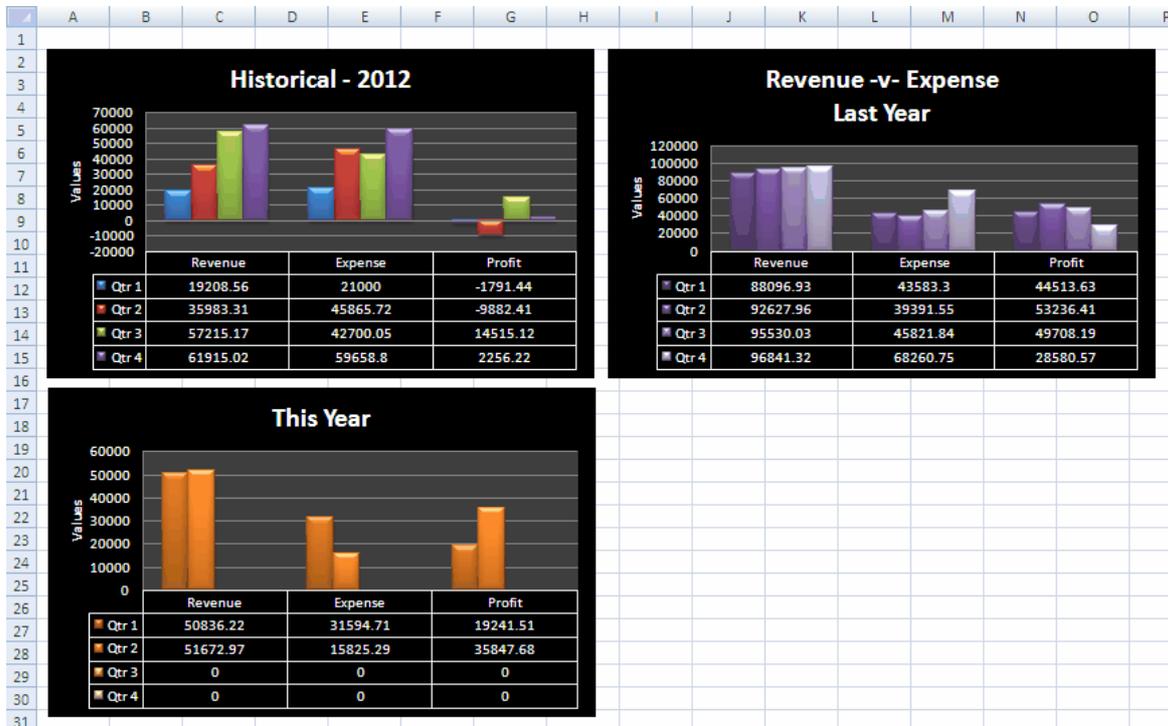
### I.2 Examples

PaXcel for Palladium install includes basic examples including Trial Balances, Balance sheets, P&L and examples of creating Excel graphs.

The supplied examples and they are only examples, can be used as a basis for your report, or let your

imagination run riot. The examples can be found in the PDI Spirit\palPaXcel folder.

Remember the Excel worksheets are your canvas, you have complete control on how simple, intermediate and advance you make the reports.



### 1.2.1 Trial Balances, Last Year, Historical

Trial Balance reports can be created with PaXcel functions and standard Excel functionality. Create them in the format your organisation requires.

## 6 PaXcel for Palladium Accounting

	A	B	C	F	G	H
1	PaXcel Sample Company					
2						
3	<b>ASSETS</b>			<b>Debits</b>	<b>Credits</b>	
8	10600000	Chequing Bank Account		82,902.73	-	
15	10950000	Customer Control Account		188,868.56	-	
22	15200000	Inventory A		-	4,397.25	
23	15300000	Inventory B		12,500.00	-	
24	15400000	Inventory C		8,541.00	-	
26	18200000	Office Furniture & Equipment		9,700.00	-	
27	18250000	Accum. Deprec. - Furn & Equip.		-	4,849.56	
36	<b>LIABILITIES</b>					
39	21200000	Bank Loan - Current Portion		-	43,440.00	
52	<b>EQUITY</b>					
53	30100000	Owners Contribution		-	15,000.00	
54	30150000	Owners Withdrawals		1,500.00	-	
59	33500000	Common Shares		-	100.00	
61	35600000	Retained Earnings - Previous Year		-	181,136.29	
63	<b>REVENUE</b>					
64	40200000	Sales Inventory A		-	84,474.76	
65	40300000	Sales Inventory B		-	11,500.00	
67	42000000	Sales		-	2,087.85	
70	44200000	Freight Revenue		-	4,446.58	
73	<b>EXPENSE</b>					
74	50200000	Inventory A Cost		8,500.00	-	
85	54100000	Wages & Salaries		5,500.00	-	
87	56100000	Accounting & Legal		5,000.00	-	
94	56600000	Depreciation Expense		269.42	-	
96	56850000	Insurance		7,080.00	-	
98	57000000	Office Supplies		4,700.50	-	
102	57600000	Rent		1,500.00	-	
104	57800000	Telephone		3,175.04	-	
105	57850000	Travel & Entertainment		11,695.04	-	
107						

### I.2.2 Profit and Loss Statements

Using PaXcel functions and standard Excel functions, create Profit and loss statements for a single period or yearly range in the format your organisation requires.

D6		fx		=-paGLBalance(Company,\$A6, PeriodStar	
	A	B	C	D	
1	<b>PaXcel Sample Company</b>				
2	Income Statement 01/01/2014 to 31/12/2014				
3				<b>Period Ending</b>	
4				<b>31/12/2014</b>	
5		<b>Operating Revenue</b>			
6	40200000	Sales Inventory A		84,474.76	
7	40300000	Sales Inventory B		11,500.00	
8	40400000	Sales Inventory C		-	
9	42000000	Sales		2,087.85	
10	42200000	Sales Returns		-	
11	42400000	Sales Discounts		-	
12	44200000	Freight Revenue		4,446.58	
13					
14		<b>Non Operating Revenue</b>			
15	44400000	Interest Revenue		-	
16	44600000	Miscellaneous Revenue		-	
17					
18		<b>Total Revenue</b>		102,509.19	
19					
20		<b>Cost of Goods sold</b>			
21	50200000	Inventory A Cost		8,500.00	
22	50300000	Inventory B Cost		-	
23	50400000	Inventory C Cost		-	

### 1.2.3 Trading Income with comparisons

Trading income reports with comparisons against previous years, all created using PaXcel functions in the layout your organisation requires.

## 8 PaXcel for Palladium Accounting

J8      fx      =paGLBalanceHist(Company,\$A8, HistoryStart, HistoryEnd, HistoryYear )										
	A	B	C	D	E	F	G	H	I	J
1		PaXcel Sample Company								
2		Gross Profit Income Statement 01/01/2014 to 31/12/2014								
3										
4						Period Ending 31/12/2014		Period Ending 31/12/2013		Period Ending 31/12/2012
5		REVENUE								
6										
7		Operating Revenue								
8	40200000			Sales Inventory A		84,474.76		259,191.82		101,410.49
9	40300000			Sales Inventory B		11,500.00		75,687.75		46,120.52
10	40400000			Sales Inventory C		-		-		5,127.77
11	42000000			Sales		2,087.85		9,842.12		4,987.76
12	42200000			Sales Returns		-		-		-
13	42400000			Sales Discounts		-		-		-
14	44200000			Freight Revenue		4,446.58		28,374.55		16,675.52
15										
16		Non Operating Revenue								
17	44400000			Interest Revenue		-		-		-
18	44600000			Miscellaneous Revenue		-		-		-
19										
20		TOTAL REVENUE				102,509.19		373,096.24		174,322.06
21										
22		COST OF SALES								

### 1.2.4 Budgets

Create budget reports with the PaXcel budget formula(s), show actuals and variances with PaXcel functions and standard excel functions.

G8      fx      =paGLBudget(Company,\$A8,\$G\$1)										
	A	B	C	D	E	F	G	H	I	J
1		PaXcel Sample Company								
2		Income Statement 01/01/2014 to 31/12/2014								
3										
4						Period Ending 31/12/2014	Budget Year to Date 1	Variance	Variance (%)	
5										
6		REVENUE								
7		Operating Revenue								
8	40200000			Sales Inventory A		84,474.76	8,500.00	75,974.76	893.82%	
9	40300000			Sales Inventory B		11,500.00	2,916.67	8,583.33	294.29%	
10	40400000			Sales Inventory C		-	333.33	- 333.33	-100.00%	
11	42000000			Sales		2,087.85	458.33	1,629.52	355.53%	
12	42200000			Sales Returns		-	-	-	0.00%	
13	42400000			Sales Discounts		-	-	-	0.00%	
14	44200000			Freight Revenue		4,446.58	1,214.58	3,232.00	266.10%	
15										
16		Non Operating Revenue								
17	44400000			Interest Revenue		-	-	-	0.00%	
18	44600000			Miscellaneous Revenue		-	-	-	0.00%	
19										
20		Total Revenue				102,509.19	13,422.91	89,086.28	663.69%	
21										
22		Cost of Sales								
23		Cost of Goods sold								
24	50200000			Inventory A Cost		8,500.00	-	8,500.00	0.00%	

## I.2.5 Balance Sheets

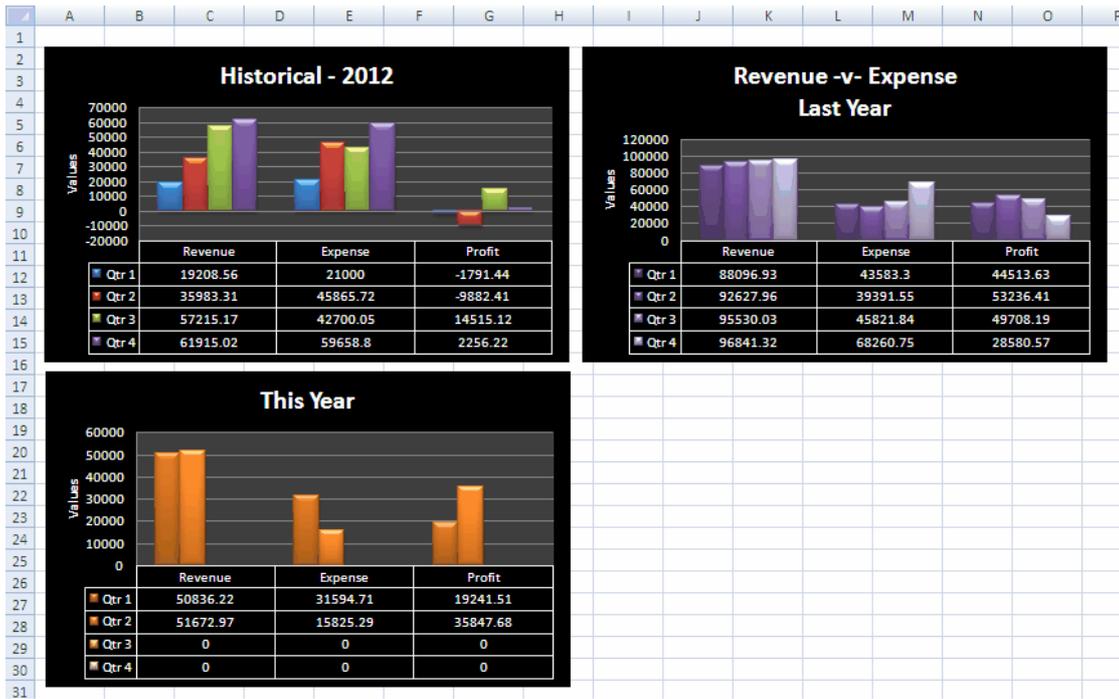
Using PaXcel functions and Excel standard functions you can create company balance sheets in what ever format your organisation requires.

	A	D	E	F	I	J
1		<b>PaXcel Sample Company</b>				
2		Balance sheet As at: 31-12-2014				
3						
4		<b>ASSETS</b>				
5		<b>Cash</b>				
6			Cash to be deposited		-	
7			Cash Draws		-	
8			Petty Cash		-	-
9						
10		<b>Bank</b>				
11			Saving Bank Account		-	
12			Chequing Bank Account		82,902.73	
13			Payroll Bank Account		-	
14			Foreign Currency Bank		-	
15			Visa		-	
16			MasterCard		-	
17			American Express		-	
18			Other Credit Cards		-	82,902.73
19						
20		<b>Accounts Receivable</b>				
21			Customer Control Account		188,868.56	
22			Accounts Receivable		-	188,868.56
23						
24		<b>Inventory</b>				
25			Inventory A		-	4,397.25
26			Inventory B			12,500.00

## I.2.6 Graphs

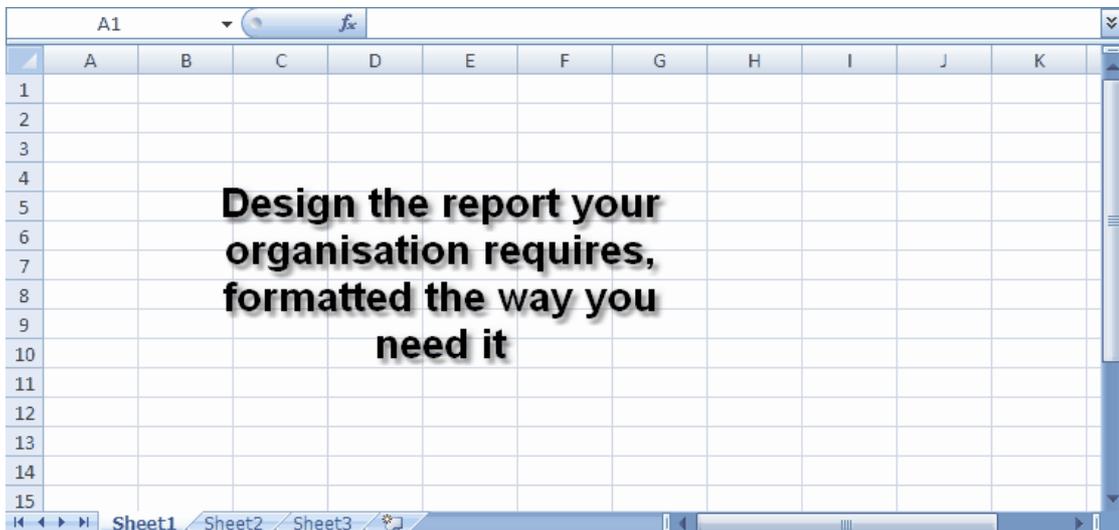
Use Excels Graph functionality and PaXcel functions to create graphs to highlight required GL Data. The sample within the PaXcel example spreadsheet references account type balances to produce current, last year and historical graphs.

Create the graphs and Excel functionality they way you want them to appear.



### 1.2.7 Your Spread sheet

Use your Excel Skills, formatting and PaXcel for Palladium formulas, to create the required reports for your organisation, all dynamically linked to your Palladium Enterprise/Business or Individual accounts.

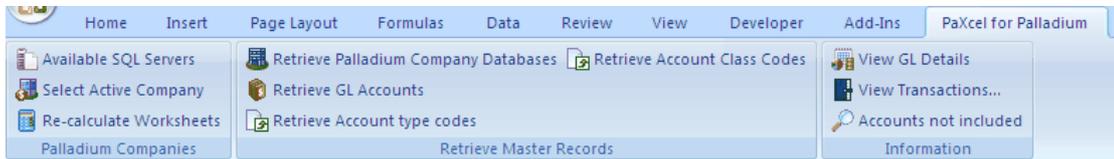


### 1.3 Install

The installation of Palladium for PaXcel is a self contained installation application, that contains all the required files.

The install file is named `setuppalexcel $nnnn$ .exe` where  $nnnn$  is the version number of the PaXcel for Palladium that you have downloaded or been supplied.

Once the installation has been run and no errors are reported, Excel 2007 or Excel 2010 can be started to view the PaXcel for Palladium ribbon.



If this ribbon is not viewed then there are a few possible reasons, the PaXcel COM object did not register correctly. The com object can be run using the following command line (from a command window started with administrator privileges)

```
Regsvr32 "c:\pdi spirit\palpaxcel\palpaxcel.dll"
```

**NB:** if the default installation location was not used, then the above location will need to be altered to include the installed location of the palPaxcel.dll

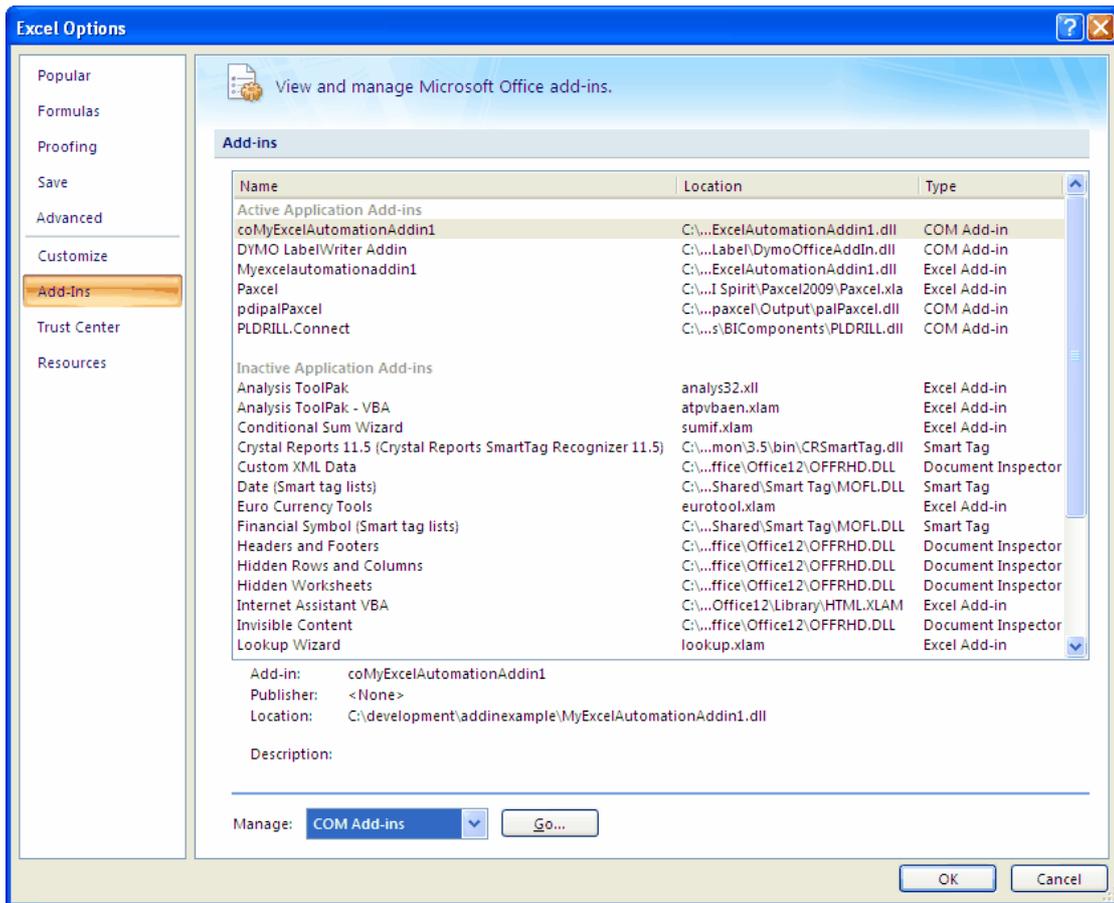
Excel decided not to start the application automatically if Palladium for PaXcel has been registered correctly then Excel may have disabled or not started the COM object.

**Excel 2010 - Select Options** **Excel 2007 - select the Excel options from the office button**



this is a cut down view

From the Excel options screen select the **Add-Ins** option and check to see if the `pdipalPaXcel` application is listed in the **Active Application Add-ins** or **Inactive Application Add-ins**

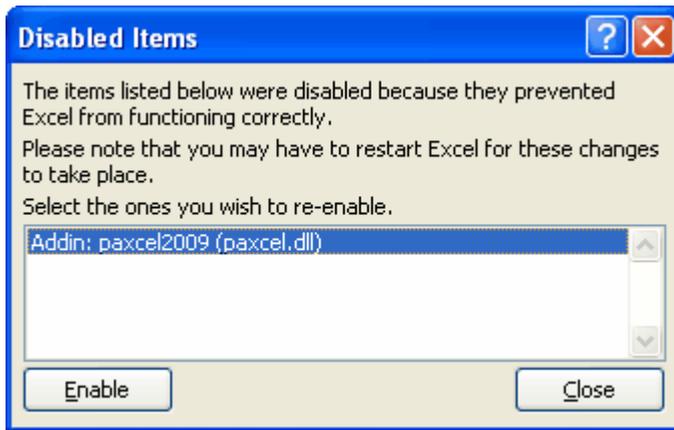


Select the **COM Add-ins** from the manage option and press **Go...** this will display the COM Add-ins screen



A tick should be added to the **pdipalPaxcel** box and then press **OK**, the PaXcel for Palladium should be displayed.

If the ribbon still does not show, select the **Disabled Items** from the Excel Options>Add-ins screen and make sure that the **pdipalPaxcel** is not listed, if it is remove it, by selecting the add-in and pressing the **Enable** button.



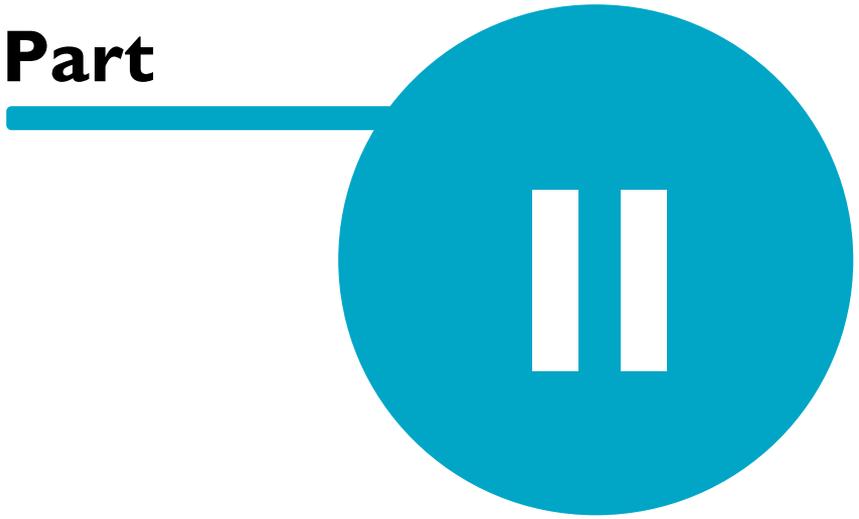
If you can see the Ribbon, by PaXcel for Palladium is still showing as an inactive Application Add-in then un-register and re-register the palPaxcel.dll, within a command window run the following (if running Vista, Windows 7, or Windows Server 2003 or higher, you will need to run the command window as the Administrator)

```
Regsvr32 "c:\pdi spirit\palpaxcel\palpaxcel.dll" -u
```

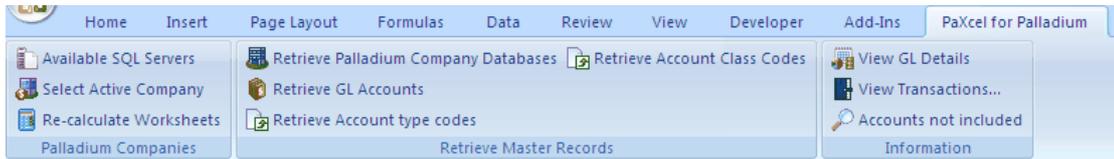
```
Regsvr32 "c:\pdi spirit\palpaxcel\palpaxcel.dll"
```

If it still isn't showing, then either you are running an Excel version prior to 2007 and the introduction of ribbons or Excel is being really difficult. Check the version of Excel and if the correct version then uninstall and re-install the PaXcel for Palladium COM object.

**Part**



## 2 Ribbon Functions



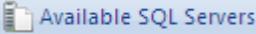
The PaXcel for Palladium ribbon gives access to extra functionality outside of the formulas within the add-in, including the ability to set up Available SQL Servers, retrieve GL account, account type and account class codes.

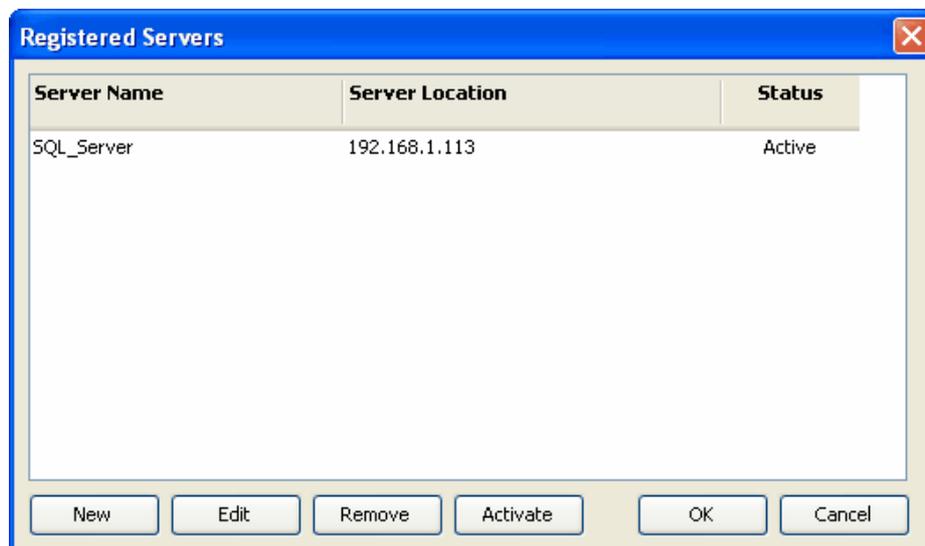
The ribbon also gives the drill down ability allowing the user to view GL account information and transactions that make up the selected balance (for certain PaXcel functions)

### 2.1 Palladium Companies

#### 2.1.1 Available SQL Servers

This screen is similar to the Palladium SQL Server set-up (but the information is unique to PaXcel and is not using or sharing the Palladium set up options). Even if you have defined an active SQL Server for use with Palladium you must still set up an active SQL server for PaXcel to use.

By pressing the  Available SQL Servers function a screen similar to the following will be displayed. This lists the SQL server information that has already been defined within PaXcel and the currently active server



Use the screen to maintain the registered SQL servers and activate the server that is required to be used.

This screen is also used to [Activate] the server that is to be used, for connection to the SQL database. You must have a SQL Server set as active, otherwise the application will not know where to connect to retrieve the Palladium balances.

When editing or creating a new SQL server entry a screen similar to the following will be displayed. This screen allows the user to enter a name for the connection, indicate whether this is a local connection or the user is connecting to a remote server.

A valid SQL server user name and password must also be supplied to allow PaXcel to make a connection to the requested company database. The user name and password must be valid across all companies that you wish to access within PaXcel.

Once you have entered the required information and entered a password the [OK] button will become enabled and allow the information to be saved.



If this information is not set up correctly, then you will receive errors and not be able to use PaXcel for Palladium correctly.

**Remote (Network / VPN ) or User Defined Instance**

If the connection is to a remote server and connection to the Default instance is required, then enter the <machineName> or <IP Address>

If a connection to a specific instance then use the following format

<MachineName>\<SQL Instance>

for example: MyComputer\SQLExpress

If a connection to an instance on a local SQL server then the following format should be used . \SQLExpress

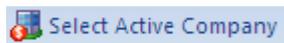
for example: .\SQLExpress

NB: When connecting to a remote SQL server you must enter that the TCP/IP port 1433 is open (if the default port is being used, or the port number assigned). The UDP Port Nr 1434 should also be opened, this is used by SQL to monitor SQL databases.

The SQL instance must also be set to allow remote connections, see the MS-SQL documentation.

These are just a few common suggestions, but more changes may be required depending on the clients SQL-Server set up.

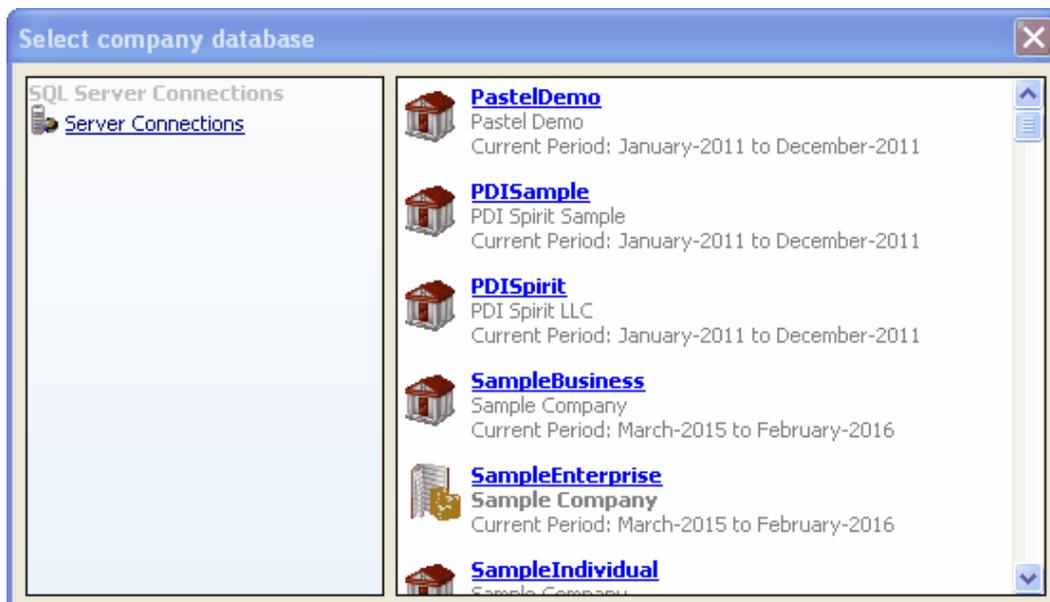
## 2.1.2 Select Active Company



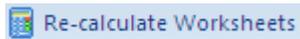
This function gives the user access to the list of available Palladium companies and allows the user to select the currently active company (this will be returned by the [paActiveCompany](#) formula).

When the button is pressed a screen similar to the follow is displayed, listing all the Palladium companies installed on the MS SQL server that is flagged as the active server.

The [server connections](#) screen can also be reached from the select company database. To select the company to return as the active company, click on the underlined company name, the screen will be closed and the active company will be updated when the spreadsheet is re-calculated or the formula edited.



### 2.1.3 Recalculate Worksheet



This simply calls the Excel calculate all function, that forces the spreadsheet to be recalculated.

## 2.2 Retrieve Master Records

### 2.2.1 Retrieve Palladium Company Databases



This function will populate the spreadsheet from the currently active cell (so be careful not to overwrite anything) with a list of Palladium company databases within the currently active MS SQL server.

	A	B	C	D
1	Database Name	Company Name	Year Start	Year End
2	paldbPastelDemo	Pastel Demo	Jan-11	Dec-11
3	paldbPDISample	PDI Spirit Sample	Jan-11	Dec-11
4	paldbPDISpirit	PDI Spirit LLC	Jan-11	Dec-11
5	paldbSampleBusiness	Sample Company	Mar-15	Feb-16
6	paldbSampleEnterprise	Sample Company	Mar-15	Feb-16
7	paldbSampleIndividual	Sample Company	Mar-15	Feb-16

The returned list gives you the name of the MS SQL database, the company name and current fiscal year. The database name can be used within the PaXcel formulas

### 2.2.2 Retrieve GL Accounts



This function will retrieve GL Accounts from the selected Palladium company database, when pressed a screen similar to the following will be displayed.

Retrieve GL Codes

Select Palladium Company to retrieve from: palddbSampleEnterprise

Internal Account Nr. Range: 00000000 to 99999999

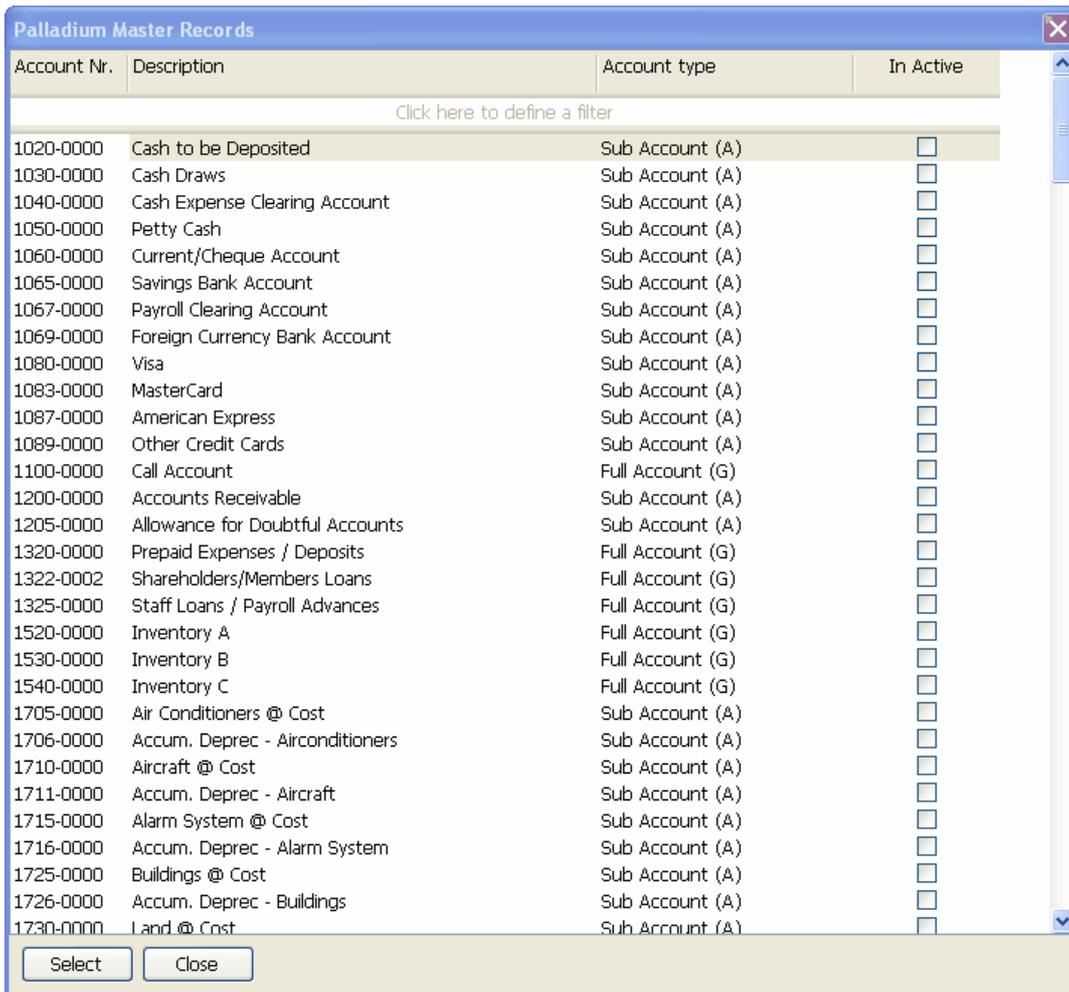
Account Types: Assets to Expense

Account Class: Asset to Loss

Retrieve codes Close

**Select Palladium Company to retrieve from:** Select the company that the GL accounts will be retrieved from. The list will display MS SQL databases related to Palladium from the currently active SQL server.

**Account Account Nr. Range:** Select the GL Account number range required, a number range can be entered manually or display a list of GL accounts for the selected company using the finder icon . When pressed a simple GL finder screen will be displayed showing the account group type, account nr (formatted) and the description. The records can be filtered by typing in the area below the column name that the search is to be run against.

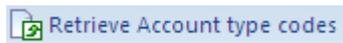


To filter the returned accounts, the selected Account Types and Account Class can also be selected to limit the accounts to say just the Revenue accounts or Expenses Accounts.

When the **Retrieve Codes** button is pressed the spreadsheet will be populated (starting with the active cell). The process will return the Account nr, description of the account, a formatted account and also the current master file balances and account types, similar to the following image.

	A	B	C	D	E	F	G	H	I	J	K
1	Account No	Details	Formatted Acco	Opening Balance	Balance	Last Year Oper	Last Year Clos	Group Co	Class	Account Type	
2	10200000	Cash to be Deposited	1020-0000	0	-15241.75	0	0	0	Sub Accou	Asset Cas	Assets
3	10300000	Cash Draws	1030-0000	0	0	0	0	0	Sub Accou	Asset Cas	Assets
4	10400000	Cash Expense Clearing Account	1040-0000	0	0	0	0	0	Sub Accou	Asset Cas	Assets
5	10500000	Petty Cash	1050-0000	0	122	0	0	0	Sub Accou	Asset Cas	Assets
6	10600000	Current/Cheque Account	1060-0000	0	63208.08	0	0	0	Sub Accou	Bank	Assets
7	10650000	Savings Bank Account	1065-0000	0	0	0	0	0	Sub Accou	Bank	Assets
8	10670000	Payroll Clearing Account	1067-0000	0	-999.5	0	0	0	Sub Accou	Asset Cas	Assets
9	10690000	Foreign Currency Bank Account	1069-0000	0	0	0	0	0	Sub Accou	Asset Cas	Assets
10	10800000	Visa	1080-0000	0	0	0	0	0	Sub Accou	Bank	Assets
11	10830000	MasterCard	1083-0000	0	0	0	0	0	Sub Accou	Bank	Assets
12	10870000	American Express	1087-0000	0	0	0	0	0	Sub Accou	Bank	Assets
13	10890000	Other Credit Cards	1089-0000	0	0	0	0	0	Sub Accou	Bank	Assets
14	11000000	Call Account	1100-0000	0	0	0	0	0	Full Accou	Investme	Assets
15	12000000	Accounts Receivable	1200-0000	0	-50947.12	0	0	0	Sub Accou	Accounts	Assets
16	12050000	Allowance for Doubtful Accounts	1205-0000	0	0	0	0	0	Sub Accou	Allowanci	Assets
17	13200000	Prepaid Expenses / Deposits	1320-0000	0	0	0	0	0	Full Accou	Other Ass	Assets

### 2.2.3 Retrieve Account Types



This function will retrieve the account type codes and descriptions that are used within Palladium and some of the PaXcel functions. This can be used for referencing the correct account type when retrieving balances for the Account Type.

When the button is pressed the information will be returned to the spreadsheet from the currently active cell.

	A	B	
1	Account Type	Description	
2		1 Assets	
3		2 Liability	
4		3 Equity	
5		4 Revenue	
6		5 Expense	

### 2.2.4 Retrieve Account Class Codes



This function will retrieve the account class codes and matched descriptions from the active Palladium company database account class codes.

Account class codes are used in some of the PaXcel functions and a number is required to work with these. This function can assist in locating the required account class code.

When the button is pressed a list similar to the following, this will be populated from the currently active cell.

	A	B
1	Account Class	Description
2		0 Asset
3		1 Asset Cash
4		2 Bank
5		3 Accounts Receivable
6		4 Allowance for Bad Debts
7		5 Inventory
8		6 Investments
9		7 Fixed Asset
10		8 Accum amort and Depreciation
11		9 Other Asset
12		10 Liability
13		11 Liability Cash

### 2.2.5 Retrieve Period Dates

 Retrieve Period Dates

This function will retrieve period dates for the currently active company. The dates return include the fiscal year start and end, as well as the monthly period date ranges for the periods between the year start and end.

It will also define the name range each period making it easier for the user to set up spreadsheets referencing the period names.

Last year date range is also included

	A	B	C	D	E
1	Year Start	01/01/2012	01/01/2011		
2	Year End	31/12/2012	31/12/2011		
3	Period 1	01/01/2012	31/01/2012	01/01/2011	31/01/2011
4	Period 2	01/02/2012	29/02/2012	01/02/2011	28/02/2011
5	Period 3	01/03/2012	31/03/2012	01/03/2011	31/03/2011
6	Period 4	01/04/2012	30/04/2012	01/04/2011	30/04/2011
7	Period 5	01/05/2012	31/05/2012	01/05/2011	31/05/2011
8	Period 6	01/06/2012	30/06/2012	01/06/2011	30/06/2011
9	Period 7	01/07/2012	31/07/2012	01/07/2011	31/07/2011
10	Period 8	01/08/2012	31/08/2012	01/08/2011	31/08/2011
11	Period 9	01/09/2012	30/09/2012	01/09/2011	30/09/2011
12	Period 10	01/10/2012	31/10/2012	01/10/2011	31/10/2011
13	Period 11	01/11/2012	30/11/2012	01/11/2011	30/11/2011
14	Period 12	01/12/2012	31/12/2012	01/12/2011	31/12/2011

## 2.3 Information

### 2.3.1 View GL Codes



This function can be used by selecting a PaXcel function and the pressing the button to display a screen similar to following.

The accounts that relate to the selected function are displayed within the grid on the left hand side, and when navigated the basic information from the Account details screen will be displayed.

The information is read-only and so the information can only be viewed and not edited.

This function is only available for certain PaXcel balances that reference GL account codes.

### 2.3.2 View Transactions



This function will retrieve transactions for a valid PaXcel function, listing the transactions that make up the selected period balance (excluding any opening, end balances that may be added to the function )

If when the button is pressed the screen is NOT displayed, then this function does allow the transactions to be viewed.

If the screen is displayed similar to the one below, then the journal entries, that make up the selected balance will be displayed. The columns can be resized, moved and adjusted as required, the position of

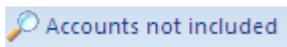
the columns will be saved, they can be reset using the reset button.

A list of the transactions can also be printed using the **Print Details** button, this will display the report to window, it then be printed or exported to PDF format.

Account Nr.	Source	Journal Date	Journal ID	Line nr.	Line Comments	Amount	Debits	Credits	Currency	Currer Amou
10600000	JE-000000001	01/03/2015	1	2		-122.00	-	122.00	ZAR	
10600000	RC-000000001	01/03/2015	7	1		50,000.00	50,000.00	-	ZAR	
10600000	JE-000000002	01/03/2015	9	1	SALARIES FOR 20090430	6,313.06	6,313.06	-	ZAR	
10600000	JE-000000003	01/03/2015	10	2		1,000.00	1,000.00	-	ZAR	
10600000	JE-000000003	01/03/2015	10	3		-0.50	-	0.50	ZAR	
10600000	RC-000000002	01/06/2015	11	1	Bank Collection payment: 000002/TST001	1,406.76	1,406.76	-	ZAR	
10600000	RC-000000003	01/06/2015	12	1	Bank Collection payment: 000004/TST002	139.08	139.08	-	ZAR	
10600000	JE-000000004	01/06/2015	13	3	Balancing Entries for Fees	460.00	460.00	-	ZAR	
10600000	RC-000000004	01/06/2015	14	1	Bank Collection payment: 000002/TST001	1,406.76	1,406.76	-	ZAR	
10600000	RC-000000005	01/06/2015	15	1	Bank Collection payment: 000004/TST002	139.08	139.08	-	ZAR	
10600000	JE-000000005	01/06/2015	16	3	Balancing Entries for Fees	460.00	460.00	-	ZAR	
10600000	RC-000000006	01/06/2015	17	1	Bank Collection payment: 000002/TST001	1,406.76	1,406.76	-	ZAR	
10600000	RC-000000007	01/06/2015	18	1	Bank Collection payment: 000004/TST002	139.08	139.08	-	ZAR	
10600000	JE-000000006	01/06/2015	19	3	Balancing Entries for Fees	460.00	460.00	-	ZAR	

Summary: Amount: 63,208.08 | Debits: 63,330.58 | Credits: 122.50

### 2.3.3 Accounts not included



This function will check the selected account range for possible missing accounts. Over time new accounts will be added to the GL within the company database, this function can be used to highlight possible accounts that need to be added to your layout.

When the screen is displayed, select the company you wish to validate against and the account type and account class range to include. The filtering allows you to limit the account search against a specific type of account range i.e. just the revenue range or the just the expense range. Once the selection has been made, press the **Start Search** button to commence the process. The grid will be populated with the possible missing accounts, these can then be copied and posted in to the required area of your spreadsheet.

**Accounts not included** ✕

This feature will check for possible missing accounts that do not appear in the selected range. You should ensure that you have selected the range containing your accounts.

Validate against Palladium Company:

Account Types:  to

Account Class:  to

Exclude inactive accounts:

Account	Details
13220002	Shareholders/Members Loans
13250000	Staff Loans / Payroll Advances
15200000	Inventory A
15300000	Inventory B
15400000	Inventory C
17050000	Air Conditioners @ Cost
17060000	Accum. Deprec - Airconditioners
17100000	Aircraft @ Cost
17110000	Accum. Deprec - Aircraft
17150000	Alarm System @ Cost
17160000	Accum. Deprec - Alarm System
17250000	Buildings @ Cost
17260000	Accum. Deprec - Buildings
17300000	Land @ Cost
17350000	Commercial Vehicles & Equip @ Cost
17360000	Accum. Deprec - Comm. Veh & Equip
17400000	Computer Equipment @ Cost

## 2.4 PDI Spirit

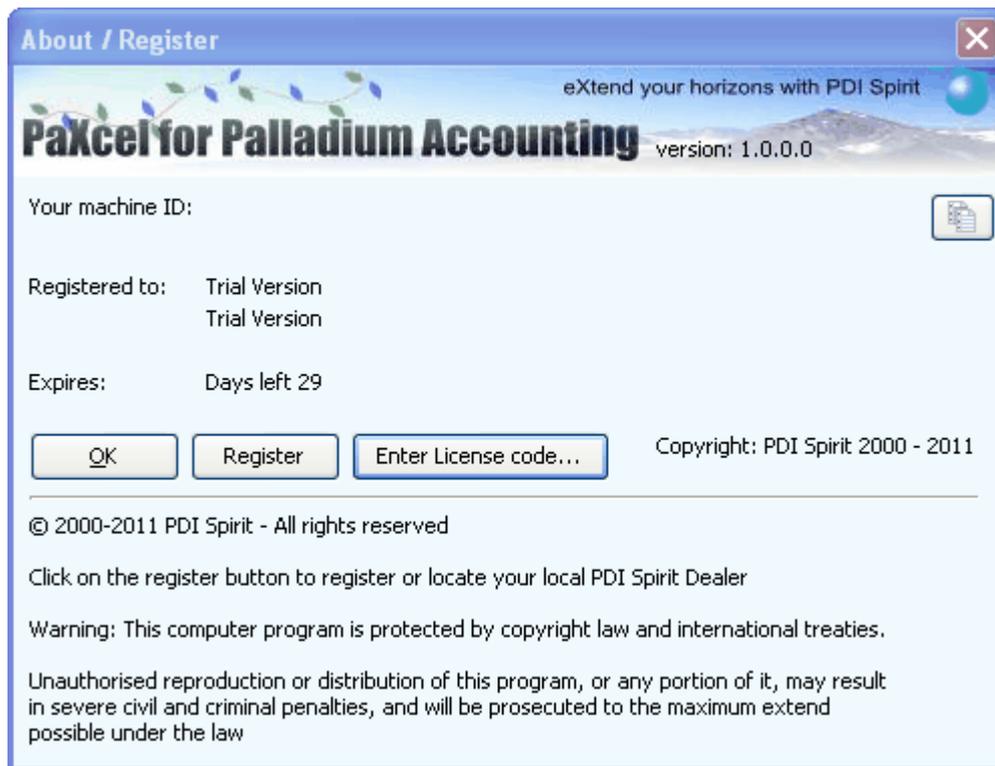
### 2.4.1 About / Register



This screen gives you access to the PaXcel for Palladium registration screen and information regarding your current install of PaXcel for Palladium.

If you are using an evaluation version then the screen will indicate the number of days left on your trial version.

If the user has a full license then the name of the company and individual that is registered to will be displayed along with the expiration date.



#### 2.4.1.1 Register

The [Register] button will display the PDI Spirit registration screen, allowing you to email or save the information and send to your local PDI Spirit dealer. This form should be completed and sent when a full purchase or renewal of license is required.

**PDI SPIRIT - REGISTRATION FORM**

Please complete the following details: All fields marked with a \* must be completed.

Company Name: *	<input type="text" value="PDI Spirit"/>	Vat/Tax nr: *	<input type="text" value="xxx"/>
Street:	<input type="text"/>	Contact Name:*	<input type="text" value="Simon"/>
Area:	<input type="text"/>	Telephone: *	<input type="text"/>
Town: *	<input type="text" value="Cape Town"/>	Fax No:	<input type="text"/>
County:	<input type="text"/>	Email: *	<input type="text" value="sales@pdispirit.co.za"/>
Postcode/zip code:	<input type="text"/>	Website:	<input type="text"/>
Country: *	<input type="text" value="South Africa"/>	Pastel Version:	<input type="text" value="N/A"/>

Application:	<input type="text" value="Palladium for PaXcel"/>	Version:	<input type="text" value="12.0.6565.5003/1.0.0.0"/>
Organisation:	<input type="text" value="PDI Spirit"/>	Machine ID:	<input type="text"/>
User:	<input type="text" value="Simon Blackwell"/>	Days Left:	<input type="text" value="29 Reason code 0"/>

Send Method

Via Outlook Email System

Save and Fax Form

Send using current internet connection

A valid email address must be supplied as your license file(s) will be emailed to you

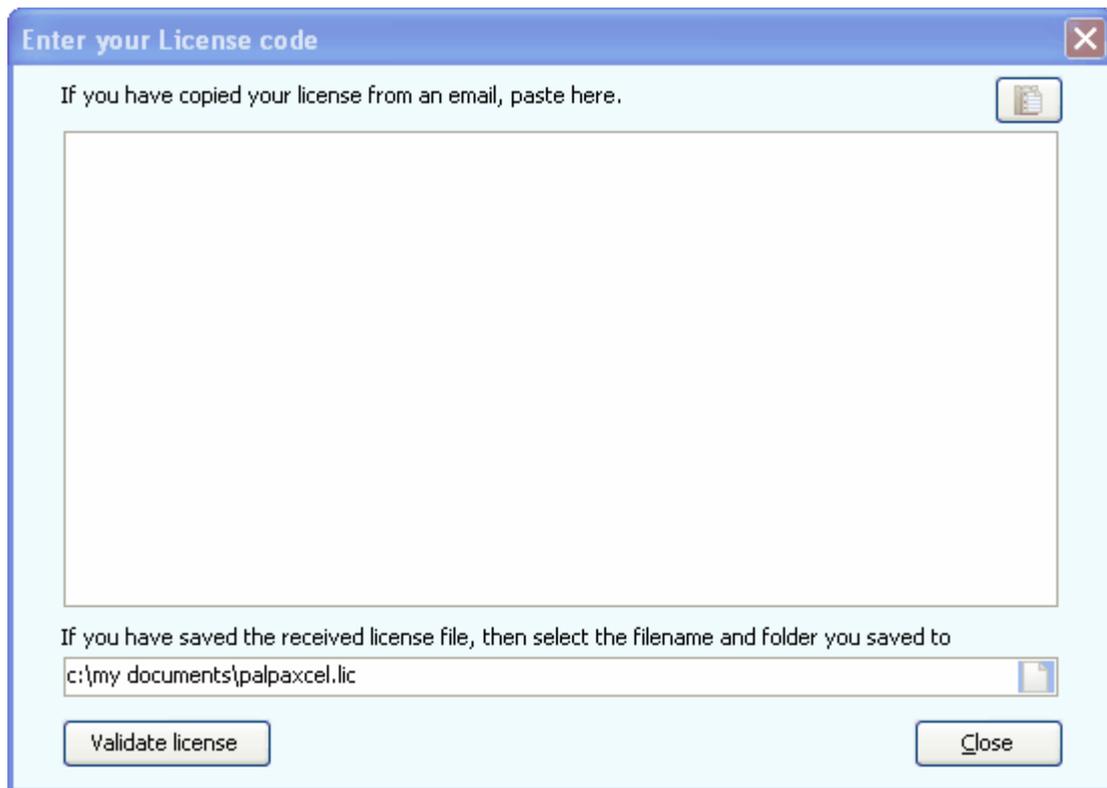
<http://www.pdispirit.com>

Complete the form including the fields highlighted with an asterisk (\*), then either send using your email MAPI client or save the form include in an email to your PDI Spirit dealer (use the **Registration Contact** button to get the email address ).

#### 2.4.1.2 Enter License Code

This screen will allow you to enter a new license code received from PDI Spirit. The user will have received a license code via email, the license code will be within the body text of the email, but also as an attachment. The user can save the file to a location they will be able to browse to, and then enter or browse the file name in the box below.

Alternatively, the user can copy the license code from the body of the email and then pastel in to the area below.



Once the the code has been added or the file name entered, press the **Validate License** button to complete the process. If a valid license has been emailed based on the information supplied your license will be validated and the application will be unlocked for the period purchased.

## 2.4.2 Help



This function will give you access to this PaXcel for Palladium help file

## 2.4.3 PDI Spirit Website



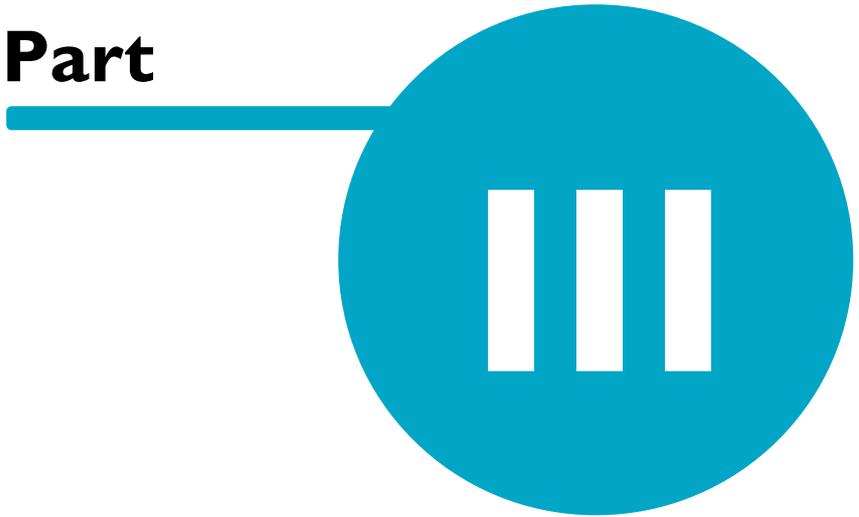
This will load your default web browser and navigate to the [PDI Spirit main website](#)

## 2.4.4 PDI Spirit SA Website



This will open your default web browser and navigate to the [PDI Spirit SA website](#)

**Part**



### 3 Formulas

PaXcel contains functions that can be used within standard Excel functions to produce the balance reports that you require. The following is the currently available PaXcel function

<a href="#">paActiveCompany</a>	Retrieves the currently active SQL database name for the Palladium company
<a href="#">paGLBalance</a>	Retrieves the GL Balance for the selected accounts and date range
<a href="#">paGLDetails</a>	Retrieves the GL Details from the selected GL account number
<a href="#">paGLAccType</a>	Retrieves the Account Type text for the selected account number
<a href="#">paGLGroupCode</a>	Retrieves the group text for the selected account number
<a href="#">paGLAcctClass</a>	Retrieves the account class text for the selected account number
<a href="#">paGLOpenBalance</a>	Retrieves the opening balance for the selected account number
<a href="#">paGLCurrentBalance</a>	Retrieves the current balance for the selected account number
<a href="#">paGLLYOpenBalance</a>	Retrieves the last year opening balance for the selected account number
<a href="#">paGLLYEndBalance</a>	Retrieves the last year ending balance for the selected account number
<a href="#">paGLBudget</a>	Retrieves the budget values for the selected period and account
<a href="#">paGLBudgetLY</a>	Retrieves the last year budget values for the selected period and account
<a href="#">paGLAcctClassBalance</a>	Retrieves the balance of the account class for the selected date range
<a href="#">paGLAccTypeBalance</a>	Retrieves the balance of the account type for the selected date range
<a href="#">paGLAcctClassValue</a>	Retrieves the balance for the selected value for the selected account class
<a href="#">paGLAcctTypeValue</a>	Retrieves the balance for the selected value for the selected account type
<a href="#">paCompanyName</a>	Retrieves the company name from the Palladium database

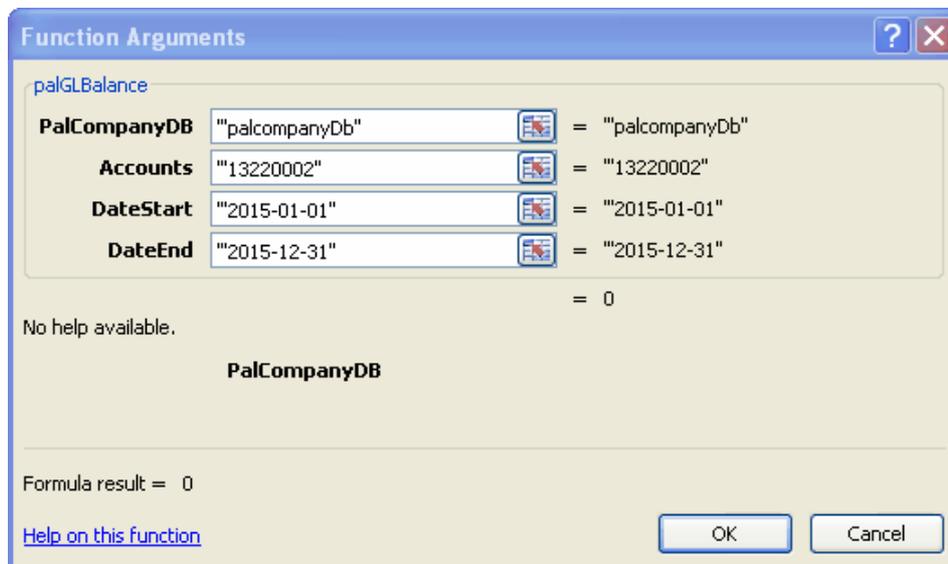
Some formulas are repeated to enable the retrieval of figures and account information from Last Years dataset and also historical data set.

### 3.1 Using Formulas

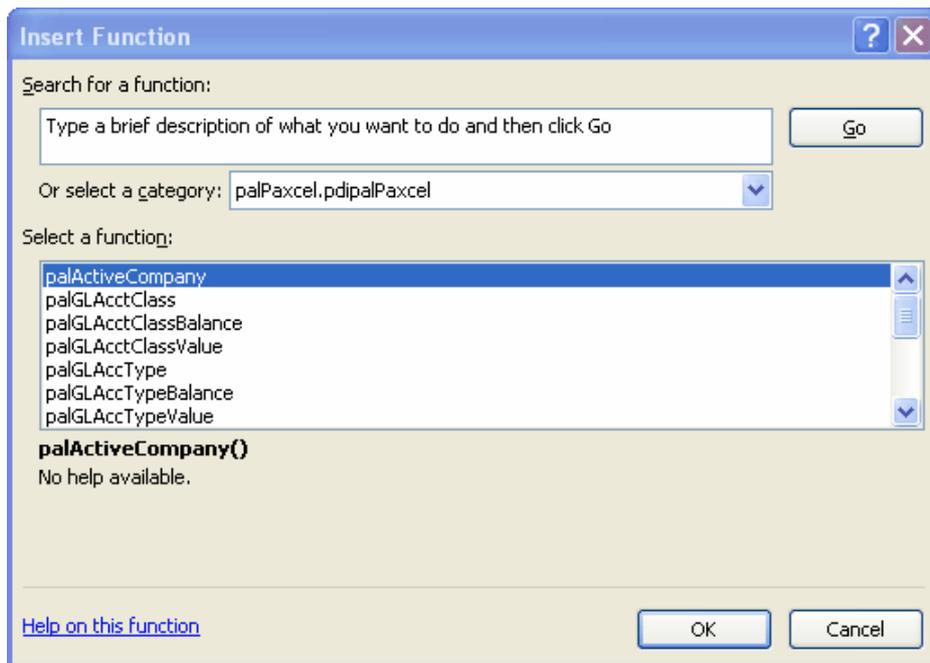
PaXcel formulas are the same as Excel's own formulas such as =SUM(), each of the formulas expects a different number of arguments; and as with Excel formulas each argument can be hard coded, or a reference to other cells within the spreadsheet or named ranges.

```
=palGLBalance("palcompanyDb","13220002","2015-01-01","2015-12-31")
```

The  button will also take you to the standard Excel Function Arguments screen to complete the required arguments, as shown below.



When the  button is pressed and no formula is listed you can select the from list of PaXcel functions by selecting the category `palPaxcel.pdipalPaxcel`. A list of functions associated within this category will be displayed.



As with all Excel functions, they can be mixed with other functions to retrieve the required result.

A spreadsheet can be as simple or as advanced as you need it to be, just by using your Excel skills.

## 3.2 Common formulas

### 3.2.1 palActiveCompany

`palActiveCompany()`

This function will retrieve the currently active SQL company database name (or the last company name used if not active currently set)

Example

`=palActiveCompany()`

### 3.2.2 palCompanyName

`palCompanyName( palCompanyDB )`

This function returns the company name of the selected Palladium company Database

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

### Examples

*palCompanyName( "palDBSampleEnterprise" )*

This will return the company of the Palladium Sample Enterprise company

*PalCompanyName( \$A\$1 )*

Returns the company name from the Palladium company database referenced in cell A1

*palCompanyName( CompanyName )*

Returns the company name from the Palladium company database referenced in the name range CompanyName

## 3.2.3 palDataLevel

*palDataLevel( palCompanyDB )*

This function will retrieve the Palladium data level for this company database, this will be either Individual, Business or Enterprise

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

### Examples

*palDatalevel( 'palDBSampleEnterprise' )*

this will return the Palladium data level in this case Enterprise

*palDatalevel( \$A\$1 )*

this will return the Palladium data level for the company entered in cell A1

*palDataLevel( CompanyName )*

this will return the Palladium data level for the company entered in the named range CompanyName

## 3.3 This year formulas

### 3.3.1 palGLDetails

*palGLDetails( palCompanyDB, Account, FieldToReturn )*

This function will return the field value from the selected account and company database.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

enter the account number (only a single account is valid)

**FieldToReturn**

enter the field name from the tblAccounts to return, this can be any one of the available fields within this table.

For example:

<b>strDesc</b>	- returns the account description
<b>intAccType</b>	- returns the account type as a number
<b>intGroupCode</b>	- returns the group code as a number
<b>intAccClass</b>	- returns the account class as a number
<b>bitInactive</b>	- returns the flag indicating that the account is inactive
<b>decOpenBalance</b>	- returns the open balance
<b>decBalance</b>	- returns the current balance
<b>decLYOpenBalance</b>	- returns Last years opening balance
<b>decLYEndBalance</b>	- returns Last years ending open balance
<b>bitBank</b>	- indicates if a bank account
<b>bitRecon</b>	- indicates reconciliation
<b>bitInventory</b>	- inventory control account
<b>bitBudget</b>	- budgets can be maintained
<b>bitused</b>	- used in current year
<b>bitUsedLY</b>	- used in last Year
<b>bitLinkRearnings-</b>	
<b>bitLinkCEarnings-</b>	
<b>bitLinkAP</b>	- Accounts payable control account
<b>bitLinkPurDisc</b>	- Purchase discount control
<b>bitLinkAR</b>	- Accounts receivable control account
<b>bitLinkSalesDisc</b>	- Sales Discount account
<b>bitLinkAssCosts</b>	- Asset Costs
<b>bitLinkAdjWriteoff</b>	- Write / adjustment account
<b>bitisLinkedAccount</b>	- is a linked account
<b>bitDefBank</b>	- default bank account
<b>bitLinkDeposit</b>	- linked to deposit
<b>bitLinkPrePay</b>	- linked to prepayment account
<b>bitlinkGRV</b>	- link to goods received
<b>bitLinkExc</b>	
<b>bitAllowCenters</b>	- Allow costing centers
<b>strField1</b>	- User Defined field 1
<b>strField2</b>	- User Defined field 2
<b>strField3</b>	- User Defined field 3
<b>strField4</b>	- User Defined field 4
<b>strField5</b>	- User Defined field 5
<b>strField6</b>	- User Defined field 6

<b>intChequeNumber</b>	- Next cheque number
<b>strCurrency</b>	- Account currency
<b>decOpenBalanceF</b>	- Opening balance in currency
<b>decBalanceF</b>	- Current balance in currency
<b>decLYOpenBalanceF</b>	- Last years opening balance in currency
<b>decLYEndBalanceF</b>	- Last years ending balance in currency

#### Example

**palGLDetails( 'palDBSampleEnterprise', '13220002', 'strDesc' )**  
returns the account description for the selected account number

**palGLDetails( \$A\$1, \$A\$2, 'strDesc')**  
returns the account description for the selected account number and company entered in cells A1 and A2

### 3.3.2 palGLGroupCode

**palGLGroupCode( palCompanyDB, Account )**

This function will return the group code text for the selected account number

**palCompanyDB**  
the SQL database name for the Palladium Accounts company to work on

**Account**  
the single GL account number to return

The returned text will be based on the Group Code assigned to the GL number and can be one of the following:-

Full Account (G)  
Sub Account (A)  
Sub Account Total (S)  
Summary Heading (H)  
Summary Total (T)

#### Examples

**palGLGroupCode( 'palDBSampleEnterprise', '13220002' )**  
returns the group code text narrative for the account 13220002 from the Palladium sample enterprise database

**palGLGroupCode( \$A\$1, \$A3 )**  
returns the group code text narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.3.3 palGLAcctClass

palGLAcctClass( palCompanyDB, Account )

This function will return the group code text for the selected account number

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

the single GL account number to return

The returned text will be based on the Account Class assigned to the GL number and can be one of the following:-

**Asset**

Asset Cash

Bank

Accounts Receivable

Allowance for Bad Debts

Inventory

Investments

Fixed Asset

Accum amort and Depreciation

Other Asset

**Liability**

Liability Cash

Credit Card

Accounts Payable

Other Payable

Sales Tax Payable

Payroll Tax Payable

Employee Deductions Payable

Income Tax Payable

Short Term Debt

Long Term Debt

**Equity**

Equity Cash

Owner Partner Contributions

Owner Partner Withdrawls

Share Capital

Dividends

Retained Earnings

Current Earnings

Revenue

Operating Revenue

Non Operating Revenue

Other Revenue

Gain  
Expense  
Cost of Goods Sold  
Operating Expense  
General and Admin Expense  
Amort and Depreciation Expense  
Bad Debt Expense  
Employee Benefit Expense  
Payroll Expense  
Interest Expense  
Income Tax Expense  
Non Operating Expense  
Loss

#### Examples

*palGLAcctClass( 'palDBSampleEnterprise', '13220002' )*

returns the account class text narrative for the account 13220002 from the Palladium sample enterprise database

*palGLAcctClass( \$A\$1, \$A3 )*

returns the account class text narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.3.4 palGLAccType

*palGLAccType( palCompanyDB, Account )*

This function will return the Palladium Account Type narrative for the selected account number

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

the single GL account number to return

The returned text will be based on the Account Type assigned to the GL number and can be one of the following:-

Assets  
Liability  
Equity  
Revenue  
Expense

#### Examples

*palGLAccType( 'palDBSampleEnterprise', '13220002' )*

returns the account type narrative for the account 13220002 from the Palladium sample enterprise database

*palGLAccType( \$A\$1, \$A3 )*

returns the account type narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.3.5 palGLBalance

*palGLBalance( palCompanyDB, Accounts, DateStart, DateEnd );*

This function will return the balance from the selected company database, for the accounts and date range entered.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

**DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLBalance( 'palDBSampleEnterPrise', '13220000', '2015-01-01', '2015-12-31' )*

Returns the balance for the account 13220000 for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company.

*palGLBalance( \$A\$1, \$A3, \$D\$1, \$E\$1 )*

Returns the balance for the account in the cell A3 for the date range entered in cells D1 and E1

*palGLBalance( CompanyDB, \$A3, DateStart, DateEnd )*

Returns the balance for the account in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.6 palGLOpenBalance

*palGLOpenBalance( palCompanyDB, Accounts )*

This function will return the opening balance total for the supplied accounts

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**Examples**

*palGLOpenBalance( 'palDBSampleEnterPrise', '13220000' )*

Returns the opening balance for the account 13220000 .

*palGLOpenBalance( \$A\$1, \$A3 )*

Returns the opening balance for the account in the cell A3

*palGLOpenBalance( CompanyDB, \$A3 )*

Returns the opening balance for the account in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.7 palGLCurrentBalance

**palGLCurrentBalance( palCompanyDB, Accounts )**

This function will return the current balance total for the supplied accounts

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**Examples**

*palGLCurrentBalance( 'palDBSampleEnterPrise', '13220000' )*

Returns the current balance for the account 13220000 .

*palGLCurrentBalance( \$A\$1, \$A3 )*

Returns the current balance for the account in the cell A3

*palGLCurrentBalance( CompanyDB, \$A3 )*

Returns the current balance for the account in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.8 palGLLYOpenBalance

**palGLLYOpenBalance( palCompanyDB, Accounts )**

This function will return the last year opening balance total for the supplied accounts

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

#### Examples

*palGLLYOpenBalance( 'palDBSampleEnterPrise', '13220000')*

Returns the last year opening balance for the account 13220000 .

*palGLLYOpenBalance( \$A\$1, \$A3 )*

Returns the last year opening balance for the account in the cell A3

*palGLLYOpenBalance( CompanyDB, \$A3 )*

Returns the last year opening balance for the account in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.9 palGLLYEndBalance

*palGLLYEndBalance( palCompanyDB, Accounts )*

This function will return the Last year ending balance total for the supplied accounts

#### palCompanyDB

the SQL database name for the Palladium Accounts company to work on

#### Accounts

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

#### Examples

*palGLLYEndBalance( 'palDBSampleEnterPrise', '13220000')*

Returns the last year ending balance for the account 13220000 .

*palGLLYEndBalance( \$A\$1, \$A3 )*

Returns the last year ending balance for the account in the cell A3

*palGLLYEndBalance( CompanyDB, \$A3 )*

Returns the last year ending balance for the account in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.10 palGLAcctClassBalance

*palGLAcctClassBalance( palCompanyDB, AccountClass, DateStart, DateEnd )*

This function will return the balance from the selected company database, for the account class and date range entered.

#### **palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

#### **AccountClass**

this should be valid account class number ranging from 0 to 45

#### **DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

#### **DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

#### **Examples**

*palGLAccountClassBalance( 'palDBSampleEnterPrise', 1, '2015-01-01', '2015-12-31' )*

Returns the balance for the account class 1 (Asset cash) for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company.

*palGLAccountClassBalance( \$A\$1, \$A3, \$D\$1, \$E\$1 )*

Returns the balance for the account class in the cell A3 for the date range entered in cells D1 and E1

*palGLAccountClassBalance( CompanyDB, \$A3, DateStart, DateEnd )*

Returns the balance for the account class in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.11 palGLAccTypeBalance

*palGLAccTypeBalance( palCompanyDB, AccountType, DateStart, DateEnd )*

This function will return the balance from the selected company database, for the account type and date range entered.

#### **palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

#### **AccountType**

this should be valid account type number ranging from 1 to 5

#### **DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

#### **DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

#### **Examples**

*palGLAccountTypeBalance( 'palDBSampleEnterprise', 4, '2015-01-01', '2015-12-31' )*

Returns the balance for the account type 4 (Revenue) for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company.

*palGLAccountTypeBalance( \$A\$1, \$A3, \$D\$1, \$E\$1 )*

Returns the balance for the account type in the cell A3 for the date range entered in cells D1 and E1

*palGLAccountTypeBalance( CompanyDB, \$A3, DateStart, DateEnd )*

Returns the balance for the account type in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.12 palGLAcctClassValue

*palGLAcctClassValue( palCompanyDB, AccountClass, ValueType )*

This function will return the selected value from the selected company database, for the account class entered.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountClass**

this should be valid account class number ranging from 0 to 45

**ValueType**

this is a predefined indicator representing the value that you wish to return

**OPENBALANCE** - return the opening balance for the account class entered

**BALANCE** - return the current balance for the account class entered

**LYOPENBALANCE** - return the last year opening balance for the account class entered

**LYBALANCEEND** - return the last year ending balance for the account class entered

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAcctClassValue( 'palDBSampleEnterPrise', 1, 'OpenBalance' )*

Returns the opening balance for the account class 1 (Asset cash) from the Palladium Sample Enterprise company.

*palGLAcctClassValue( \$A\$1, \$A3, \$D\$1 )*

Returns the balance type specified in D1 for the account class in the cell A3

*palGLAcctClassValue( CompanyDB, \$A3, BalanceType )*

Returns the balance type from the named ranged **BalanceType** for the account class in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.3.13 palGLAccTypeValue

*palGLAccTypeValue( palCompanyDB, AccountClass, ValueType )*

This function will return the selected value from the selected company database, for the account type entered.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountType**

this should be valid account type number ranging from 1 to 5

**ValueType**

this is a predefined indicator representing the value that you wish to return

**OPENBALANCE** - return the opening balance for the account class entered

**BALANCE** - return the current balance for the account class entered

**LYOPENBALANCE** - return the last year opening balance for the account class entered

**LYBALANCEEND** - return the last year ending balance for the account class entered

Once you have entered the formula or used the *fx* icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAccTypeClassValue( 'palDBSampleEnterPrise', 4, 'OpenBalance' )*

Returns the opening balance for the account type 4 (revenue) from the Palladium Sample Enterprise company.

*palGLAccTypeClassValue( \$A\$1, \$A3, \$D\$1 )*

Returns the balance type specified in D1 for the account type in the cell A3

*palGLAccTypeClassValue( CompanyDB, \$A3, BalanceType )*

Returns the balance type from the named ranged **BalanceType** for the account type in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

## 3.4 Last year formulas

### 3.4.1 palGLDetailsLY

**palGLDetailsLY( palCompanyDB, Account, FieldToReturn )**

This function will return the field information from the selected account and company database, for last year data

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

enter the account number (only a single account is valid)

**FieldToReturn**

enter the field name from the tblAccounts to return, this can be any one of the available fields within this table.

For example:

<b>strDesc</b>	- returns the account description
<b>intAccType</b>	- returns the account type as a number
<b>intGroupCode</b>	- returns the group code as a number
<b>intAccClass</b>	- returns the account class as a number
<b>bitInactive</b>	- returns the flag indicating that the account is inactive
<b>decOpenBalance</b>	- returns the open balance
<b>decBalance</b>	- returns the current balance
<b>decLYOpenBalance</b>	- returns Last years opening balance
<b>decLYEndBalance</b>	- returns Last years ending open balance
<b>bitBank</b>	- indicates if a bank account
<b>bitRecon</b>	- indicates reconciliation
<b>bitInventory</b>	- inventory control account
<b>bitBudget</b>	- budgets can be maintained
<b>bitused</b>	- used in current year
<b>bitUsedLY</b>	- used in last Year
<b>bitLinkRearnings-</b>	
<b>bitLinkCEarnings-</b>	
<b>bitLinkAP</b>	- Accounts payable control account
<b>bitLinkPurDisc</b>	- Purchase discount control

<b>bitLinkAR</b>	- Accounts receivable control account
<b>bitLinkSalesDisc</b>	- Sales Discount account
<b>bitLinkAssCosts</b>	- Asset Costs
<b>bitLinkAdjWriteoff</b>	- Write / adjustment account
<b>bitisLinkedAccount</b>	- is a linked account
<b>bitDefBank</b>	- default bank account
<b>bitLinkDeposit</b>	- linked to deposit
<b>bitLinkPrePay</b>	- linked to prepayment account
<b>bitlinkGRV</b>	- link to goods received
<b>bitLinkExc</b>	
<b>bitAllowCenters</b>	- Allow costing centers
<b>strField1</b>	- User Defined field 1
<b>strField2</b>	- User Defined field 2
<b>strField3</b>	- User Defined field 3
<b>strField4</b>	- User Defined field 4
<b>strField5</b>	- User Defined field 5
<b>strField6</b>	- User Defined field 6
<b>intChequeNumber</b>	- Next cheque number
<b>strCurrency</b>	- Account currency
<b>decOpenBalanceF</b>	- Opening balance in currency
<b>decBalanceF</b>	- Current balance in currency
<b>decLYOpenBalanceF</b>	- Last years opening balance in currency
<b>decLYEndBalanceF</b>	- Last years ending balance in currency

#### Example

**palGLDetailsLY( 'palDBSampleEnterprise', '13220002', 'strDesc' )**  
returns the account description for the selected account number

**palGLDetailsLY( \$A\$1, \$A\$2, 'strDesc')**  
returns the account description for the selected account number and company entered in cells A1 and A2

### 3.4.2 palGLAccTypeLY

**palGLAccTypeLY( palCompanyDB, Account )**

This function will return the Palladium Account Type narrative for the selected account number for last years data.

**palCompanyDB**  
the SQL database name for the Palladium Accounts company to work on

**Account**  
the single GL account number to return

The returned text will be based on the Account Type assigned to the GL number and can be one of

the following:-

Assets  
Liability  
Equity  
Revenue  
Expense

Examples

*palGLAccTypeLY( 'palDBSampleEnterprise', '13220002' )*

returns the account type narrative for the account 13220002 from the Palladium sample enterprise database

*palGLAccTypeLY( \$A\$1, \$A3 )*

returns the account type narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.4.3 palGLGroupCodeLY

*palGLGroupCodeLY( palCompanyDB, Account )*

This function will return the group code text for the selected account number from last years account records

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

the single GL account number to return

The returned text will be based on the Group Code assigned to the GL number and can be one of the following:-

Full Account (G)  
Sub Account (A)  
Sub Account Total (S)  
Summary Heading (H)  
Summary Total (T)

Examples

*palGLGroupCodeLY( 'palDBSampleEnterprise', '13220002' )*

returns the group code text narrative for the account 13220002 from the Palladium sample enterprise database

*palGLGroupCodeLY( \$A\$1, \$A3 )*

returns the group code text narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.4.4 palGLAcctClassLY

palGLAcctClassLY( palCompanyDB, Account )

This function will return the group code text for the selected account number for last Year

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

the single GL account number to return

The returned text will be based on the Account Class assigned to the GL number and can be one of the following:-

**Asset**

Asset Cash

Bank

Accounts Receivable

Allowance for Bad Debts

Inventory

Investments

Fixed Asset

Accum amort and Depreciation

Other Asset

**Liability**

Liability Cash

Credit Card

Accounts Payable

Other Payable

Sales Tax Payable

Payroll Tax Payable

Employee Deductions Payable

Income Tax Payable

Short Term Debt

Long Term Debt

**Equity**

Equity Cash

Owner Partner Contributions

Owner Partner Withdrawls

Share Capital

Dividends

Retained Earnings

Current Earnings

**Revenue**

Operating Revenue

Non Operating Revenue

Other Revenue  
Gain  
Expense  
Cost of Goods Sold  
Operating Expense  
General and Admin Expense  
Amort and Depreciation Expense  
Bad Debt Expense  
Employee Benefit Expense  
Payroll Expense  
Interest Expense  
Income Tax Expense  
Non Operating Expense  
Loss

#### Examples

*palGLAcctClassLY( 'palDBSampleEnterprise', '13220002' )*

returns the account class text narrative for the account 13220002 from the Palladium sample enterprise database

*palGLAcctClassLY( \$A\$1, \$A3 )*

returns the account class text narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.4.5 palGLBalanceLY

**palGLBalance( palCompanyDB, Accounts, DateStart, DateEnd );**

This function will return the balance from the selected company database, for the accounts and date range entered, for the last year balance.

The date range entered should be within last years fiscal year.

#### **palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

#### **Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

#### **DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

**DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLBalanceLY( 'palDBSampleEnterPrise', '13220000', '2015-01-01', '2015-12-31' )*

Returns the balance for the account 13220000 for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company.

*palGLBalanceLY( \$A\$1, \$A3, \$D\$1, \$E\$1 )*

Returns the balance for the account in the cell A3 for the date range entered in cells D1 and E1

*palGLBalanceLY( CompanyDB, \$A3, DateStart, DateEnd )*

Returns the balance for the account in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.4.6 palGLAcctClassBalanceLY

*palGLAcctClassBalanceLY( palCompanyDB, AccountClass, DateStart, DateEnd )*

This function will return the balance from the selected company database, for the account class and date range entered, for last year.

The date range entered should be within last years fiscal year.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountClass**

this should be valid account class number ranging from 0 to 45

**DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

**DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAccountClassBalanceLY( 'palDBSampleEnterprise', 1, '2015-01-01', '2015-12-31' )*

Returns the balance for the account class 1 (Asset cash) for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company.

*palGLAccountClassBalanceLY( \$A\$1, \$A3, \$D\$1, \$E\$1 )*

Returns the balance for the account class in the cell A3 for the date range entered in cells D1 and E1

*palGLAccountClassBalanceLY( CompanyDB, \$A3, DateStart, DateEnd )*

Returns the balance for the account class in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.4.7 palGLAccTypeBalanceLY

*palGLAccTypeBalanceLY( palCompanyDB, AccountType, DateStart, DateEnd )*

This function will return the balance for last year from the selected company database, for the account type and date range entered.

The date range entered should be within last years fiscal date range.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountType**

this should be valid account type number ranging from 1 to 5

**DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

**DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAccountTypeBalanceLY( 'palDBSampleEnterPrise', 4, '2015-01-01', '2015-12-31' )*

Returns the balance for the account type 4 (Revenue) for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company.

*palGLAccountTypeBalanceLY( \$A\$1, \$A3, \$D\$1, \$E\$1 )*

Returns the balance for the account type in the cell A3 for the date range entered in cells D1 and E1

*palGLAccountTypeBalanceLY( CompanyDB, \$A3, DateStart, DateEnd )*

Returns the balance for the account type in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

**3.4.8 palGLAccTypeValueLY**

*palGLAccTypeValueLY( palCompanyDB, AccountClass, ValueType )*

This function will return the selected value from the selected company database, for the account type entered and from the Last Year data.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountType**

this should be valid account type number ranging from 1 to 5

**ValueType**

this is a predefined indicator representing the value that you wish to return

**OPENBALANCE** - return the opening balance for the account class entered

**BALANCE** - return the current balance for the account class entered

**LYOPENBALANCE** - return the last year opening balance for the account class entered

**LYBALANCEEND** - return the last year ending balance for the account class entered

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAccTypeClassValueLY( 'palDBSampleEnterPrise', 4, 'OpenBalance' )*

Returns the opening balance for the account type 4 (revenue) from the Palladium Sample Enterprise company.

*palGLAccTypeClassValueLY( \$A\$1, \$A3, \$D\$1 )*

Returns the balance type specified in D1 for the account type in the cell A3

*palGLAccTypeClassValueLY( CompanyDB, \$A3, BalanceType )*

Returns the balance type from the named ranged **BalanceType** for the account type in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.4.9 palGLAcctClassValueLY

*palGLAcctClassValueLY( palCompanyDB, AccountClass, ValueType )*

This function will return the selected value from the selected company database, for the account class entered and from Last Year Data.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountClass**

this should be valid account class number ranging from 0 to 45

**ValueType**

this is a predefined indicator representing the value that you wish to return

**OPENBALANCE** - return the opening balance for the account class entered

**BALANCE** - return the current balance for the account class entered

**LYOPENBALANCE** - return the last year opening balance for the account class entered

**LYBALANCEEND** - return the last year ending balance for the account class entered

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAcctClassValueLY( 'palDBSampleEnterPrise', 1, 'OpenBalance' )*

Returns the opening balance for the account class 1 (Asset cash) from the Palladium Sample Enterprise company.

*palGLAcctClassValueLY( \$A\$1, \$A3, \$D\$1 )*

Returns the balance type specified in D1 for the account class in the cell A3

*palGLAcctClassValueLY( CompanyDB, \$A3, BalanceType )*

Returns the balance type from the named ranged **BalanceType** for the account class in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

**3.4.10 palGLOpenBalanceLY**

**palGLOpenBalanceLY( palCompanyDB, Accounts )**

This function will return the opening balance total for the supplied accounts from last year data.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

### Examples

*palGLOpenBalanceLY( 'palDBSampleEnterPrise', '13220000')*

Returns the opening balance for the account 13220000 .

*palGLOpenBalanceLY( \$A\$1, \$A3 )*

Returns the opening balance for the account in the cell A3

*palGLOpenBalanceLY( CompanyDB, \$A3 )*

Returns the opening balance for the account in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.4.1.1 palGLCurrentBalanceLY

*palGLCurrentBalanceLY( palCompanyDB, Accounts )*

This function will return the current balance total for the supplied accounts from last years data.

#### **palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

#### **Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

### Examples

*palGLCurrentBalanceLY( 'palDBSampleEnterPrise', '13220000')*

Returns the current balance for the account 13220000 .

*palGLCurrentBalanceLY( \$A\$1, \$A3 )*

Returns the current balance for the account in the cell A3

*palGLCurrentBalanceLY( CompanyDB, \$A3 )*

Returns the current balance for the account in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.4.12 **palGLPYOpenBalanceLY**

*palGLPYOpenBalanceLY*( palCompanyDB, Accounts )

This function will return the last year opening balance total for the supplied accounts from the previous years data.

#### **palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

#### **Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

#### **Examples**

*palGLPYOpenBalanceLY*( 'palDBSampleEnterPrise', '13220000'' )

Returns the last year opening balance for the account 13220000 .

*palGLPYOpenBalanceLY*( \$A\$1, \$A3 )

Returns the last year opening balance for the account in the cell A3

*palGLPYOpenBalanceLY*( CompanyDB, \$A3 )

Returns the last year opening balance for the account in the cell A3 from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.4.13 palGLPYEndBalanceLY

*palGLPYEndBalanceLY( palCompanyDB, Accounts )*

This function will return the Last year ending balance total for the supplied accounts from the previous year data

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**Examples**

*palGLPYEndBalanceLY( 'palDBSampleEnterPrise', '13220000' )*

Returns the last year ending balance for the account 13220000 .

*palGLPYEndBalanceLY( \$A\$1, \$A3 )*

Returns the last year ending balance for the account in the cell A3

*palGLPYEndBalanceLY( CompanyDB, \$A3 )*

Returns the last year ending balance for the account in the cell A3 from the company database name entered the CompanyDB.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

## 3.5 Historical Year Formulas

### 3.5.1 palGLDetailsHist

*palGLDetailsHist( palCompanyDB, Account, YearID, FieldToReturn )*

This function will return the field value from the selected account and company database based on the historical year entered

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

enter the account number (only a single account is valid)

**YearID**

enter the historical year to return the data from

**FieldToReturn**

enter the field name from the tblAccounts to return, this can be any one of the available fields within this table.

For example:

<b>strDesc</b>	- returns the account description
<b>intAccType</b>	- returns the account type as a number
<b>intGroupCode</b>	- returns the group code as a number
<b>intAccClass</b>	- returns the account class as a number
<b>bitInactive</b>	- returns the flag indicating that the account is inactive
<b>decOpenBalance</b>	- returns the open balance
<b>decBalance</b>	- returns the current balance
<b>decLYOpenBalance</b>	- returns Last years opening balance
<b>decLYEndBalance</b>	- returns Last years ending open balance
<b>bitBank</b>	- indicates if a bank account
<b>bitRecon</b>	- indicates reconciliation
<b>bitInventory</b>	- inventory control account
<b>bitBudget</b>	- budgets can be maintained
<b>bitused</b>	- used in current year
<b>bitUsedLY</b>	- used in last Year
<b>bitLinkRearnings-</b>	
<b>bitLinkCEarnings-</b>	
<b>bitLinkAP</b>	- Accounts payable control account
<b>bitLinkPurDisc</b>	- Purchase discount control
<b>bitLinkAR</b>	- Accounts receivable control account
<b>bitLinkSalesDisc</b>	- Sales Discount account
<b>bitLinkAssCosts</b>	- Asset Costs
<b>bitLinkAdjWriteoff</b>	- Write / adjustment account
<b>bitisLinkedAccount</b>	- is a linked account
<b>bitDefBank</b>	- default bank account
<b>bitLinkDeposit</b>	- linked to deposit
<b>bitLinkPrePay</b>	- linked to prepayment account
<b>bitlinkGRV</b>	- link to goods received
<b>bitLinkExc</b>	
<b>bitAllowCenters</b>	- Allow costing centers
<b>strField1</b>	- User Defined field 1
<b>strField2</b>	- User Defined field 2
<b>strField3</b>	- User Defined field 3
<b>strField4</b>	- User Defined field 4
<b>strField5</b>	- User Defined field 5
<b>strField6</b>	- User Defined field 6

<code>intChequeNumber</code>	- Next cheque number
<code>strCurrency</code>	- Account currency
<code>decOpenBalanceF</code>	- Opening balance in currency
<code>decBalanceF</code>	- Current balance in currency
<code>decLYOpenBalanceF</code>	- Last years opening balance in currency
<code>decLYEndBalanceF</code>	- Last years ending balance in currency

**Example**

`palGLDetailsHist( 'palDBSampleEnterprise', '13220002', '2012', 'strDesc' )`  
returns the account description for the selected account number

`palGLDetailsHist( $A$1, $A$2, '2012', 'strDesc')`  
returns the account description for the selected account number and company entered in cells A1 and A2

**3.5.2 palGLAccTypeHist**

`palGLAccTypeHist( palCompanyDB, Account, YearID )`

This function will return the Palladium Account Type narrative for the selected account number

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

the single GL account number to return

**YearID**

enter the historical year to return the data from

The returned text will be based on the Account Type assigned to the GL number and can be one of the following:-

**Assets**

**Liability**

**Equity**

**Revenue**

**Expense**

**Examples**

`palGLAccTypeHist( 'palDBSampleEnterprise', '13220002', '2012')`

returns the account type narrative for the account 13220002 from the Palladium sample enterprise database

`palGLAccTypeHist( $A$1, $A3, $B1 )`

returns the account type narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.5.3 palGLGroupCodeHist

**palGLGroupCode( palCompanyDB, Account, YearID )**

This function will return the group code text for the selected account number

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

the single GL account number to return

**YearID**

enter the historical year to return the data from

The returned text will be based on the Group Code assigned to the GL number and can be one of the following:-

Full Account (G)

Sub Account (A)

Sub Account Total (S)

Summary Heading (H)

Summary Total (T)

**Examples**

*palGLGroupCodeHist( 'palDBSampleEnterprise', '13220002', '2012' )*

returns the group code text narrative for the account 13220002 from the Palladium sample enterprise database

*palGLGroupCodeHist( \$A\$1, \$A3, \$B1 )*

returns the group code text narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.5.4 palGLAcctClassHist

**palGLAcctClassHist( palCompanyDB, Account, YearID )**

This function will return the group code text for the selected account number

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Account**

the single GL account number to return

**YearID**

enter the historical year to return the data from

The returned text will be based on the Account Class assigned to the GL number and can be one of the following:-

**Asset**

Asset Cash

Bank

Accounts Receivable

Allowance for Bad Debts

Inventory

Investments

Fixed Asset

Accum amort and Depreciation

Other Asset

**Liability**

Liability Cash

Credit Card

Accounts Payable

Other Payable

Sales Tax Payable

Payroll Tax Payable

Employee Deductions Payable

Income Tax Payable

Short Term Debt

Long Term Debt

**Equity**

Equity Cash

Owner Partner Contributions

Owner Partner Withdrawals

Share Capital

Dividends

Retained Earnings

Current Earnings

**Revenue**

Operating Revenue

Non Operating Revenue

Other Revenue

**Gain**

**Expense**

Cost of Goods Sold

Operating Expense

General and Admin Expense

Amort and Depreciation Expense  
 Bad Debt Expense  
 Employee Benefit Expense  
 Payroll Expense  
 Interest Expense  
 Income Tax Expense  
 Non Operating Expense  
 Loss

#### Examples

*palGLAcctClassHist( 'palDBSampleEnterprise', '13220002' , '2012')*

returns the account class text narrative for the account 13220002 from the Palladium sample enterprise database

*palGLAcctClassHist( \$A\$1, \$A3, \$B1 )*

returns the account class text narrative for the account enter in cell A3 from the Palladium Database enter in cell A1

### 3.5.5 palGLBalanceHist

**palGLBalance( palCompanyDB, Accounts, DateStart, DateEnd, YearID );**

This function will return the balance from the selected company database, for the accounts and date range entered.

#### palCompanyDB

the SQL database name for the Palladium Accounts company to work on

#### Accounts

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

#### DateStart

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

#### DateEnd

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

#### YearID

enter the historical year to return the data from

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance

will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

#### Examples

*palGLBalanceHist( 'palDBSampleEnterPrise', '13220000', '2015-01-01', '2015-12-31', '2012' )*

Returns the balance for the account 13220000 for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company, for the historical fiscal year of 2012.

*palGLBalanceHist( \$A\$1, \$A3, \$D\$1, \$E\$1, \$F\$1 )*

Returns the balance for the account in the cell A3 for the date range entered in cells D1 and E1 within the historical fiscal year entered in F1

*palGLBalanceHist( CompanyDB, \$A3, DateStart, DateEnd, YearID )*

Returns the balance for the account in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** for the historical year **YEARID** from the company database name entered the **CompanyDB**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.5.6 palGLAcctClassBalanceHist

*palGLAcctClassBalanceHist( palCompanyDB, AccountClass, DateStart, DateEnd, YearID )*

This function will return the balance from the selected company database, for the account class and date range entered.

#### **palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

#### **AccountClass**

this should be valid account class number ranging from 0 to 45

#### **DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

#### **DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

**YearID**

enter the historical year to return the data from

Once you have entered the formula or used the *fx* icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAccountClassBalanceHist( 'palDBSampleEnterPrise', 1, '2015-01-01', '2015-12-31' , '2012')*

Returns the balance for the account class 1 (Asset cash) for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company for the historical year data 2012.

*palGLAccountClassBalanceHist( \$A\$1, \$A3, \$D\$1, \$E\$1, \$F\$1 )*

Returns the balance for the account class in the cell A3 for the date range entered in cells D1 and E1 and the historical year entered in F1.

*palGLAccountClassBalanceHist( CompanyDB, \$A3, DateStart, DateEnd, YearID )*

Returns the balance for the account class in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**, for the historical year data entered in **YearID**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.5.7 palGLAccTypeBalanceHist

*palGLAccTypeBalanceHist( palCompanyDB, AccountType, DateStart, DateEnd , YearID)*

This function will return the balance from the selected company database, for the account type and date range entered.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountType**

this should be valid account type number ranging from 1 to 5

**DateStart**

Enter the start date for the period to return the value for, the date should be in a valid format for your system, or use the format **yyyy-mm-dd** i.e. 2015-12-01

**DateEnd**

Enter the ending date for the period to return the value for, as with the **DateStart** enter a valid date for your system or use the format **yyyy-mm-dd** i.e 2015-12-31

**YearID**

enter the historical year to return the data from

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAccountTypeBalanceHist( 'palDBSampleEnterPrise', 4, '2015-01-01', '2015-12-31', '2012')*

Returns the balance for the account type 4 (Revenue) for the date range 2015-01-01 to 2015-12-31 from the Palladium Sample Enterprise company, for the historical fiscal year 2012.

*palGLAccountTypeBalanceHist( \$A\$1, \$A3, \$D\$1, \$E\$1, \$F\$1 )*

Returns the balance for the account type in the cell A3 for the date range entered in cells D1 and E1 and the historical fiscal year entered in F1

*palGLAccountTypeBalanceHist( CompanyDB, \$A3, DateStart, DateEnd, YearID )*

Returns the balance for the account type in the cell A3 for the date range entered within the named ranges **DateStart** and **DateEnd** from the company database name entered the **CompanyDB**, within the historical fiscal year in **YearID**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

**3.5.8 palGLAccTypeValueHist**

*palGLAccTypeValueHist( palCompanyDB, AccountClass, ValueType, YearID )*

This function will return the selected value from the selected company database, for the account type entered and the historical year selected.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountType**

this should be valid account type number ranging from 1 to 5

**ValueType**

this is a predefined indicator representing the value that you wish to return

**OPENBALANCE** - return the opening balance for the account class entered

**BALANCE** - return the current balance for the account class entered

**LYOPENBALANCE** - return the last year opening balance for the account class entered

**LYBALANCEEND** - return the last year ending balance for the account class entered

**YearID**

enter the historical year to return the data from

Once you have entered the formula or used the *fx* icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAccTypeClassValueHist( 'palDBSampleEnterPrise', 4, 'OpenBalance' , '2012')*

Returns the opening balance for the account type 4 (revenue) from the Palladium Sample Enterprise company and for the historical year of 2012.

*palGLAccTypeClassValueHist( \$A\$1, \$A3, \$D\$1, \$F\$1 )*

Returns the balance type specified in D1 for the account type in the cell A3 and the historical year entered in cell F1

*palGLAccTypeClassValueHist( CompanyDB, \$A3, BalanceType , YearID)*

Returns the balance type from the named ranged **BalanceType** for the account type in the cell A3 from the company database name entered the **CompanyDB** and for the historical year entered in the named range **YearID**

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

**3.5.9 palGLAcctClassValueHist**

*palGLAcctClassValueHist( palCompanyDB, AccountClass, ValueType , YearID )*

This function will return the selected value from the selected company database, for the account class entered.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**AccountClass**

this should be valid account class number ranging from 0 to 45

**ValueType**

this is a predefined indicator representing the value that you wish to return

**OPENBALANCE** - return the opening balance for the account class entered

**BALANCE** - return the current balance for the account class entered

**LYOPENBALANCE** - return the last year opening balance for the account class entered

**LYBALANCEEND** - return the last year ending balance for the account class entered

**YearID**

enter the historical year to return the data from

Once you have entered the formula or used the **fx** icon within Excel to assist in the entry, the balance will be returned based on the selections made.

As these are standard type functions, you can use references to cells, named ranges or hard code the values

**Examples**

*palGLAcctClassValueHist( 'palDBSampleEnterPrise', 1, 'OpenBalance' , '2012')*

Returns the opening balance for the account class 1 (Asset cash) from the Palladium Sample Enterprise company for the historical year 2012.

*palGLAcctClassValueHist( \$A\$1, \$A3, \$D\$1, \$F\$1 )*

Returns the balance type specified in D1 for the account class in the cell A3 and the historical year entered in the cell F1.

*palGLAcctClassValueHist( CompanyDB, \$A3, BalanceType, YearID )*

Returns the balance type from the named ranged **BalanceType** for the account class in the cell A3 from the company database name entered the **CompanyDB** and for the historical year entered in **YearID**.

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.5.10 palGLOpenBalanceHist

*palGLOpenBalanceHist( palCompanyDB, Accounts, YearID )*

This function will return the opening balance total for the supplied accounts for the historical year

entered.

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**YearID**

enter the historical year to return the data from

**Examples**

*palGLOpenBalance( 'palDBSampleEnterPrise', '13220000', '2012' )*

Returns the opening balance for the account 13220000 for the historical fiscal year 2012.

*palGLOpenBalance( \$A\$1, \$A3 , \$B1)*

Returns the opening balance for the account in the cell A3 and the historical fiscal year entered in B1

*palGLOpenBalance( CompanyDB, \$A3, YearID )*

Returns the opening balance for the account in the cell A3 from the company database name entered the **CompanyDB** and for the fiscal year entered in the name range YearID

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.5.1.1 palGLCurrentBalanceHist

**palGLCurrentBalanceHist( palCompanyDB, Accounts, YearID )**

This function will return the current balance total for the supplied accounts for the historical fiscal year

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**YearID**

enter the historical year to return the data from

**Examples**

*palGLCurrentBalanceHist( 'palDBSampleEnterPrise', '13220000', '2012')*

Returns the current balance for the account 13220000 and the historical year 2012.

*palGLCurrentBalanceHist( \$A\$1, \$A3, \$B\$1 )*

Returns the current balance for the account in the cell A3 for the historical year entered in B1

*palGLCurrentBalanceHist( CompanyDB, \$A3, YearID )*

Returns the current balance for the account in the cell A3 from the company database name entered the **CompanyDB** for the historical year ID entered in the named range **YearID**

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.5.12 palGLLYOpenBalanceHist

*palGLLYOpenBalanceHist( palCompanyDB, Accounts, YearID )*

This function will return the last year opening balance total for the supplied accounts for the historical year entered

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**YearID**

enter the historical year to return the data from

**Examples**

*palGLLYOpenBalanceHist( 'palDBSampleEnterPrise', '13220000', '2012')*

Returns the last year opening balance for the account 13220000 for the historical fiscal year 2012.

*palGLLYOpenBalance( \$A\$1, \$A3, \$B1 )*

Returns the last year opening balance for the account in the cell A3 for the historical fiscal year in cell B1

*palGLLYOpenBalance( CompanyDB, \$A3 , YearID )*

Returns the last year opening balance for the account in the cell A3 from the company database name entered the **CompanyDB** for the historical fiscal year entered in the named range **YearID**

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.5.13 palGLLYEndBalanceHist

*palGLLYEndBalanceHist( palCompanyDB, Accounts, YearID )*

This function will return the Last year ending balance total for the supplied accounts

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**YearID**

enter the historical year to return the data from

**Examples**

*palGLLYEndBalanceHist( 'palDBSampleEnterPrise', '13220000' , '2012' )*

Returns the last year ending balance for the account 13220000 for the historical fiscal year 2012

*palGLLYEndBalance( \$A\$1, \$A3, \$B1 )*

Returns the last year ending balance for the account in the cell A3 and the historical year entered in B1.

*palGLLYEndBalance( CompanyDB, \$A3, YearID )*

Returns the last year ending balance for the account in the cell A3 from the company database name entered the **CompanyDB** for the historical fiscal year entered in the named range **YearID**

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

## 3.6 Budgets

### 3.6.1 palGLBudget

**palGLBudget( palCompanyDB, Accounts, PeriodTitle )**

This function will return the current year budgets for the selected accounts and period indicator

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**PeriodTitle**

this can be either **MONTH** or **YEAR TO DATE** followed by the period number, 1 thru 12

Month 1	Year to Date 1
Month 2	Year to Date 2
Month 3	Year to Date 3
Month 4	Year to Date 4
Month 5	Year to Date 5
Month 6	Year to Date 6
Month 7	Year to Date 7
Month 8	Year to Date 8
Month 9	Year to Date 9
Month 10	Year to Date 10
Month 11	Year to Date 11
Month 12	Year to Date 12

**Examples**

**palGLBudget( 'palDBSampleEnterprise', '13220002', 'Month 1' )**

This will return the budget value Month 1 for the selected account from the Palladium Sample company

**palGLBudget( \$A\$1, \$A3, 'Year To Date 5' )**

This will return the budget value for the year date up to period 5 for the account referenced in cell A3 and the company database indicated in cell A1

**palGLBudget(CompanyDB, \$A3, A1 )**

Returns the budget for the accounts entered in A3 and the period indicator in cell A1 from the company entered in the Excel named range **CompanyDB**

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

### 3.6.2 palGLBudgetLY

**palGLBudgetLY( palCompanyDB, Accounts, PeriodTitle )**

This function will return the last year budget set for the selected accounts and period indicator

**palCompanyDB**

the SQL database name for the Palladium Accounts company to work on

**Accounts**

this can be a single account (10200000) or a number of accounts separated with commas (10200000,10300000) or it can be a range requested (10200000..10300000).

NB: If using a range type of account (..) be mindful that each possible account will need to be checked and if the range is large, then it may take some time to return the required balance

**PeriodTitle**

this can be either **MONTH** or **YEAR TO DATE** followed by the period number, 1 thru 12

Month 1	Year to Date 1
Month 2	Year to Date 2
Month 3	Year to Date 3
Month 4	Year to Date 4
Month 5	Year to Date 5
Month 6	Year to Date 6
Month 7	Year to Date 7
Month 8	Year to Date 8
Month 9	Year to Date 9
Month 10	Year to Date 10
Month 11	Year to Date 11

Month 12      Year to Date 12

**Examples**

*palGLBudgetLY( 'palDBSampleEnterprise', '13220002', 'Month 1' )*

This will return the budget value Month 1 for the selected account from the Palladium Sample company

*palGLBudgetLY( \$A\$1, \$A3, 'Year To Date 5' )*

This will return the budget value for the year date up to period 5 for the account referenced in cell A3 and the company database indicated in cell A1

*palGLBudgetLY(CompanyDB, \$A3, A1 )*

Returns the budget for the accounts entered in A3 and the period indicator in cell A1 from the company entered in the Excel named range **CompanyDB**

It is recommended to use the cell referencing method, because it enables you to change date ranges, accounts and even companies quickly.

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